

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
0,1465	2081,9	30	5	67,65250907	87,554104	83,768552	-45,2372	0,1465
0,2929	2094,7	30	5	73,67014401	98,152621	73,170036	-55,83572	0,2929
0,4394	2061,1	40,8	5	77,19295762	102,82403	68,498631	-60,50713	0,4394
0,5858	2024,8	77,1	5	79,69074392	103,71469	67,607966	-61,39779	0,5858
0,7323	2005,9	96	5	81,62953726	105,63758	65,685077	-63,32068	0,7323
0,8788	1985	116,9	5	83,21355754	107,0146	64,308057	-64,6977	0,8788
1,0252	1955,7	72,028571	5	84,55192852	112,03425	59,288402	-69,71735	1,0252
1,1717	1914,8	95,9	4,5	85,71208517	112,15899	58,663663	-70,34209	1,1717
1,3182	1868,8	113,05	4	86,73538272	112,74851	57,574145	-71,43161	1,3182
1,4646	1827,5	130,97778	4	87,65013717	113,23415	57,088506	-71,91725	1,4646
1,6111	1754	152,67	3,5	88,47820653	113,5089	56,313758	-72,692	1,6111
1,7575	1694,9	175,79091	3,5	89,23366325	113,72	56,102656	-72,9031	1,7575
1,904	1659,4	200	3,5	89,92909545	113,89291	55,929745	-73,07601	1,904
2,0505	1669,6	200	3,5	90,57295205	114,85317	54,969489	-74,03627	2,0505
2,1969	1760,9	200	4,5	91,17196235	115,74654	55,076118	-73,92964	2,1969
2,3434	1797,2	200	5	91,73268508	116,58281	54,739849	-74,26591	2,3434
2,4899	1801	200	5	92,25939468	117,36835	53,954307	-75,05145	2,4899
2,6363	1809,7	200	5	92,75565317	118,10848	53,214181	-75,79158	2,6363
2,7828	1799,5	200	5	93,22539647	118,80906	52,5136	-76,49216	2,7828
2,9292	1784	200	5	93,67073708	119,47324	51,849413	-77,15634	2,9292
3,0757	1752,3	200	5	94,09463603	120,10545	51,217205	-77,78855	3,0757
3,2222	1718,8	200	5	94,49880644	120,70824	50,61442	-78,39134	3,2222
3,3686	1684,2	200	5	94,88474546	121,28383	50,038826	-78,96693	3,3686
3,5151	1660,9	200	5	95,25451027	121,8353	49,487354	-79,5184	3,5151
3,6616	1701,2	200	5	95,60917456	122,36425	48,958403	-80,04735	3,6616
3,808	1761,8	200	5	95,94969537	122,87211	48,450546	-80,55521	3,808

3,9545	1786,6	200	5	96,27758817	123,36113	47,961523	-81,04423	3,9545
4,1009	1771,9	200	5	96,59334016	123,83205	47,490606	-81,51515	4,1009
4,2474	1739,2	200	5	96,89821983	124,28675	47,035905	-81,96985	4,2474
4,3939	1707,4	200	5	97,19275995	124,72603	46,596624	-82,40913	4,3939
4,5403	1691,5	200	5	97,47744757	125,15062	46,172037	-82,83372	4,5403
4,6868	1680,3	200	5	97,753285	125,56201	45,76065	-83,24511	4,6868
4,8333	1702,6	200	5	98,02063162	125,96073	45,361925	-83,64383	4,8333
4,9797	1759,6	200	5	98,27982017	126,34729	44,975368	-84,03039	4,9797
5,1262	1794,3	200	5	98,5316675	126,7229	44,59976	-84,406	5,1262
5,2726	1784,4	200	5	98,77625308	127,08767	44,234982	-84,77077	5,2726
5,4191	1749,7	200	5	99,01429988	127,4427	43,879956	-85,1258	5,4191
5,5656	1689,9	200	5	99,24599638	127,78826	43,534401	-85,47136	5,5656
5,712	1621,3	200	5	99,47152055	128,12461	43,198051	-85,80771	5,712
5,8585	1576,6	200	5	99,69148526	128,45266	42,869993	-86,13576	5,8585
6,0049	1548,9	200	5	99,90587216	128,7724	42,550254	-86,4555	6,0049
6,1514	1520	200	5	100,1152359	129,08465	42,238006	-86,76775	6,1514
6,2979	1477,4	200	5	100,3196718	129,38955	41,933108	-87,07265	6,2979
6,4443	1445,7	200	5	100,5192716	129,68723	41,635422	-87,37033	6,4443
6,5908	1427,2	200	5	100,7145192	129,97843	41,344227	-87,66153	6,5908
6,7373	1411,4	200	5	100,9054743	130,26322	41,059435	-87,94632	6,7373
6,8837	1389,1	200	5	101,0921953	130,5417	40,780957	-88,2248	6,8837
7,0302	1343,4	200	5	101,2751102	130,8145	40,508155	-88,4976	7,0302
7,1766	1286,4	200	5	101,4541314	131,0815	40,24116	-88,7646	7,1766
7,3231	1220	200	5	101,6296559	131,34328	39,979381	-89,02638	7,3231
7,4696	1147,1	200	5	101,8017035	131,59987	39,722787	-89,28297	7,4696
7,616	1066,6	200	5	101,9702953	131,85131	39,471347	-89,53441	7,616
7,7625	992,6	200	5	102,1357888	132,09813	39,224528	-89,78123	7,7625
7,909	940	200	5	102,2981881	132,34033	38,982324	-90,02343	7,909
8,0554	931,3	200	5	102,4574988	132,57793	38,744726	-90,26103	8,0554
8,2019	984,8	200	5	102,614046	132,81141	38,511249	-90,49451	8,2019
8,3483	995,5	200	5	102,7677175	133,0406	38,282061	-90,7237	8,3483
8,4948	1001,4	200	5	102,9188197	133,26595	38,056706	-90,94905	8,4948
8,6413	1032,8	200	5	103,0673382	133,48745	37,835203	-91,17055	8,6413
8,7877	1045	200	5	103,213261	133,70508	37,617572	-91,38818	8,7877
8,9342	1045,6	200	5	103,35687	133,91926	37,403392	-91,60236	8,9342
9,0807	1040,4	200	5	103,4981431	134,12996	37,192695	-91,81306	9,0807
9,2271	1048,8	200	5	103,6370611	134,33715	36,985511	-92,02025	9,2271
9,3736	1036,4	200	5	103,7738849	134,54121	36,781451	-92,22431	9,3736
9,52	1003,8	200	5	103,9084955	134,74197	36,580691	-92,42507	9,52
9,6665	986,2	200	5	104,0411417	134,9398	36,38286	-92,6229	9,6665
9,813	964,1	200	5	104,1717925	135,13465	36,188006	-92,81775	9,813
9,9594	929,6	200	5	104,3004201	135,32649	35,996169	-93,00959	9,9594
10,1059	892,9	200	5	104,4272565	135,51565	35,807004	-93,19875	10,1059
10,2524	866,9	200	5	104,5522674	135,7021	35,620561	-93,3852	10,2524
10,3988	839,6	200	5	104,6754211	135,88577	35,436888	-93,56887	10,3988
10,5453	797,5	200	5	104,7969354	136,067	35,25566	-93,7501	10,5453
10,6917	741,4	200	5	104,9166919	136,2456	35,077054	-93,9287	10,6917
10,8382	713,8	200	5	105,0348998	136,4219	34,900757	-94,105	10,8382

10,9847	709,6	200	5	105,1515206	136,59583	34,726827	-94,27893	10,9847
11,1311	722,3	200	5	105,2665183	136,76734	34,555318	-94,45044	11,1311
11,2776	732,4	200	5	105,3800903	136,93672	34,385936	-94,61982	11,2776
11,4241	764,3	200	5	105,4921965	137,10392	34,218739	-94,78702	11,4241
11,5705	795,5	200	5	105,6027991	137,26887	34,053785	-94,95197	11,5705
11,717	804,9	200	5	105,7120852	137,43186	33,890794	-95,11496	11,717
11,8634	823,6	200	5	105,81994	137,59272	33,729938	-95,27582	11,8634
12,0099	840,6	200	5	105,9265444	137,75171	33,570947	-95,43481	12,0099
12,1564	812,5	200	5	106,0318562	137,90877	33,413884	-95,59187	12,1564
12,3028	790	200	5	106,1358359	138,06385	33,258807	-95,74695	12,3028
12,4493	776	200	5	106,2386552	138,2172	33,105461	-95,9003	12,4493
12,5957	766,9	200	5	106,3402027	138,36865	32,954012	-96,05174	12,5957
12,7422	770,5	200	5	106,4406449	138,51845	32,804211	-96,20155	12,7422
12,8887	771,4	200	5	106,5399389	138,66653	32,656123	-96,34963	12,8887
13,0351	766,2	200	5	106,6380439	138,81285	32,509808	-96,49595	13,0351
13,1816	773,8	200	5	106,7351191	138,95763	32,365028	-96,64073	13,1816
13,3281	789,1	200	5	106,8311214	139,10081	32,221849	-96,78391	13,3281
13,4745	793,5	200	5	106,9260097	139,24233	32,080332	-96,92542	13,4745
13,621	795,5	200	5	107,0199364	139,38241	31,940248	-97,06551	13,621
13,7674	758,2	200	5	107,1127952	139,5209	31,801757	-97,204	13,7674
13,9139	589	200	5	107,2047341	139,65802	31,664639	-97,34112	13,9139
14,0604	502,3	200	5	107,2957101	139,7937	31,528956	-97,4768	14,0604
14,2068	425,6	200	5	107,3856819	139,92789	31,394771	-97,61099	14,2068
14,3533	389,6	200	5	107,4747918	140,06079	31,261871	-97,74389	14,3533
14,4998	339,4	200	5	107,5629968	140,19234	31,130321	-97,87544	14,4998
14,6462	305,1	200	5	107,6502558	140,32247	31,000182	-98,00557	14,6462
14,7927	315,5	200	5	107,7367056	140,45141	30,87125	-98,13451	14,7927
14,9391	361	200	5	107,8222453	140,57898	30,743675	-98,26208	14,9391
15,0856	401,5	200	5	107,9070083	140,7054	30,617258	-98,3885	15,0856
15,2321	479,7	200	5	107,9909522	140,83059	30,492063	-98,51369	15,2321
15,3785	535,9	200	5	108,0740361	140,95451	30,368151	-98,63761	15,3785
15,525	505	200	5	108,1563887	141,07733	30,245329	-98,76043	15,525
15,6715	467,8	200	5	108,2379679	141,199	30,123661	-98,8821	15,6715
15,8179	450,8	200	5	108,3187331	141,31945	30,003206	-99,00255	15,8179
15,9644	446,6	200	5	108,3988086	141,43888	29,883781	-99,12198	15,9644
16,1108	458,8	200	5	108,4780987	141,55713	29,765527	-99,24023	16,1108
16,2573	445,6	200	5	108,556725	141,67439	29,648262	-99,35749	16,2573
16,4038	395,8	200	5	108,6346459	141,79061	29,53205	-99,47371	16,4038
16,5502	352,8	200	5	108,7118215	141,90571	29,416949	-99,58881	16,5502
16,6967	310,4	200	5	108,7883695	142,01987	29,302785	-99,70297	16,6967
16,8432	267,9	200	5	108,8642487	142,13304	29,189618	-99,81614	16,8432
16,9896	239,7	200	5	108,9394197	142,24515	29,077507	-99,92825	16,9896
17,1361	220,5	200	5	109,0139963	142,35637	28,966282	-100,0395	17,1361
17,2825	223,8	200	5	109,0878879	142,46658	28,856079	-100,1497	17,2825
17,429	235,5	200	5	109,161206	142,57592	28,746732	-100,259	17,429
17,5755	225,7	200	5	109,2339104	142,68436	28,638299	-100,3675	17,5755
17,7219	249,7	200	5	109,3059622	142,79182	28,53084	-100,4749	17,7219
17,8684	288,4	200	5	109,3774699	142,89846	28,424193	-100,5816	17,8684

18,0148	313	200	5	109,4483455	143,00417	28,318488	-100,6873	18,0148
18,1613	316,2	200	5	109,5186952	143,10909	28,213568	-100,7922	18,1613
18,3078	279,1	200	5	109,5884798	143,21317	28,10949	-100,8963	18,3078
18,4542	235,5	200	5	109,657661	143,31634	28,006312	-100,9994	18,4542
18,6007	191	200	5	109,7263423	143,41878	27,90388	-101,1019	18,6007
18,7472	132,7	200	5	109,7944848	143,52041	27,802252	-101,2035	18,7472
18,8936	76,3	200	5	109,8620509	143,62117	27,701483	-101,3043	18,8936
19,0401	45	200	5	109,9291411	143,72123	27,601424	-101,4043	19,0401
19,1865	47	200	5	109,9956717	143,82046	27,502199	-101,5036	19,1865
19,333	45,9	200	5	110,0617416	143,919	27,403661	-101,6021	19,333
19,4795	42,8	200	5	110,1273127	144,01679	27,305868	-101,6999	19,4795
19,6259	74,2	200	5	110,1923482	144,11378	27,208873	-101,7969	19,6259
19,7724	123,5	200	5	110,2569443	144,21012	27,112534	-101,8932	19,7724
19,9189	174,2	200	5	110,3210636	144,30575	27,016905	-101,9889	19,9189
20,0653	238,7	200	5	110,3846697	144,40061	26,922042	-102,0837	20,0653
20,2118	249,2	200	5	110,4478564	144,49485	26,827805	-102,178	20,2118
20,3582	211	200	5	110,5105441	144,58834	26,734312	-102,2714	20,3582
20,5047	187,3	200	5	110,572825	144,68123	26,641425	-102,3643	20,5047
20,6512	191,4	200	5	110,6346624	144,77346	26,5492	-102,4566	20,6512
20,7976	187,2	200	5	110,696021	144,86497	26,457689	-102,5481	20,7976
20,9441	165,3	200	5	110,7569906	144,9559	26,366758	-102,639	20,9441
21,0906	161,6	200	5	110,8175353	145,0462	26,276461	-102,7293	21,0906
21,237	149,7	200	5	110,8776199	145,13581	26,18685	-102,8189	21,237
21,3835	125,2	200	5	110,9373324	145,22486	26,097794	-102,908	21,3835
21,5299	128,2	200	5	110,9965968	145,31325	26,009406	-102,9964	21,5299
21,6764	136,8	200	5	111,0554997	145,4011	25,921558	-103,0842	21,6764
21,8229	105,5	200	5	111,1140058	145,48836	25,834301	-103,1715	21,8229
21,9693	70,4	200	5	111,172081	145,57497	25,747687	-103,2581	21,9693
22,1158	54,2	200	5	111,2298096	145,66107	25,66159	-103,3442	22,1158
22,2623	72,6	200	5	111,2871572	145,7466	25,576061	-103,4297	22,2623
22,4087	69,3	200	5	111,3440898	145,83151	25,491151	-103,5146	22,4087
22,5552	40,6	200	5	111,4006902	145,91592	25,406736	-103,599	22,5552
22,7016	17,9	200	5	111,4568859	145,99973	25,322926	-103,6828	22,7016
22,8481	4,8	200	5	111,5127584	146,08306	25,239597	-103,7662	22,8481
22,9946	0,6	200	5	111,5682738	146,16586	25,1568	-103,849	22,9946
23,141	0	200	5	111,623399	146,24807	25,074586	-103,9312	23,141
23,2875	0	200	5	111,6782139	146,32982	24,992834	-104,0129	23,2875
23,434	0	200	5	111,7326851	146,41106	24,911595	-104,0942	23,434
23,5804	0	200	5	111,7867799	146,49174	24,830917	-104,1748	23,5804
23,7269	0	200	5	111,8405766	146,57197	24,750684	-104,2551	23,7269
23,8733	0	200	5	111,8940057	146,65166	24,671	-104,3348	23,8733
24,0198	0	200	5	111,9471443	146,73091	24,591748	-104,414	24,0198
24,1663	0	200	5	111,9999598	146,80968	24,512978	-104,4928	24,1663
24,3127	0	200	5	112,0524204	146,88792	24,434738	-104,571	24,3127
24,4592	0	200	5	112,1046015	146,96574	24,356914	-104,6488	24,4592
24,6056	0	200	5	112,1564358	147,04305	24,279608	-104,7261	24,6056
24,7521	0	200	5	112,2079976	147,11995	24,202708	-104,803	24,7521
24,8986	0	200	5	112,2592551	147,19639	24,126262	-104,8795	24,8986

25,045	0	200	5	112,3101773	147,27234	24,050316	-104,9554	25,045
25,1915	0	200	5	112,3608371	147,3479	23,974761	-105,031	25,1915
25,338	0	200	5	112,4112032	147,42301	23,899645	-105,1061	25,338
25,4844	0	200	5	112,4612448	147,49764	23,825012	-105,1807	25,4844
25,6309	0	200	5	112,5110337	147,5719	23,750756	-105,255	25,6309
25,7773	0	200	5	112,5605051	147,64568	23,676974	-105,3288	25,7773
25,9238	0	200	5	112,6097298	147,7191	23,603559	-105,4022	25,9238
26,0703	0	200	5	112,6586771	147,7921	23,530559	-105,4752	26,0703
26,2167	0	200	5	112,7073171	147,86464	23,458017	-105,5477	26,2167
26,3632	0	200	5	112,7557191	147,93683	23,385829	-105,6199	26,3632
26,5097	0	200	5	112,8038528	148,00861	23,314042	-105,6917	26,5097
26,6561	0	200	5	112,8516888	148,07996	23,242699	-105,7631	26,6561
26,8026	0	200	5	112,8992951	148,15096	23,171698	-105,8341	26,8026
26,949	0	200	5	112,9466097	148,22152	23,101133	-105,9046	26,949
27,0955	0	200	5	112,9937	148,29176	23,030902	-105,9749	27,0955
27,242	0	200	5	113,0405363	148,36161	22,961049	-106,0447	27,242
27,3884	0	200	5	113,0870898	148,43104	22,891619	-106,1141	27,3884
27,5349	0	200	5	113,1334266	148,50015	22,822511	-106,1832	27,5349
27,6814	0	200	5	113,1795176	148,56889	22,753771	-106,252	27,6814
27,8278	0	200	5	113,225334	148,63722	22,68544	-106,3203	27,8278
27,9743	0	200	5	113,2709411	148,70524	22,617421	-106,3883	27,9743
28,1207	0	200	5	113,3162791	148,77285	22,549803	-106,456	28,1207
28,2672	0	200	5	113,3614124	148,84017	22,482491	-106,5233	28,2672
28,4137	0	200	5	113,4063124	148,90713	22,415526	-106,5902	28,4137
28,5601	0	200	5	113,450951	148,97371	22,348951	-106,6568	28,5601
28,7066	0	200	5	113,4953917	149,03998	22,282672	-106,7231	28,7066
28,8531	0	200	5	113,5396062	149,10593	22,21673	-106,789	28,8531
28,9995	0	200	5	113,5835668	149,17149	22,151167	-106,8546	28,9995
29,146	0	200	5	113,6273358	149,23677	22,085889	-106,9199	29,146
29,2924	0	200	5	113,6708557	149,30167	22,020983	-106,9848	29,2924

Perfil Topográfico Estación Avila-5 290°



