

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
0,1442	1997,1	104,8	-9	67,51506178	82,797038	74,525619	-54,48014	0,1442
0,2884	1947,5	154,4	-3	73,53566169	90,599164	72,723492	-56,28226	0,2884
0,4326	1913,4	188,5	-1	77,05748687	94,990159	70,332497	-58,67326	0,4326
0,5769	1875,9	200	0	79,55776735	98,424981	67,897675	-61,10808	0,5769
0,7211	1820,2	200	0	81,49566648	101,31519	65,007468	-63,99829	0,7211
0,8653	1738,8	200	-1	83,07909065	103,67673	61,645929	-67,35983	0,8653
1,0095	1647,8	200	-1	84,41788304	105,67342	59,649237	-69,35652	1,0095
1,1537	1562,4	200	-2	85,57761443	107,40306	56,919599	-72,08616	1,1537
1,2979	1492,2	200	-2	86,60058122	108,92872	55,393933	-73,61182	1,2979
1,4421	1475,1	200	-1	87,51566411	110,29349	55,029167	-73,97659	1,4421
1,5864	1528,4	200	1	88,3440106	111,5289	55,793761	-73,212	1,5864
1,7306	1561	200	1,5	89,09969056	112,65593	55,16673	-73,83903	1,7306
1,8748	1528,9	200	1,5	89,79485547	113,6927	54,129952	-74,8758	1,8748
2,019	1436,8	200	1,5	90,43848295	114,65262	53,170038	-75,83572	2,019
2,1632	1344,6	200	1	91,03769006	115,54628	51,776373	-77,22938	2,1632
2,3074	1250,6	200	1	91,59821434	116,38226	50,9404	-78,06536	2,3074
2,4516	1169,6	200	0	92,12474883	117,16754	49,15512	-79,85064	2,4516
2,5959	1110,6	200	0	92,62151574	117,90842	48,414235	-80,59152	2,5959
2,7401	1098,5	200	1	93,09108483	118,60874	48,713914	-80,29184	2,7401
2,8843	1083,2	200	1	93,53656517	119,27314	48,049519	-80,95624	2,8843
3,0285	1047	200	1	93,96030813	119,90511	47,417543	-81,58821	3,0285
3,1727	998,8	200	1	94,36433674	120,50769	46,81497	-82,19079	3,1727
3,3169	971,2	200	1	94,75040414	121,08347	46,239184	-82,76657	3,3169
3,4611	957,4	200	1,5	95,12003952	121,63475	46,187905	-82,81785	3,4611
3,6054	945,5	200	1,5	95,47482566	122,16388	45,658773	-83,34698	3,6054
3,7496	937,9	200	1,5	95,81545538	122,6719	45,150753	-83,855	3,7496

3,8938	929,1	200	1,5	96,14322939	123,16075	44,661907	-84,34385	3,8938
4,038	920,1	200	2,5	96,45908287	123,63182	45,190839	-83,81492	4,038
4,1822	912,2	200	2,5	96,76385253	124,08635	44,736302	-84,26945	4,1822
4,3264	904,4	200	3	97,05828997	124,52548	44,797174	-84,20858	4,3264
4,4706	901,3	200	3	97,34307285	124,95021	44,372445	-84,63331	4,4706
4,6149	892,3	200	3	97,61900247	125,36174	43,96092	-85,04484	4,6149
4,7591	881,3	200	3	97,88625318	125,76032	43,562339	-85,44342	4,7591
4,9033	881,3	200	3	98,14552589	126,147	43,175657	-85,8301	4,9033
5,0475	878,4	200	3	98,39728313	126,52247	42,800183	-86,20557	5,0475
5,1917	874,9	200	3,5	98,64194835	126,88737	42,935286	-86,07047	5,1917
5,3359	882,5	200	3,5	98,87991021	127,24227	42,580386	-86,42537	5,3359
5,4801	919,8	200	3,5	99,11152624	127,58771	42,234951	-86,77081	5,4801
5,6244	948,3	200	3,5	99,33728056	127,9244	41,898259	-87,1075	5,6244
5,7686	956,3	200	4	99,55716509	128,25234	42,07032	-86,93544	5,7686
5,9128	953	200	4	99,77162036	128,57218	41,750479	-87,25528	5,9128
6,057	948,8	200	4	99,98090805	128,88431	41,438344	-87,56741	6,057
6,2012	930,9	200	4	100,1852713	129,1891	41,133554	-87,8722	6,2012
6,3454	900,9	200	4	100,3849367	129,48689	40,835771	-88,16999	6,3454
6,4896	886,5	200	4	100,5801152	129,77798	40,544679	-88,46108	6,4896
6,6339	883,4	200	4	100,771135	130,06287	40,25979	-88,74597	6,6339
6,7781	877,9	200	4	100,957916	130,34143	39,981222	-89,02453	6,7781
6,9223	878,9	200	4	101,1407649	130,61414	39,708519	-89,29724	6,9223
7,0665	881,6	200	4	101,3198438	130,88122	39,441439	-89,56432	7,0665
7,2107	883	200	4	101,4953051	131,1429	39,179753	-89,826	7,2107
7,3549	884,6	200	4,5	101,667292	131,39941	39,42325	-89,58251	7,3549
7,4991	891,3	200	4,5	101,8359395	131,65093	39,171727	-89,83403	7,4991
7,6434	905,4	200	4,5	102,0014883	131,89783	38,924825	-90,08093	7,6434
7,7876	921,3	200	4,5	102,1638293	132,13995	38,682708	-90,32305	7,7876
7,9318	947,5	200	5	102,3231917	132,37762	38,945033	-90,06072	7,9318
8,076	969,3	200	5	102,4796828	132,61102	38,71164	-90,29412	8,076
8,2202	971,4	200	5	102,6334043	132,84028	38,482378	-90,52338	8,2202
8,3644	956,7	200	5	102,7844524	133,06555	38,257103	-90,74865	8,3644
8,5086	942,7	200	5	102,9329187	133,28698	38,035678	-90,97008	8,5086
8,6529	959,3	200	5	103,0789903	133,50483	37,817825	-91,18793	8,6529
8,7971	982,9	200	5	103,2225471	133,71893	37,603723	-91,40203	8,7971
8,9413	974,5	200	5	103,3637699	133,92956	37,393101	-91,61266	8,9413
9,0855	954,2	200	5	103,5027332	134,13681	37,18585	-91,81991	9,0855
9,2297	939,5	200	5	103,6395083	134,3408	36,981862	-92,02389	9,2297
9,3739	925,5	200	5	103,7741629	134,54162	36,781036	-92,22472	9,3739
9,5181	910,3	200	5	103,9067618	134,73938	36,583276	-92,42248	9,5181
9,6624	899,6	200	5	104,0374568	134,9343	36,388356	-92,6174	9,6624
9,8066	898,9	200	5	104,1661258	135,1262	36,196458	-92,8093	9,8066
9,9508	899,8	200	5	104,2929165	135,3153	36,00736	-92,9984	9,9508
10,095	895,2	200	5	104,417883	135,50167	35,820984	-93,18477	10,095
10,2392	896,2	200	5	104,5410771	135,68541	35,63725	-93,36851	10,2392
10,3834	897,6	200	5	104,6625483	135,86657	35,456087	-93,54967	10,3834
10,5277	901	200	5	104,7824266	136,04536	35,277299	-93,72846	10,5277
10,6719	902,1	200	5	104,9005915	136,22159	35,101066	-93,90469	10,6719

10,8161	900,4	200	5	105,0171705	136,39546	34,927199	-94,07856	10,8161
10,9603	901,8	200	5	105,1322054	136,56702	34,755634	-94,25012	10,9603
11,1045	904,6	200	5	105,2457367	136,73634	34,586312	-94,41944	11,1045
11,2487	904,9	200	5	105,3578033	136,90348	34,419175	-94,58658	11,2487
11,3929	903,2	200	5	105,4684423	137,06849	34,254166	-94,75159	11,3929
11,5372	902,1	200	5	105,577765	137,23154	34,091121	-94,91464	11,5372
11,6814	901,2	200	5	105,6856545	137,39244	33,930213	-95,07554	11,6814
11,8256	901,4	200	5	105,7922203	137,55138	33,77128	-95,23448	11,8256
11,9698	901,8	200	5	105,8974945	137,70838	33,614272	-95,39148	11,9698
12,114	902,9	200	5	106,001508	137,86351	33,459145	-95,54661	12,114
12,2582	902,6	200	5	106,1042906	138,0168	33,305854	-95,6999	12,2582
12,4024	904,2	200	5	106,2058713	138,1683	33,154355	-95,8514	12,4024
12,5467	908	200	5	106,3063468	138,31815	33,004505	-96,00125	12,5467
12,6909	912,7	200	5	106,405605	138,46619	32,85647	-96,14929	12,6909
12,8351	918,4	200	5	106,5037417	138,61255	32,710108	-96,29565	12,8351
12,9793	927	200	5	106,600782	138,75728	32,56538	-96,44038	12,9793
13,1235	932,9	200	5	106,6967501	138,9004	32,422252	-96,5835	13,1235
13,2677	944,6	200	5	106,7916694	139,04197	32,280689	-96,72507	13,2677
13,4119	962,4	200	5	106,8855627	139,182	32,140655	-96,8651	13,4119
13,5562	964,5	200	5	106,9785159	139,32063	32,002023	-97,00373	13,5562
13,7004	954,2	200	5	107,0704215	139,4577	31,864954	-97,1408	13,7004
13,8446	943,3	200	5	107,1613648	139,59334	31,72932	-97,27644	13,8446
13,9888	937,2	200	5	107,2513658	139,72757	31,595092	-97,41067	13,9888
14,133	939,2	200	5	107,3404438	139,86042	31,46224	-97,54352	14,133
14,2772	929,6	200	5	107,4286174	139,99192	31,330736	-97,67502	14,2772
14,4214	927,3	200	5	107,515905	140,1221	31,200554	-97,8052	14,4214
14,5657	955,9	200	5	107,6023838	140,25108	31,071579	-97,93418	14,5657
14,7099	1029,6	200	5	107,687951	140,37869	30,943963	-98,06179	14,7099
14,8541	1106,8	200	5	107,7726834	140,50506	30,817592	-98,18816	14,8541
14,9983	1170,7	200	5	107,8565973	140,63022	30,692442	-98,31331	14,9983
15,1425	1188	200	5	107,9397082	140,75417	30,568489	-98,43727	15,1425
15,2867	1185,9	200	5	108,0220314	140,87695	30,445711	-98,56005	15,2867
15,4309	1125,4	200	5	108,1035817	140,99857	30,324086	-98,68167	15,4309
15,5752	1083,3	200	5	108,1844292	141,11915	30,203509	-98,80225	15,5752
15,7194	1078,3	200	5	108,2644759	141,23853	30,084126	-98,92163	15,7194
15,8636	1074,5	200	5	108,3437916	141,35682	29,965834	-99,03992	15,8636
16,0078	1055,5	200	5	108,4223896	141,47404	29,848612	-99,15714	16,0078
16,152	1068,1	200	5	108,5002827	141,59022	29,732441	-99,27332	16,152
16,2962	1094,7	200	5	108,5774835	141,70535	29,617303	-99,38845	16,2962
16,4404	1143,7	200	5	108,6540042	141,81948	29,503179	-99,50258	16,4404
16,5847	1187,2	200	5	108,729909	141,93268	29,389973	-99,61578	16,5847
16,7289	1230	200	5	108,8051043	142,04483	29,277826	-99,72793	16,7289
16,8731	1286,8	200	5	108,8796542	142,15602	29,166642	-99,83911	16,8731
17,0173	1342,8	200	5	108,9535697	142,26625	29,056403	-99,94935	17,0173
17,1615	1393,9	200	5	109,0268615	142,37556	28,947095	-100,0587	17,1615
17,3057	1394,3	200	5	109,09954	142,48396	28,838701	-100,1671	17,3057
17,4499	1361,9	200	5	109,1716154	142,59145	28,731207	-100,2745	17,4499
17,5942	1314,2	200	5	109,2431471	142,69813	28,624524	-100,3812	17,5942

17,7384	1274,2	200	5	109,3140455	142,80387	28,518785	-100,487	17,7384
17,8826	1249,9	200	5	109,3843698	142,90875	28,413902	-100,5919	17,8826
18,0268	1236,5	200	5	109,4541294	143,01279	28,309862	-100,6959	18,0268
18,171	1238,1	200	5	109,5233331	143,11601	28,206651	-100,7991	18,171
18,3152	1240,1	200	5	109,5919899	143,2184	28,104255	-100,9015	18,3152
18,4594	1229,1	200	5	109,6601082	143,31999	28,002663	-101,0031	18,4594
18,6037	1250,4	200	5	109,7277431	143,42087	27,901791	-101,104	18,6037
18,7479	1280,7	200	5	109,7948091	143,52089	27,801768	-101,204	18,7479
18,8921	1307,5	200	5	109,8613613	143,62015	27,702511	-101,3032	18,8921
19,0363	1354,2	200	5	109,9274074	143,71865	27,604009	-101,4017	19,0363
19,1805	1403,9	200	5	109,9929551	143,81641	27,506251	-101,4995	19,1805
19,3247	1447,5	200	5	110,0580118	143,91343	27,409224	-101,5965	19,3247
19,4689	1436,2	200	5	110,1225849	144,00974	27,312919	-101,6928	19,4689
19,6132	1415,7	200	5	110,1867257	144,1054	27,217259	-101,7885	19,6132
19,7574	1405,7	200	5	110,2503524	144,20029	27,122365	-101,8834	19,7574
19,9016	1418,2	200	5	110,3135164	144,2945	27,028161	-101,9776	19,9016
20,0458	1430,5	200	5	110,3762244	144,38802	26,934638	-102,0711	20,0458
20,19	1415,5	200	5	110,438483	144,48087	26,841785	-102,164	20,19
20,3342	1411,7	200	5	110,5002984	144,57306	26,749592	-102,2562	20,3342
20,4784	1440,6	200	5	110,561677	144,66461	26,658051	-102,3477	20,4784
20,6227	1490,3	200	5	110,6226671	144,75557	26,56709	-102,4387	20,6227
20,7669	1492	200	5	110,68319	144,84583	26,476825	-102,5289	20,7669
20,9111	1477,7	200	5	110,7432942	144,93547	26,387185	-102,6186	20,9111
21,0553	1484,6	200	5	110,8029852	145,0245	26,298161	-102,7076	21,0553
21,1995	1471,3	200	5	110,8622689	145,11291	26,209745	-102,796	21,1995
21,3437	1455,2	200	5	110,9211507	145,20073	26,121928	-102,8838	21,3437
21,4879	1457,1	200	5	110,9796361	145,28795	26,034702	-102,9711	21,4879
21,6322	1451,4	200	5	111,0377704	145,37466	25,948	-103,0578	21,6322
21,7764	1442,5	200	5	111,0954783	145,46072	25,861933	-103,1438	21,7764
21,9206	1443,9	200	5	111,1528053	145,54622	25,776435	-103,2293	21,9206
22,0648	1468,7	200	5	111,2097565	145,63116	25,691497	-103,3143	22,0648
22,209	1483,3	200	5	111,2663367	145,71554	25,607113	-103,3986	22,209
22,3532	1473,6	200	5	111,3225507	145,79938	25,523275	-103,4825	22,3532
22,4974	1452,4	200	5	111,3784032	145,88268	25,439976	-103,5658	22,4974
22,6417	1435,7	200	5	111,4339372	145,96551	25,357151	-103,6486	22,6417
22,7859	1399,5	200	5	111,4890803	146,04775	25,27491	-103,7308	22,7859
22,9301	1360,1	200	5	111,5438755	146,12947	25,193188	-103,8126	22,9301
23,0743	1327,1	200	5	111,5983273	146,21068	25,111978	-103,8938	23,0743
23,2185	1263,8	200	5	111,6524398	146,29138	25,031274	-103,9745	23,2185
23,3627	1185	200	5	111,7062172	146,37159	24,95107	-104,0547	23,3627
23,5069	1119,6	200	5	111,7596638	146,4513	24,871359	-104,1344	23,5069
23,6512	1068,2	200	5	111,8128202	146,53058	24,792081	-104,2137	23,6512
23,7954	1041,8	200	5	111,8656168	146,60932	24,713339	-104,2924	23,7954
23,9396	1009	200	5	111,9180944	146,68758	24,635073	-104,3707	23,9396
24,0838	975,5	200	5	111,9702568	146,76538	24,557278	-104,4485	24,0838
24,228	935,5	200	5	112,0221079	146,84271	24,479946	-104,5258	24,228
24,3722	904,8	200	5	112,0736512	146,91958	24,403074	-104,6027	24,3722
24,5164	890,6	200	5	112,1248905	146,996	24,326655	-104,6791	24,5164

24,6607	859,7	200	5	112,1758646	147,07203	24,250632	-104,7551	24,6607
24,8049	869,5	200	5	112,2265062	147,14755	24,175104	-104,8307	24,8049
24,9491	913,8	200	5	112,2768542	147,22264	24,100014	-104,9057	24,9491
25,0933	950,8	200	5	112,3269121	147,2973	24,025357	-104,9804	25,0933
25,2375	975,7	200	5	112,3766832	147,37153	23,951128	-105,0546	25,2375
25,3817	961,3	200	5	112,4261707	147,44533	23,877322	-105,1284	25,3817
25,5259	905,6	200	5	112,4753778	147,51872	23,803934	-105,2018	25,5259
25,6702	855	200	5	112,5243416	147,59175	23,730909	-105,2748	25,6702
25,8144	838	200	5	112,5729973	147,66431	23,658343	-105,3474	25,8144
25,9586	847,6	200	5	112,6213819	147,73648	23,586181	-105,4196	25,9586
26,1028	878,3	200	5	112,6694985	147,80824	23,51442	-105,4913	26,1028
26,247	861,7	200	5	112,71735	147,8796	23,443053	-105,5627	26,247
26,3912	833,3	200	5	112,7649393	147,95058	23,372078	-105,6337	26,3912
26,5354	856,3	200	5	112,8122693	148,02117	23,301489	-105,7043	26,5354
26,6797	890,7	200	5	112,8593754	148,09142	23,231235	-105,7745	26,6797
26,8239	902,7	200	5	112,906195	148,16125	23,161408	-105,8443	26,8239
26,9681	847,9	200	5	112,9527636	148,2307	23,091955	-105,9138	26,9681
27,1123	792,8	200	5	112,9990838	148,29978	23,022872	-105,9829	27,1123
27,2565	799,9	200	5	113,0451583	148,3685	22,954156	-106,0516	27,2565
27,4007	840	200	5	113,0909897	148,43685	22,885802	-106,12	27,4007
27,5449	876,8	200	5	113,1365806	148,50485	22,817808	-106,1879	27,5449
27,6892	915	200	5	113,1819647	148,57254	22,750121	-106,2556	27,6892
27,8334	944,2	200	5	113,2270818	148,63982	22,682833	-106,3229	27,8334
27,9776	969,4	200	5	113,2719657	148,70676	22,615892	-106,3899	27,9776
28,1218	1007,3	200	5	113,3166189	148,77336	22,549296	-106,4565	28,1218
28,266	1054,5	200	5	113,3610437	148,83962	22,48304	-106,5227	28,266
28,4102	1035	200	5	113,4052424	148,90553	22,417122	-106,5886	28,4102
28,5544	968,5	200	5	113,4492174	148,97112	22,351537	-106,6542	28,5544
28,6987	899,9	200	5	113,4930011	149,03642	22,286238	-106,7195	28,6987
28,8429	837,1	200	5	113,5365351	149,10135	22,22131	-106,7844	28,8429

Perfil Topográfico Estación Avila-5 210°



