

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
0,1439	2008,6	93,3	-7	67,49697245	83,187645	76,135012	-52,87074	0,1439
0,2877	1979,3	122,6	-1	73,51455381	91,596124	73,726532	-55,27922	0,2877
0,4316	1989,3	112,6	3	77,03738529	97,517687	71,80497	-57,20079	0,4316
0,5755	1998,2	103,7	4	79,53666313	101,88735	68,435309	-60,57045	0,5755
0,7193	1914	187,9	3	81,47395778	101,63198	67,69068	-61,31508	0,7193
0,8632	1845	200	1,5	83,05798521	103,64525	64,177406	-64,82835	0,8632
1,0071	1798,4	168,64286	1,5	84,39720849	106,66761	61,155043	-67,85071	1,0071
1,1509	1705,1	200	1	85,55650837	107,37158	59,951077	-69,05468	1,1509
1,2948	1664,2	200	1	86,57981039	108,89775	58,424911	-70,58085	1,2948
1,4387	1598,6	200	1	87,49516145	110,26291	57,059745	-71,94601	1,4387
1,5826	1501,5	200	0	88,3231798	111,49783	54,824828	-74,18093	1,5826
1,7264	1489	200	1	89,07858512	112,62445	54,698207	-74,30755	1,7264
1,8703	1372,7	200	0	89,77398205	113,66157	52,661083	-76,34467	1,8703
2,0142	1334,1	200	0	90,41780841	114,62178	51,700872	-77,30488	2,0142
2,158	1284,4	200	0	91,01678538	115,51511	50,807551	-78,19821	2,158
2,3019	1250,5	200	1	91,57748563	116,35134	50,971315	-78,03444	2,3019
2,4458	1246,6	200	1	92,10417539	117,13685	50,185803	-78,81995	2,4458
2,5896	1195,9	200	1	92,6004103	117,87694	49,445712	-79,56004	2,5896
2,7335	1147,2	200	1	93,07013814	118,5775	48,745154	-80,2606	2,7335
2,8774	1130	200	1	93,51576136	119,24211	48,080546	-80,92521	2,8774
3,0212	1179,5	200	1,5	93,93934609	119,87385	47,948806	-81,05695	3,0212
3,1651	1188,9	200	2,5	94,34350529	120,47662	48,346038	-80,65972	3,1651
3,309	1165,1	200	2,5	94,72969192	121,05258	47,770075	-81,23568	3,309
3,4528	1119,2	200	2,5	95,09918503	121,60365	47,219008	-81,78675	3,4528
3,5967	1058,6	200	2,5	95,45384087	122,13259	46,69007	-82,31569	3,5967
3,7406	1011,8	200	2,5	95,79458196	122,64077	46,181884	-82,82387	3,7406

3,8845	979,8	200	2,5	96,12245909	123,12977	45,692884	-83,31287	3,8845
4,0283	965,1	200	2,5	96,4381927	123,60066	45,221995	-83,78376	4,0283
4,1722	957,8	200	3	96,74305895	124,05534	45,267314	-83,73844	4,1722
4,3161	948,9	200	3	97,03758654	124,49461	44,828051	-84,17771	4,3161
4,4599	942,3	200	3	97,32225899	124,91917	44,403487	-84,60227	4,4599
4,6038	935	200	3	97,59808554	125,33054	43,992116	-85,01364	4,6038
4,7477	926,2	200	3	97,86542195	125,72925	43,593407	-85,41235	4,7477
4,8915	918,8	200	3	98,12459773	126,11579	43,206869	-85,79889	4,8915
5,0354	912,5	200	3,5	98,37643608	126,49138	43,331274	-85,67448	5,0354
5,1793	907,4	200	3,5	98,62117792	126,85639	42,966263	-86,03949	5,1793
5,3231	901,2	200	3,5	98,85904907	127,21116	42,611499	-86,39426	5,3231
5,467	900,2	200	3,5	99,09073805	127,5567	42,265955	-86,7398	5,467
5,6109	898	200	3,5	99,31640714	127,89327	41,929389	-87,07637	5,6109
5,7547	897,9	200	3,5	99,53621034	128,22108	41,601572	-87,40418	5,7547
5,8986	896,8	200	3,5	99,7507355	128,54103	41,281627	-87,72413	5,8986
6,0425	897,3	200	4	99,96008975	128,85326	41,469393	-87,53636	6,0425
6,1864	883,3	200	4	100,1645165	129,15815	41,164508	-87,84125	6,1864
6,3302	873,2	200	4	100,3641052	129,45582	40,866839	-88,13892	6,3302
6,4741	868,9	200	4	100,5593446	129,747	40,575657	-88,4301	6,4741
6,618	867,5	200	4	100,7502918	130,03178	40,290876	-88,71488	6,618
6,7618	863,9	200	4	100,937003	130,31024	40,012412	-88,99334	6,7618
6,9057	861,9	200	4	101,1199107	130,58304	39,739621	-89,26614	6,9057
7,0496	855,3	200	4	101,2990461	130,8502	39,472457	-89,5333	7,0496
7,1934	852,7	200	4	101,4744408	131,11179	39,210871	-89,79489	7,1934
7,3373	849,4	200	4	101,6464821	131,36837	38,954286	-90,05147	7,3373
7,4812	846,1	200	4	101,8151819	131,61997	38,702685	-90,30307	7,4812
7,625	843,1	200	4,5	101,9805535	131,86661	38,956048	-90,04971	7,625
7,7689	837,4	200	4,5	102,1429472	132,1088	38,713852	-90,2919	7,7689
7,9128	832,4	200	4,5	102,3023604	132,34656	38,476101	-90,52966	7,9128
8,0566	834,7	200	4,5	102,4587926	132,57986	38,242796	-90,76296	8,0566
8,2005	837,7	200	4,5	102,6125632	132,8092	38,01346	-90,9923	8,2005
8,3444	840,3	200	4,5	102,7636589	133,03454	37,788115	-91,21764	8,3444
8,4883	842,7	200	5	102,912171	133,25603	38,066622	-90,93913	8,4883
8,6321	856,7	200	5	103,0580858	133,47365	37,849002	-91,15675	8,6321
8,776	878,8	200	5	103,2016889	133,68783	37,634831	-91,37093	8,776
8,9199	887,7	200	5	103,3429563	133,89851	37,424143	-91,58161	8,9199
9,0637	879,5	200	5	103,481867	134,10569	37,21697	-91,78879	9,0637
9,2076	881,4	200	5	103,6186855	134,30974	37,012917	-91,99284	9,2076
9,3515	888,4	200	5	103,7533821	134,51063	36,812029	-92,19373	9,3515
9,4953	886,6	200	5	103,8859304	134,70831	36,614345	-92,39141	9,4953
9,6392	897,8	200	5	104,0165764	134,90316	36,419497	-92,58626	9,6392
9,7831	925,8	200	5	104,1452864	135,09512	36,227538	-92,77822	9,7831
9,9269	922,4	200	5	104,2720295	135,28415	36,038511	-92,96725	9,9269
10,0708	925,1	200	5	104,397036	135,47058	35,852075	-93,15368	10,0708
10,2147	926,3	200	5	104,5202689	135,65437	35,668284	-93,33747	10,2147
10,3585	930,9	200	5	104,641694	135,83547	35,487189	-93,51857	10,3585
10,5024	922,6	200	5	104,7615277	136,01419	35,308468	-93,69729	10,5024
10,6463	899,4	200	5	104,8797306	136,19048	35,132178	-93,87358	10,6463

10,7902	903,9	200	5	104,9963465	136,3644	34,958256	-94,0475	10,7902
10,934	924,7	200	5	105,111338	136,5359	34,786756	-94,219	10,934
11,0779	936,4	200	5	105,2249054	136,70528	34,61738	-94,38838	11,0779
11,2218	958,2	200	5	105,3370071	136,87247	34,45019	-94,55557	11,2218
11,3656	977,3	200	5	105,4476039	137,03741	34,285245	-94,72051	11,3656
11,5095	944	200	5	105,5568857	137,2004	34,122261	-94,8835	11,5095
11,6534	907	200	5	105,6648096	137,36136	33,961301	-95,04446	11,6534
11,7972	871,8	200	5	105,7713354	137,52023	33,802428	-95,20333	11,7972
11,9411	866,8	200	5	105,8766433	137,67729	33,64537	-95,36039	11,9411
12,085	877,3	200	5	105,9806897	137,83246	33,490194	-95,51556	12,085
12,2288	868,4	200	5	106,0834334	137,9857	33,336961	-95,6688	12,2288
12,3727	877,9	200	5	106,1850462	138,13724	33,185414	-95,82034	12,3727
12,5166	888	200	5	106,285484	138,28704	33,03562	-95,97014	12,5166
12,6604	904,4	200	5	106,3847051	138,43502	32,88764	-96,11812	12,6604
12,8043	926,1	200	5	106,4828734	138,58143	32,741231	-96,26453	12,8043
12,9482	949,1	200	5	106,5799446	138,7262	32,596458	-96,4093	12,9482
13,0921	986,2	200	5	106,6759429	138,86937	32,453285	-96,55247	13,0921
13,2359	1010,8	200	5	106,7708261	139,01088	32,311774	-96,69398	13,2359
13,3798	1048,8	200	5	106,864749	139,15096	32,171697	-96,83406	13,3798
13,5237	1079,6	200	5	106,9576671	139,28954	32,033117	-96,97264	13,5237
13,6675	1121,2	200	5	107,0495382	139,42656	31,8961	-97,10966	13,6675
13,8114	1158,4	200	5	107,1405106	139,56223	31,760422	-97,24533	13,8114
13,9553	1191,2	200	5	107,2305401	139,69651	31,626151	-97,37961	13,9553
14,0991	1186,1	200	5	107,3195844	139,82931	31,493349	-97,51241	14,0991
14,243	1137,3	200	5	107,4077861	139,96085	31,361804	-97,64395	14,243
14,3869	1099,4	200	5	107,4951011	140,09108	31,231582	-97,77417	14,3869
14,5307	1065,2	200	5	107,5814873	140,21991	31,102744	-97,90301	14,5307
14,6746	1071,1	200	5	107,667082	140,34757	30,975087	-98,03067	14,6746
14,8185	1077,7	200	5	107,7518415	140,47398	30,848676	-98,15708	14,8185
14,9623	1055	200	5	107,8357237	140,59908	30,723573	-98,28218	14,9623
15,1062	1021,5	200	5	107,9188612	140,72308	30,59958	-98,40618	15,1062
15,2501	991,6	200	5	108,0012104	140,84589	30,476764	-98,52899	15,2501
15,394	989,3	200	5	108,0827862	140,96756	30,355101	-98,65066	15,394
15,5378	1025,3	200	5	108,1635471	141,088	30,234653	-98,7711	15,5378
15,6817	1075,4	200	5	108,2436194	141,20742	30,115232	-98,89052	15,6817
15,8256	1127	200	5	108,3229603	141,32575	29,996902	-99,00885	15,8256
15,9694	1163,7	200	5	108,4015286	141,44293	29,879724	-99,12603	15,9694
16,1133	1166,2	200	5	108,4794464	141,55914	29,763516	-99,24224	16,1133
16,2572	1133,4	200	5	108,5566715	141,67431	29,648342	-99,35741	16,2572
16,401	1095,7	200	5	108,6331631	141,7884	29,534261	-99,4715	16,401
16,5449	1077,1	200	5	108,7090395	141,90156	29,421098	-99,58466	16,5449
16,6888	1044,2	200	5	108,7842588	142,01374	29,308915	-99,69684	16,6888
16,8326	1040,3	200	5	108,8587806	142,12488	29,197773	-99,80798	16,8326
16,9765	991,7	200	5	108,9327197	142,23516	29,087499	-99,91826	16,9765
17,1204	960,6	200	5	109,0060347	142,3445	28,978156	-100,0276	17,1204
17,2642	918,6	200	5	109,0786857	142,45285	28,869803	-100,136	17,2642
17,4081	876	200	5	109,150784	142,56038	28,762275	-100,2435	17,4081
17,552	847,6	200	5	109,2222888	142,66702	28,655632	-100,3501	17,552

17,6959	827,3	200	5	109,2932097	142,7728	28,54986	-100,4559	17,6959
17,8397	815,7	200	5	109,3635075	142,87764	28,445017	-100,5607	17,8397
17,9836	817,9	200	5	109,4332893	142,98171	28,340943	-100,6648	17,9836
18,1275	843,9	200	5	109,5025148	143,08496	28,237699	-100,7681	18,1275
18,2713	860,9	200	5	109,5711455	143,18731	28,135343	-100,8704	18,2713
18,4152	859	200	5	109,6392854	143,28894	28,033718	-100,972	18,4152
18,5591	825,1	200	5	109,7068948	143,38977	27,932884	-101,0729	18,5591
18,7029	785,2	200	5	109,7739356	143,48976	27,832899	-101,1729	18,7029
18,8468	720,8	200	5	109,840509	143,58905	27,733611	-101,2721	18,8468
18,9907	654,1	200	5	109,906576	143,68758	27,635077	-101,3707	18,9907
19,1345	647,1	200	5	109,9720989	143,7853	27,537356	-101,4684	19,1345
19,2784	653,8	200	5	110,0371763	143,88236	27,440298	-101,5655	19,2784
19,4223	630,1	200	5	110,1017697	143,97869	27,343963	-101,6618	19,4223
19,5661	587,9	200	5	110,1658419	144,07425	27,248405	-101,7574	19,5661
19,71	619,6	200	5	110,2294891	144,16918	27,153481	-101,8523	19,71
19,8539	634,6	200	5	110,2926732	144,26341	27,059247	-101,9465	19,8539
19,9978	624,4	200	5	110,355401	144,35696	26,965694	-102,0401	19,9978
20,1416	652,8	200	5	110,4176359	144,44978	26,872876	-102,1329	20,1416
20,2855	667,5	200	5	110,4794709	144,542	26,780655	-102,2251	20,2855
20,4294	698	200	5	110,5408688	144,63357	26,689085	-102,3167	20,4294
20,5732	750,9	200	5	110,6017935	144,72444	26,598221	-102,4075	20,5732
20,7171	793,1	200	5	110,6623358	144,81473	26,507928	-102,4978	20,7171
20,861	845,4	200	5	110,722459	144,9044	26,418259	-102,5875	20,861
21,0048	888,4	200	5	110,7821276	144,99339	26,329269	-102,6765	21,0048
21,1487	882,7	200	5	110,8414301	145,08183	26,240824	-102,7649	21,1487
21,2926	831,1	200	5	110,9003305	145,16968	26,152979	-102,8528	21,2926
21,4364	751,1	200	5	110,9587936	145,25687	26,065787	-102,94	21,4364
21,5803	668,1	200	5	111,0169061	145,34354	25,979117	-103,0266	21,5803
21,7242	676,2	200	5	111,0746324	145,42963	25,893023	-103,1127	21,7242
21,868	743,6	200	5	111,1319379	145,5151	25,807557	-103,1982	21,868
22,0119	815,6	200	5	111,1889072	145,60006	25,722592	-103,2832	22,0119
22,1558	873,9	200	5	111,2455053	145,68448	25,638181	-103,3676	22,1558
22,2997	889,6	200	5	111,301737	145,76834	25,554317	-103,4514	22,2997
22,4435	887,7	200	5	111,3575683	145,85161	25,471049	-103,5347	22,4435
22,5874	874,4	200	5	111,4130814	145,9344	25,388256	-103,6175	22,5874
22,7313	866,9	200	5	111,468242	146,01667	25,305989	-103,6998	22,7313
22,8751	886,6	200	5	111,5230166	146,09836	25,224297	-103,7815	22,8751
23,019	920,1	200	5	111,5774856	146,1796	25,143062	-103,8627	23,019
23,1629	965,8	200	5	111,6316152	146,26032	25,062332	-103,9434	23,1629
23,3067	1008,3	200	5	111,6853723	146,3405	24,982158	-104,0236	23,3067
23,4506	1046,8	200	5	111,7388358	146,42023	24,902422	-104,1033	23,4506
23,5945	1050,9	200	5	111,7919721	146,49948	24,823174	-104,1826	23,5945
23,7383	1050,5	200	5	111,8447489	146,57819	24,744462	-104,2613	23,7383
23,8822	1019,1	200	5	111,8972432	146,65649	24,666171	-104,3396	23,8822
24,0261	993,2	200	5	111,9494222	146,73431	24,588351	-104,4174	24,0261
24,1699	1017,2	200	5	112,0012536	146,81161	24,511049	-104,4947	24,1699
24,3138	1049,1	200	5	112,0528134	146,8885	24,434152	-104,5716	24,3138
24,4577	1073,3	200	5	112,1040688	146,96495	24,357709	-104,648	24,4577

24,6016	1050,4	200	5	112,1550236	147,04094	24,281714	-104,724	24,6016
24,7454	996	200	5	112,2056461	147,11644	24,206215	-104,7995	24,7454
24,8893	929,8	200	5	112,2560102	147,19156	24,131101	-104,8747	24,8893
25,0332	882,3	200	5	112,306084	147,26624	24,056421	-104,9493	25,0332
25,177	857,9	200	5	112,3558362	147,34044	23,98222	-105,0235	25,177
25,3209	836,3	200	5	112,4053393	147,41427	23,90839	-105,0974	25,3209
25,4648	803,8	200	5	112,454562	147,48768	23,834979	-105,1708	25,4648
25,6086	801,2	200	5	112,5034733	147,56062	23,762032	-105,2437	25,6086
25,7525	840,4	200	5	112,5521445	147,63321	23,689443	-105,3163	25,7525
25,8964	869,8	200	5	112,6005445	147,7054	23,617259	-105,3885	25,8964
26,0402	838,4	200	5	112,6486429	147,77713	23,545524	-105,4602	26,0402
26,1841	784,4	200	5	112,6965096	147,84852	23,474135	-105,5316	26,1841
26,328	744,5	200	5	112,744114	147,91952	23,403137	-105,6026	26,328
26,4718	706,7	200	5	112,791426	147,99008	23,332575	-105,6732	26,4718
26,6157	684	200	5	112,8385144	148,06031	23,262347	-105,7434	26,6157
26,7596	672,5	200	5	112,8853489	148,13016	23,192498	-105,8133	26,7596
26,9035	686,7	200	5	112,9319322	148,19963	23,123023	-105,8827	26,9035
27,0473	651,8	200	5	112,9782349	148,26869	23,053966	-105,9518	27,0473
27,1912	616,4	200	5	113,0243241	148,33743	22,985228	-106,0205	27,1912
27,3351	549,3	200	5	113,0701699	148,4058	22,916853	-106,0889	27,3351
27,4789	496	200	5	113,1157434	148,47377	22,848884	-106,1569	27,4789
27,6228	447,1	200	5	113,1611106	148,54143	22,781223	-106,2245	27,6228
27,7667	417,2	200	5	113,2062419	148,60874	22,713914	-106,2918	27,7667
27,9105	465,5	200	5	113,2511089	148,67566	22,646999	-106,3588	27,9105
28,0544	510,3	200	5	113,2957763	148,74228	22,580381	-106,4254	28,0544
28,1983	564,9	200	5	113,3402151	148,80855	22,514104	-106,4917	28,1983
28,3421	562,8	200	5	113,3843971	148,87445	22,448211	-106,5575	28,3421
28,486	502,4	200	5	113,428386	148,94005	22,382605	-106,6232	28,486
28,6299	475,1	200	5	113,4721532	149,00533	22,31733	-106,6884	28,6299
28,7737	488,9	200	5	113,5156708	149,07023	22,252428	-106,7533	28,7737

Perfil Topográfico Estación Avila-5 150°



