

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
0,1438	2012,4	89,5	-6	67,49093429	83,327931	76,994726	-52,01103	0,1438
0,2876	1985,1	116,8	0	73,51153421	91,807676	74,51498	-54,49078	0,2876
0,4314	2005,9	96	3,5	77,03335939	98,302971	71,519686	-57,48607	0,4314
0,5752	1845,2	200	-1	79,53213412	98,386752	66,935905	-62,06985	0,5752
0,719	1764,2	200	-2	81,47033438	101,27741	63,045249	-65,96051	0,719
0,8628	1687,4	200	-2	83,0539593	103,63925	60,68341	-68,32235	0,8628
1,0066	1605,2	200	-2	84,39289509	105,63615	58,686504	-70,31925	1,0066
1,1504	1545,6	200	-2	85,55273403	107,36595	56,956706	-72,04905	1,1504
1,2942	1501,2	200	-2	86,57578448	108,89174	55,430916	-73,57484	1,2942
1,438	1435,2	200	-2	87,49093429	110,25661	54,06605	-74,93971	1,438
1,5818	1412,9	200	-1	88,318788	111,49128	53,831378	-75,17438	1,5818
1,7256	1398,7	200	0	89,07455921	112,61845	53,704211	-75,30155	1,7256
1,8694	1371,2	200	0	89,76980134	113,65534	52,667318	-76,33844	1,8694
2,0132	1380,1	200	1	90,41349501	114,61535	52,707305	-76,29845	2,0132
2,157	1389,5	200	1,5	91,01275947	115,5091	52,313555	-76,6922	2,157
2,3008	1357,6	200	1,5	91,57333395	116,34515	51,477507	-77,52825	2,3008
2,4446	1324,9	200	1,5	92,09991272	117,1305	50,692161	-78,3136	2,4446
2,5884	1318,9	200	1,5	92,5963844	117,87094	49,951717	-79,05404	2,5884
2,7322	1325,5	200	2,5	93,06600631	118,57134	50,251316	-78,75444	2,7322
2,876	1358,7	200	3	93,51153421	119,23581	50,086851	-78,91891	2,876
3,0198	1394,5	200	3,5	93,93532019	119,86785	49,954811	-79,05095	3,0198
3,1636	1372,5	200	3,5	94,33938791	120,47048	49,352179	-79,65358	3,1636
3,3074	1304	200	3	94,72549101	121,04632	48,27634	-80,72942	3,3074
3,4512	1245,4	200	3	95,09515913	121,59764	47,725012	-81,28074	3,4512
3,595	1209,2	200	3	95,44973447	122,12646	47,196194	-81,80956	3,595
3,7388	1151,9	200	3	95,79040125	122,63454	46,688119	-82,31764	3,7388

3,8826	1110,5	200	3	96,11820958	123,12343	46,199222	-82,80653	3,8826
4,0263	1128,8	200	3	96,43387919	123,59423	45,728428	-83,27733	4,0263
4,1701	1095,6	200	3	96,73868596	124,04882	45,273835	-83,73192	4,1701
4,3139	1061,1	200	3	97,03315804	124,488	44,834656	-84,1711	4,3139
4,4577	1035,9	200	3,5	97,31797332	124,91278	44,909879	-84,09588	4,4577
4,6015	1008,2	200	3,5	97,5937451	125,32407	44,498589	-84,50717	4,6015
4,7453	988,8	200	3,5	97,86103005	125,7227	44,099957	-84,9058	4,7453
4,8891	984,2	200	3,5	98,12033498	126,10943	43,713227	-85,29253	4,8891
5,0329	976,3	200	3,5	98,3721226	126,48495	43,337707	-85,66805	5,0329
5,1767	963,6	200	3,5	98,61681652	126,84989	42,972768	-86,03299	5,1767
5,3205	942,5	200	3,5	98,85480552	127,20483	42,617828	-86,38793	5,3205
5,4643	931,4	200	3,5	99,08644727	127,5503	42,272355	-86,7334	5,4643
5,6081	926,5	200	3,5	99,31207155	127,8868	41,935856	-87,0699	5,6081
5,7519	924,7	200	3,5	99,53198311	128,21478	41,607877	-87,39788	5,7519
5,8957	919,2	200	4	99,7464641	128,53466	41,787997	-87,21776	5,8957
6,0395	909	200	4	99,95577628	128,84683	41,475826	-87,52993	6,0395
6,1833	902,6	200	4	100,1601629	129,15166	41,171001	-87,83476	6,1833
6,3271	899,3	200	4	100,3598505	129,44947	40,873185	-88,13257	6,3271
6,4709	889	200	4	100,5550503	129,7406	40,582061	-88,4237	6,4709
6,6147	892,6	200	4	100,7459596	130,02532	40,297337	-88,70842	6,6147
6,7585	884	200	4	100,9327629	130,30392	40,018736	-88,98702	6,7585
6,9023	882,1	200	4	101,1156332	130,57666	39,746001	-89,25976	6,9023
7,0461	881	200	4	101,2947326	130,84377	39,47889	-89,52687	7,0461
7,1899	876,5	200	4	101,4702136	131,10548	39,217175	-89,78858	7,1899
7,3337	876,2	200	4,5	101,6422194	131,36201	39,460644	-89,54511	7,3337
7,4775	874,4	200	4,5	101,810885	131,61356	39,209094	-89,79666	7,4775
7,6213	875,1	200	4,5	101,9763377	131,86032	38,962335	-90,04342	7,6213
7,7651	872,6	200	4,5	102,1386976	132,10247	38,72019	-90,28557	7,7651
7,9089	869,8	200	4,5	102,2980783	132,34017	38,482487	-90,52327	7,9089
8,0527	863,4	200	4,5	102,454587	132,57359	38,249068	-90,75669	8,0527
8,1965	859,4	200	4,5	102,6083254	132,80288	38,019781	-90,98598	8,1965
8,3403	858,9	200	5	102,75939	133,02818	38,294481	-90,71128	8,3403
8,4841	858,4	200	5	102,9078721	133,24962	38,073033	-90,93272	8,4841
8,6279	861,2	200	5	103,0538586	133,46735	37,855307	-91,15045	8,6279
8,7717	873	200	5	103,197432	133,68148	37,64118	-91,36458	8,7717
8,9155	876,5	200	5	103,3386707	133,89212	37,430535	-91,57522	8,9155
9,0593	863,6	200	5	103,4776494	134,0994	37,22326	-91,7825	9,0593
9,2031	870,9	200	5	103,6144394	134,30341	37,01925	-91,98651	9,2031
9,3469	868,1	200	5	103,7491085	134,50425	36,818402	-92,18735	9,3469
9,4907	865,6	200	5	103,8817215	134,70203	36,620622	-92,38513	9,4907
9,6345	867,9	200	5	104,0123402	134,89684	36,425815	-92,57994	9,6345
9,7783	855,1	200	5	104,1410237	135,08876	36,233895	-92,77186	9,7783
9,9221	846,1	200	5	104,2678286	135,27788	36,044777	-92,96098	9,9221
10,0659	839,8	200	5	104,3928088	135,46428	35,85838	-93,14738	10,0659
10,2097	832,9	200	5	104,5160162	135,64803	35,674627	-93,33113	10,2097
10,3535	838,9	200	5	104,6375003	135,82921	35,493444	-93,51231	10,3535
10,4973	838,5	200	5	104,7573088	136,0079	35,31476	-93,691	10,4973
10,6411	840,5	200	5	104,8754871	136,18415	35,138507	-93,86725	10,6411

10,7849	836,3	200	5	104,992079	136,35804	34,96462	-94,04114	10,7849
10,9287	841	200	5	105,1071267	136,52962	34,793037	-94,21272	10,9287
11,0725	849,4	200	5	105,2206704	136,69896	34,623696	-94,38206	11,0725
11,2163	863,4	200	5	105,3327489	136,86612	34,456541	-94,54922	11,2163
11,3601	879,3	200	5	105,4433997	137,03114	34,291515	-94,71424	11,3601
11,5039	902,3	200	5	105,5526585	137,19409	34,128565	-94,87719	11,5039
11,6477	888,4	200	5	105,6605601	137,35502	33,967639	-95,03812	11,6477
11,7915	886	200	5	105,7671377	137,51397	33,808688	-95,19707	11,7915
11,9353	914,8	200	5	105,8724234	137,67099	33,651664	-95,35409	11,9353
12,079	950	200	5	105,9763762	137,82603	33,496627	-95,50913	12,079
12,2228	984,1	200	5	106,0791707	137,97934	33,343318	-95,66244	12,2228
12,3666	1008,3	200	5	106,1807628	138,13085	33,191802	-95,81395	12,3666
12,5104	1010,8	200	5	106,2811805	138,28062	33,042038	-95,96372	12,5104
12,6542	1014,9	200	5	106,3804505	138,42867	32,893986	-96,11177	12,6542
12,798	984,3	200	5	106,4785987	138,57505	32,747606	-96,25815	12,798
12,9418	943,8	200	5	106,5756503	138,71979	32,602862	-96,40289	12,9418
13,0856	915,6	200	5	106,6716294	138,86294	32,459718	-96,54604	13,0856
13,2294	893,3	200	5	106,7665595	139,00452	32,318138	-96,68762	13,2294
13,3732	870,4	200	5	106,8604634	139,14457	32,178088	-96,82767	13,3732
13,517	838,6	200	5	106,9533628	139,28312	32,039537	-96,96622	13,517
13,6608	806,8	200	5	107,0452792	139,42021	31,902452	-97,1033	13,6608
13,8046	795,9	200	5	107,1362331	139,55585	31,766802	-97,23895	13,8046
13,9484	811,4	200	5	107,2262444	139,6901	31,632558	-97,3732	13,9484
14,0922	841,9	200	5	107,3153325	139,82297	31,499691	-97,50607	14,0922
14,236	863,2	200	5	107,4035162	139,95448	31,368173	-97,63758	14,236
14,3798	875,4	200	5	107,4908135	140,08468	31,237976	-97,76778	14,3798
14,5236	866,1	200	5	107,5772422	140,21358	31,109075	-97,89668	14,5236
14,6674	808,3	200	5	107,6628193	140,34121	30,981445	-98,02431	14,6674
14,8112	780,6	200	5	107,7475615	140,4676	30,855059	-98,1507	14,8112
14,955	823,3	200	5	107,8314849	140,59276	30,729895	-98,27586	14,955
15,0988	873,7	200	5	107,9146052	140,71673	30,605928	-98,39983	15,0988
15,2426	932,7	200	5	107,9969376	140,83952	30,483136	-98,52262	15,2426
15,3864	984,2	200	5	108,0784969	140,96116	30,361498	-98,64426	15,3864
15,5302	1012,9	200	5	108,1592975	141,08167	30,240991	-98,76477	15,5302
15,674	1018,7	200	5	108,2393534	141,20106	30,121594	-98,88416	15,674
15,8178	1010,4	200	5	108,3186782	141,31937	30,003288	-99,00247	15,8178
15,9616	958,7	200	5	108,397285	141,4366	29,886053	-99,1197	15,9616
16,1054	908,3	200	5	108,4751869	141,55279	29,769869	-99,23589	16,1054
16,2492	859,9	200	5	108,5523963	141,66794	29,654718	-99,35104	16,2492
16,393	822,6	200	5	108,6289254	141,78207	29,540582	-99,46517	16,393
16,5368	795,5	200	5	108,7047861	141,89521	29,427442	-99,57831	16,5368
16,6806	763,1	200	5	108,7799899	142,00737	29,315282	-99,69047	16,6806
16,8244	745,2	200	5	108,8545483	142,11857	29,204085	-99,80167	16,8244
16,9682	749,6	200	5	108,9284721	142,22882	29,093834	-99,91192	16,9682
17,112	728,6	200	5	109,001772	142,33814	28,984514	-100,0212	17,112
17,2558	715,2	200	5	109,0744585	142,44655	28,876108	-100,1296	17,2558
17,3996	707,6	200	5	109,1465419	142,55405	28,768602	-100,2372	17,3996
17,5434	695,1	200	5	109,2180319	142,66068	28,661981	-100,3438	17,5434

17,6872	653,3	200	5	109,2889383	142,76643	28,55623	-100,4495	17,6872
17,831	623,5	200	5	109,3592706	142,87132	28,451336	-100,5544	17,831
17,9748	616,9	200	5	109,4290379	142,97537	28,347284	-100,6585	17,9748
18,1186	610,1	200	5	109,4982493	143,0786	28,244061	-100,7617	18,1186
18,2624	611,7	200	5	109,5669136	143,181	28,141654	-100,8641	18,2624
18,4062	653,6	200	5	109,6350393	143,28261	28,040051	-100,9657	18,4062
18,55	724,6	200	5	109,7026349	143,38342	27,939238	-101,0665	18,55
18,6938	734	200	5	109,7697084	143,48345	27,839203	-101,1666	18,6938
18,8376	720,2	200	5	109,836268	143,58272	27,739936	-101,2658	18,8376
18,9814	712,5	200	5	109,9023214	143,68123	27,641423	-101,3643	18,9814
19,1252	745,6	200	5	109,9678763	143,779	27,543653	-101,4621	19,1252
19,269	812,5	200	5	110,0329401	143,87604	27,446616	-101,5591	19,269
19,4128	872,6	200	5	110,0975202	143,97236	27,350301	-101,6555	19,4128
19,5566	913,2	200	5	110,1616236	144,06796	27,254696	-101,7511	19,5566
19,7004	890,7	200	5	110,2252575	144,16286	27,159792	-101,846	19,7004
19,8442	907,3	200	5	110,2884285	144,25708	27,065578	-101,9402	19,8442
19,988	930,6	200	5	110,3511434	144,35061	26,972044	-102,0337	19,988
20,1317	906,6	200	5	110,4133656	144,44341	26,879245	-102,1265	20,1317
20,2755	872,7	200	5	110,475188	144,53561	26,787042	-102,2187	20,2755
20,4193	827,7	200	5	110,5365736	144,62717	26,695491	-102,3103	20,4193
20,5631	751	200	5	110,5975283	144,71807	26,604582	-102,4012	20,5631
20,7069	663	200	5	110,6580583	144,80835	26,514307	-102,4914	20,7069
20,8507	625,8	200	5	110,7181694	144,898	26,424657	-102,5811	20,8507
20,9945	646,6	200	5	110,7778673	144,98703	26,335622	-102,6701	20,9945
21,1383	669,4	200	5	110,8371577	145,07546	26,247196	-102,7586	21,1383
21,2821	724	200	5	110,8960462	145,16329	26,159369	-102,8464	21,2821
21,4259	730,2	200	5	110,954538	145,25052	26,072133	-102,9336	21,4259
21,5697	667,5	200	5	111,0126387	145,33718	25,985481	-103,0203	21,5697
21,7135	600,7	200	5	111,0703532	145,42325	25,899405	-103,1064	21,7135
21,8573	542,1	200	5	111,1276868	145,50876	25,813897	-103,1919	21,8573
22,0011	574,3	200	5	111,1846445	145,59371	25,72895	-103,2768	22,0011
22,1449	631,4	200	5	111,241231	145,6781	25,644556	-103,3612	22,1449
22,2887	610	200	5	111,2974513	145,76195	25,560708	-103,445	22,2887
22,4325	586,6	200	5	111,3533101	145,84526	25,4774	-103,5284	22,4325
22,5763	546,5	200	5	111,4088119	145,92803	25,394624	-103,6111	22,5763
22,7201	535	200	5	111,4639613	146,01028	25,312373	-103,6934	22,7201
22,8639	498,8	200	5	111,5187628	146,09202	25,230642	-103,7751	22,8639
23,0077	448,4	200	5	111,5732207	146,17323	25,149422	-103,8563	23,0077
23,1515	391,7	200	5	111,6273393	146,25395	25,068709	-103,937	23,1515
23,2953	400,7	200	5	111,6811227	146,33416	24,988496	-104,0173	23,2953
23,4391	443,1	200	5	111,7345752	146,41388	24,908776	-104,097	23,4391
23,5829	477,5	200	5	111,7877008	146,49311	24,829544	-104,1762	23,5829
23,7267	496,9	200	5	111,8405034	146,57186	24,750794	-104,255	23,7267
23,8705	595,3	200	5	111,8929869	146,65014	24,672519	-104,3332	23,8705
24,0143	645,6	200	5	111,9451552	146,72794	24,594714	-104,411	24,0143
24,1581	674,8	200	5	111,9970121	146,80528	24,517375	-104,4884	24,1581
24,3019	648	200	5	112,0485612	146,88216	24,440494	-104,5653	24,3019
24,4457	620,6	200	5	112,0998061	146,95859	24,364066	-104,6417	24,4457

24,5895	599,7	200	5	112,1507505	147,03457	24,288087	-104,7177	24,5895
24,7333	571,7	200	5	112,2013979	147,11011	24,212551	-104,7932	24,7333
24,8771	547,2	200	5	112,2517516	147,1852	24,137453	-104,8683	24,8771
25,0209	554,7	200	5	112,3018151	147,25987	24,062787	-104,943	25,0209
25,1647	599,1	200	5	112,3515917	147,33411	23,98855	-105,0172	25,1647
25,3085	642,6	200	5	112,4010847	147,40792	23,914735	-105,091	25,3085
25,4523	665,7	200	5	112,4502972	147,48132	23,841339	-105,1644	25,4523
25,5961	694,2	200	5	112,4992325	147,5543	23,768357	-105,2374	25,5961
25,7399	727,9	200	5	112,5478937	147,62687	23,695783	-105,31	25,7399
25,8837	695,6	200	5	112,5962837	147,69904	23,623613	-105,3821	25,8837
26,0275	630,6	200	5	112,6444057	147,77081	23,551843	-105,4539	26,0275
26,1713	536,4	200	5	112,6922625	147,84219	23,480469	-105,5253	26,1713
26,3151	493	200	5	112,7398571	147,91317	23,409486	-105,5963	26,3151
26,4589	507,2	200	5	112,7871923	147,98377	23,33889	-105,6669	26,4589
26,6027	560,3	200	5	112,8342709	148,05398	23,268676	-105,7371	26,6027
26,7465	606,1	200	5	112,8810958	148,12382	23,198841	-105,8069	26,7465
26,8903	654,1	200	5	112,9276695	148,19328	23,12938	-105,8764	26,8903
27,0341	706,9	200	5	112,9739949	148,26237	23,06029	-105,9455	27,0341
27,1779	751,2	200	5	113,0200745	148,33109	22,991566	-106,0142	27,1779
27,3217	802,4	200	5	113,0659109	148,39945	22,923205	-106,0826	27,3217
27,4655	841,3	200	5	113,1115068	148,46745	22,855203	-106,1506	27,4655
27,6093	881,2	200	5	113,1568645	148,5351	22,787556	-106,2182	27,6093
27,7531	943,5	200	5	113,2019866	148,6024	22,72026	-106,2855	27,7531
27,8969	967,5	200	5	113,2468755	148,66934	22,653312	-106,3524	27,8969
28,0406	961,4	200	5	113,2915026	148,7359	22,586755	-106,419	28,0406
28,1844	936,7	200	5	113,3359324	148,80216	22,520492	-106,4853	28,1844
28,3282	906,3	200	5	113,3801362	148,86809	22,454566	-106,5512	28,3282
28,472	904,3	200	5	113,4241161	148,93368	22,388974	-106,6168	28,472
28,6158	904	200	5	113,4678744	148,99894	22,323712	-106,682	28,6158
28,7596	883	200	5	113,5114134	149,06388	22,258777	-106,747	28,7596

Perfil Topográfico Estación Avila-5 140°



