

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	2052,1	49,8	1	67,56311662	85,563831	81,758825	-47,24693	0,145
0,2901	2047,5	54,4	4	73,58671115	95,343436	74,979221	-54,02654	0,2901
0,4351	2015,1	86,8	4	77,10753824	98,922421	71,400235	-57,60552	0,4351
0,5802	1959,6	142,3	3	79,60731106	100,3129	69,009759	-59,996	0,5802
0,7252	1908,6	193,3	3	81,54491248	101,57962	67,743037	-61,26272	0,7252
0,8703	1869,6	200	3	83,12913624	103,75137	65,57129	-63,43447	0,8703
1,0153	1838,4	146,05714	3	84,4676443	107,64006	61,682597	-67,32316	1,0153
1,1604	1822,2	178,9	3	85,62791098	108,16772	61,154936	-67,85082	1,1604
1,3054	1792	195,275	3,5	86,65062874	109,15473	60,667922	-68,33783	1,3054
1,4505	1737	200	3	87,56611124	110,36873	58,95393	-70,05183	1,4505
1,5955	1689,1	200	3	88,39369274	111,60299	57,719664	-71,28609	1,5955
1,7406	1653,3	200	3	89,14973616	112,73057	56,592091	-72,41367	1,7406
1,8856	1614,3	200	3	89,84474796	113,76711	55,555542	-73,45021	1,8856
2,0307	1566,4	200	3	90,48867195	114,72747	54,595186	-74,41057	2,0307
2,1757	1505,9	200	3	91,08773681	115,62092	53,701733	-75,30402	2,1757
2,3208	1473,9	200	3	91,64851089	116,45727	52,865387	-76,14037	2,3208
2,4658	1485,6	200	3	92,17491354	117,24235	52,080304	-76,92545	2,4658
2,6109	1502,3	200	3,5	92,67156134	117,98306	51,839597	-77,16616	2,6109
2,7559	1457,1	200	3,5	93,14102567	118,68323	51,139432	-77,86632	2,7559
2,9009	1389,9	200	3	93,58641173	119,34748	49,975177	-79,03058	2,9009
3,046	1351,8	200	3	94,01035455	119,97975	49,342904	-79,66285	3,046
3,191	1316	200	3	94,41429266	120,58219	48,740465	-80,26529	3,191
3,3361	1289,8	200	3	94,80053778	121,15824	48,164414	-80,84134	3,3361
3,4811	1299,7	200	3,5	95,17008656	121,70939	48,113265	-80,89249	3,4811
3,6262	1340,1	200	3,5	95,52479164	122,2384	47,584253	-81,4215	3,6262
3,7712	1378,3	200	4	95,86534788	122,74631	47,576343	-81,42941	3,7712

3,9163	1409,4	200	4	96,19327563	123,23539	47,087267	-81,91849	3,9163
4,0613	1434,8	200	4,5	96,509058	123,70635	47,116306	-81,88945	4,0613
4,2064	1433,8	200	4,5	96,81396795	124,1611	46,661559	-82,3442	4,2064
4,3514	1366,4	200	4	97,10833672	124,60012	45,722534	-83,28322	4,3514
4,4965	1285,1	200	4	97,39324853	125,02504	45,297613	-83,70814	4,4965
4,6415	1211,4	200	4	97,66892367	125,43619	44,886467	-84,11929	4,6415
4,7866	1220,9	200	4	97,9362993	125,83496	44,4877	-84,51806	4,7866
4,9316	1273,8	200	4	98,19551345	126,22155	44,101105	-84,90465	4,9316
5,0767	1330,5	200	4,5	98,44738658	126,5972	44,225458	-84,7803	5,0767
5,2217	1388,8	200	5	98,69199491	126,96201	44,360646	-84,64511	5,2217
5,3668	1408,8	200	5	98,93006479	127,31707	44,005585	-85,00017	5,3668
5,5118	1398	200	5	99,16162558	127,66242	43,660233	-85,34552	5,5118
5,6568	1416	200	5	99,38717306	127,99881	43,323848	-85,68191	5,6568
5,8019	1408,9	200	5	99,60716136	128,3269	42,995755	-86,01	5,8019
5,9469	1353,8	200	5	99,82156929	128,64667	42,675984	-86,32977	5,9469
6,092	1294,7	200	5	100,0309545	128,95895	42,363705	-86,64205	6,092
6,237	1232,7	200	5	100,2352715	129,26367	42,058984	-86,94677	6,237
6,3821	1181,6	200	5	100,4350287	129,56159	41,761063	-87,24469	6,3821
6,5271	1153,5	200	5	100,6301619	129,85262	41,470039	-87,53572	6,5271
6,6722	1079,6	200	4,5	100,8211377	130,13744	40,685215	-88,32054	6,6722
6,8172	1008,8	200	4,5	101,0078773	130,41595	40,406709	-88,59905	6,8172
6,9623	1028,9	200	4,5	101,1908112	130,68878	40,133879	-88,87188	6,9623
7,1073	1059,1	200	5	101,3698495	130,9558	40,366859	-88,6389	7,1073
7,2524	1003,1	200	4,5	101,5453916	131,2176	39,605054	-89,4007	7,2524
7,3974	948,4	200	4,5	101,7173386	131,47405	39,34861	-89,65715	7,3974
7,5425	938,9	200	4,5	101,8860629	131,72568	39,096972	-89,90878	7,5425
7,6875	899,1	200	4,5	102,0514591	131,97236	38,850298	-90,15546	7,6875
7,8326	896,9	200	4,5	102,2138755	132,21459	38,608068	-90,39769	7,8326
7,9776	905,5	200	4,5	102,3732017	132,45221	38,370447	-90,63531	7,9776
8,1226	905,9	200	5	102,5296579	132,68555	38,637107	-90,36865	8,1226
8,2677	933,5	200	5	102,6834508	132,91492	38,407738	-90,59802	8,2677
8,4127	956,5	200	5	102,8344646	133,14014	38,182514	-90,82324	8,4127
8,5578	957	200	5	102,9829992	133,36167	37,960988	-91,04477	8,5578
8,7028	922,9	200	5	103,1289366	133,57932	37,743335	-91,26242	8,7028
8,8479	888,8	200	5	103,2725607	133,79352	37,529132	-91,47662	8,8479
8,9929	867,2	200	5	103,4137519	134,0041	37,318558	-91,6872	8,9929
9,138	841,7	200	5	103,5527796	134,21145	37,11121	-91,89455	9,138
9,283	816,5	200	5	103,6895236	134,41539	36,907268	-92,09849	9,283
9,4281	848,4	200	5	103,8242402	134,61631	36,70635	-92,29941	9,4281
9,5731	858,7	200	5	103,9568085	134,81402	36,508636	-92,49712	9,5731
9,7182	850,1	200	5	104,0874732	135,0089	36,313761	-92,692	9,7182
9,8632	870,4	200	5	104,2161134	135,20075	36,121905	-92,88385	9,8632
10,0083	868,2	200	5	104,3429629	135,38994	35,932721	-93,07304	10,0083
10,1533	860,6	200	5	104,4679009	135,57627	35,746386	-93,25937	10,1533
10,2984	816,5	200	5	104,5911517	135,76009	35,562569	-93,44319	10,2984
10,4434	761,4	200	5	104,7125948	135,94121	35,381447	-93,62431	10,4434
10,5885	745,7	200	5	104,8324454	136,11996	35,2027	-93,80306	10,5885
10,7335	734,5	200	5	104,9505838	136,29615	35,026507	-93,97925	10,7335

10,8785	705,8	200	5	105,0671369	136,46998	34,852678	-94,15308	10,8785
11,0236	676,8	200	5	105,1822255	136,64162	34,681034	-94,32472	11,0236
11,1686	648,4	200	5	105,2957313	136,81091	34,51175	-94,49401	11,1686
11,3137	620,8	200	5	105,4078497	136,97812	34,344535	-94,66122	11,3137
11,4587	605,6	200	5	105,5184636	137,14309	34,179564	-94,82619	11,4587
11,6038	589	200	5	105,6277613	137,3061	34,016556	-94,9892	11,6038
11,7488	565,2	200	5	105,7356268	137,46697	33,855684	-95,15007	11,7488
11,8939	559,7	200	5	105,8422422	137,62598	33,696676	-95,30908	11,8939
12,0389	564,4	200	5	105,9474927	137,78295	33,539704	-95,46605	12,0389
12,184	598,2	200	5	106,0515544	137,93815	33,384505	-95,62125	12,184
12,329	632,5	200	5	106,1543136	138,09141	33,231249	-95,77451	12,329
12,4741	626,4	200	5	106,255941	138,24298	33,079681	-95,92608	12,4741
12,6191	612,7	200	5	106,3563242	138,39269	32,929968	-96,07579	12,6191
12,7642	623,9	200	5	106,4556286	138,54079	32,781864	-96,22389	12,7642
12,9092	652,2	200	5	106,5537432	138,68712	32,635535	-96,37022	12,9092
13,0543	673,8	200	5	106,6508284	138,83192	32,490741	-96,51502	13,0543
13,1993	670,7	200	5	106,7467746	138,97501	32,347645	-96,65811	13,1993
13,3444	665	200	5	106,8417376	139,11664	32,206016	-96,79974	13,3444
13,4894	672,6	200	5	106,9356092	139,25664	32,066015	-96,93974	13,4894
13,6344	705,8	200	5	107,0284772	139,39515	31,92751	-97,07825	13,6344
13,7795	746,6	200	5	107,1204258	139,53228	31,790377	-97,21538	13,7795
13,9245	769,7	200	5	107,2113488	139,66788	31,654773	-97,35098	13,9245
14,0696	773,4	200	5	107,3013916	139,80217	31,520482	-97,48527	14,0696
14,2146	773,7	200	5	107,3904494	139,935	31,38766	-97,6181	14,2146
14,3597	776,7	200	5	107,4786639	140,06656	31,256096	-97,74966	14,3597
14,5047	790	200	5	107,5659316	140,19671	31,125944	-97,87981	14,5047
14,6498	770,7	200	5	107,6523905	140,32566	30,996998	-98,00876	14,6498
14,7948	760,2	200	5	107,7379385	140,45325	30,869411	-98,13635	14,7948
14,9399	766,2	200	5	107,8227104	140,57968	30,742981	-98,26278	14,9399
15,0849	741,4	200	5	107,9066053	140,7048	30,617859	-98,3879	15,0849
15,23	733,1	200	5	107,9897546	140,82881	30,493849	-98,51191	15,23
15,375	697	200	5	108,0720591	140,95156	30,371099	-98,63466	15,375
15,5201	652,6	200	5	108,1536469	141,07324	30,249418	-98,75634	15,5201
15,6651	639,3	200	5	108,23442	141,1937	30,128952	-98,8768	15,6651
15,8102	616,4	200	5	108,3145038	141,31314	30,009514	-98,99624	15,8102
15,9552	612,3	200	5	108,3938016	141,43141	29,891248	-99,11451	15,9552
16,1003	620,8	200	5	108,4724359	141,54868	29,773972	-99,23178	16,1003
16,2453	629,2	200	5	108,5503113	141,66483	29,657828	-99,34793	16,2453
16,3903	649	200	5	108,6274946	141,77994	29,542716	-99,46304	16,3903
16,5354	675,6	200	5	108,7040507	141,89412	29,428539	-99,57722	16,5354
16,6804	706,9	200	5	108,7798858	142,00722	29,315437	-99,69032	16,6804
16,8255	719,2	200	5	108,8551162	142,11942	29,203238	-99,80252	16,8255
16,9705	715,4	200	5	108,9296493	142,23058	29,092078	-99,91368	16,9705
17,1156	725,3	200	5	109,0035991	142,34087	28,981789	-100,024	17,1156
17,2606	736,7	200	5	109,0768743	142,45015	28,872505	-100,1333	17,2606
17,4057	750,7	200	5	109,1495865	142,5586	28,764061	-100,2417	17,4057
17,5507	763,8	200	5	109,2216454	142,66607	28,656592	-100,3492	17,5507
17,6958	775,8	200	5	109,2931606	142,77272	28,549933	-100,4558	17,6958

17,8408	791,7	200	5	109,3640431	142,87844	28,444218	-100,5615	17,8408
17,9859	816,5	200	5	109,4344001	142,98337	28,339287	-100,6665	17,9859
18,1309	847,7	200	5	109,5041438	143,08739	28,23527	-100,7705	18,1309
18,276	875,5	200	5	109,5733796	143,19065	28,132011	-100,8737	18,276
18,421	903,6	200	5	109,6420206	143,29302	28,029639	-100,9761	18,421
18,5661	925,5	200	5	109,7101703	143,39466	27,927999	-101,0778	18,5661
18,7111	949,3	200	5	109,777743	143,49544	27,827221	-101,1785	18,7111
18,8562	995,4	200	5	109,8448401	143,59551	27,727151	-101,2786	18,8562
19,0012	1046,9	200	5	109,9113772	143,69474	27,627917	-101,3778	19,0012
19,1462	1062,1	200	5	109,9774084	143,79322	27,529437	-101,4763	19,1462
19,2913	1064,9	200	5	110,0429865	143,89102	27,431633	-101,5741	19,2913
19,4363	1088,9	200	5	110,1080284	143,98803	27,334629	-101,6711	19,4363
19,5814	1116,3	200	5	110,1726314	144,08438	27,238279	-101,7675	19,5814
19,7264	1133,3	200	5	110,2367133	144,17995	27,142706	-101,8631	19,7264
19,8715	1151,1	200	5	110,3003696	144,27489	27,047769	-101,958	19,8715
20,0165	1170,1	200	5	110,3635194	144,36907	26,953586	-102,0522	20,0165
20,1616	1177,4	200	5	110,4262565	144,46264	26,860019	-102,1457	20,1616
20,3066	1178,7	200	5	110,4885009	144,55547	26,767187	-102,2386	20,3066
20,4517	1186,1	200	5	110,5503448	144,6477	26,674952	-102,3308	20,4517
20,5967	1161,6	200	5	110,6117094	144,73922	26,583432	-102,4223	20,5967
20,7418	1113,5	200	5	110,6726854	144,83016	26,492492	-102,5133	20,7418
20,8868	1041,2	200	5	110,7331947	144,92041	26,402248	-102,6035	20,8868
21,0319	977,6	200	5	110,7933267	145,01009	26,312566	-102,6932	21,0319
21,1769	902,4	200	5	110,8530043	145,09909	26,223562	-102,7822	21,1769
21,322	834	200	5	110,9123154	145,18755	26,135105	-102,8707	21,322
21,467	765	200	5	110,9711837	145,27535	26,047308	-102,9584	21,467
21,612	701,1	200	5	111,0296558	145,36255	25,960102	-103,0457	21,612
21,7571	660,3	200	5	111,0877767	145,44924	25,87342	-103,1323	21,7571
21,9021	656,5	200	5	111,1454717	145,53528	25,787373	-103,2184	21,9021
22,0472	688,1	200	5	111,2028254	145,62082	25,701835	-103,3039	22,0472
22,1922	728,9	200	5	111,2597637	145,70574	25,616916	-103,3888	22,1922
22,3373	764,6	200	5	111,3163701	145,79016	25,532493	-103,4733	22,3373
22,4823	779,7	200	5	111,3725713	145,87398	25,448673	-103,5571	22,4823
22,6274	790,9	200	5	111,4284497	145,95732	25,365336	-103,6404	22,6274
22,7724	830,8	200	5	111,4839326	146,04007	25,282588	-103,7232	22,7724
22,9175	855,4	200	5	111,5391014	146,12235	25,200308	-103,8054	22,9175
23,0625	879,1	200	5	111,5938842	146,20405	25,118604	-103,8872	23,0625
23,2076	915,1	200	5	111,6483612	146,2853	25,037357	-103,9684	23,2076
23,3526	950,8	200	5	111,7024614	146,36599	24,956671	-104,0491	23,3526
23,4977	993,1	200	5	111,7562637	146,44623	24,87643	-104,1293	23,4977
23,6427	1032,6	200	5	111,809698	146,52592	24,796737	-104,209	23,6427
23,7878	1024,5	200	5	111,8628421	146,60518	24,717477	-104,2883	23,7878
23,9328	1010,5	200	5	111,9156268	146,6839	24,638754	-104,367	23,9328
24,0779	1026,8	200	5	111,9681287	146,76221	24,560452	-104,4453	24,0779
24,2229	1020,5	200	5	112,0202793	146,83998	24,482673	-104,5231	24,2229
24,3679	984,1	200	5	112,0721186	146,9173	24,40536	-104,6004	24,3679
24,513	961,1	200	5	112,1236859	146,99421	24,328452	-104,6773	24,513
24,658	953,9	200	5	112,1749135	147,07061	24,25205	-104,7537	24,658

24,8031	915,3	200	5	112,2258759	147,14661	24,176044	-104,8297	24,8031
24,9481	873,3	200	5	112,2765061	147,22212	24,100534	-104,9052	24,9481
25,0932	837,9	200	5	112,3268775	147,29725	24,025409	-104,9803	25,0932
25,2382	843,3	200	5	112,3769241	147,37189	23,950769	-105,055	25,2382
25,3833	901,9	200	5	112,4267182	147,44615	23,876505	-105,1293	25,3833
25,5283	966,6	200	5	112,4761945	147,51994	23,802716	-105,203	25,5283
25,6734	991,7	200	5	112,5254243	147,59336	23,729294	-105,2765	25,6734
25,8184	976,2	200	5	112,5743431	147,66632	23,656336	-105,3494	25,8184
25,9635	931,2	200	5	112,6230213	147,73892	23,583736	-105,422	25,9635
26,1085	914,6	200	5	112,671395	147,81107	23,511591	-105,4942	26,1085
26,2536	941,4	200	5	112,7195339	147,88286	23,439796	-105,566	26,2536
26,3986	914,8	200	5	112,7673745	147,95421	23,368446	-105,6373	26,3986
26,5437	931,3	200	5	112,8149858	148,02522	23,297438	-105,7083	26,5437
26,6887	1005,7	200	5	112,862305	148,09579	23,226866	-105,7789	26,6887
26,8338	1096,9	200	5	112,9094001	148,16603	23,156627	-105,8491	26,8338
26,9788	1155,7	200	5	112,9562091	148,23584	23,086816	-105,9189	26,9788
27,1238	1201,1	200	5	113,0027672	148,30528	23,017378	-105,9884	27,1238
27,2689	1233,6	200	5	113,049109	148,37439	22,948264	-106,0575	27,2689
27,4139	1241,1	200	5	113,0951731	148,44309	22,879563	-106,1262	27,4139
27,559	1239,9	200	5	113,1410257	148,51148	22,811178	-106,1946	27,559
27,704	1244,6	200	5	113,1866061	148,57946	22,743199	-106,2626	27,704
27,8491	1251,3	200	5	113,2319799	148,64713	22,675528	-106,3302	27,8491
27,9941	1257,5	200	5	113,2770868	148,7144	22,608255	-106,3975	27,9941
28,1392	1257	200	5	113,3219915	148,78137	22,541283	-106,4645	28,1392
28,2842	1271,9	200	5	113,3666346	148,84795	22,474702	-106,5311	28,2842
28,4293	1310,7	200	5	113,4110799	148,91424	22,408416	-106,5973	28,4293
28,5743	1339,7	200	5	113,4552686	148,98014	22,342512	-106,6632	28,5743
28,7194	1325,6	200	5	113,4992638	149,04576	22,276897	-106,7289	28,7194
28,8644	1313,4	200	5	113,5430073	149,111	22,211658	-106,7941	28,8644
29,0095	1296	200	5	113,5865614	149,17596	22,1467	-106,8591	29,0095

Perfil Topográfico Estación Avila-5 270°



