

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
0,0646	2081,8	30	1,5	60,54040693	75,027966	92,794691	-36,21107	0,0646
0,1292	2092,9	30	5	66,56100685	85,631704	85,690953	-43,3148	0,1292
0,1938	2091,7	30	5	70,08283203	91,834493	79,488163	-49,51759	0,1938
0,2585	2087,2	30	5	72,58496752	96,241361	75,081295	-53,92446	0,2585
0,3231	2069,1	32,8	5	74,52249573	99,242803	72,079854	-56,9259	0,3231
0,3877	2041,5	60,4	4,5	76,10567259	99,061223	71,761434	-57,24432	0,3877
0,4523	2017,8	84,1	4	77,44428833	99,623322	70,699334	-58,30642	0,4523
0,5169	1996,4	105,5	3,5	78,60388722	100,3198	69,502859	-59,5029	0,5169
0,5815	1976	125,9	3,5	79,62675095	100,99575	68,826902	-60,17885	0,5815
0,6461	1956,3	145,6	3,5	80,54175139	101,62655	68,196112	-60,80965	0,6461
0,7107	1935,3	166,6	3,5	81,36948288	102,14659	67,676063	-61,32969	0,7107
0,7754	1917,4	184,5	3,5	82,12627251	102,7145	67,10816	-61,8976	0,7754
0,84	1899,3	200	3	82,82134229	103,29232	66,030338	-62,97542	0,84
0,9046	1880,6	200	3	83,46488824	104,25211	65,070546	-63,93521	0,9046
0,9692	1862,4	200	3	84,06402468	105,14567	64,176986	-64,82877	0,9692
1,0338	1846,4	132,08571	3	84,62448713	108,4886	60,834061	-68,1717	1,0338
1,0984	1833,4	150,53571	3	85,15096706	108,50495	60,817707	-68,18805	1,0984
1,163	1816,4	159,53333	3	85,64735087	108,90606	60,416593	-68,58916	1,163
1,2276	1800,4	168,40625	3	86,11689417	109,28287	60,039789	-68,96597	1,2276
1,2923	1787,8	176,97647	3	86,56302346	109,64549	59,677162	-69,32859	1,2923
1,3569	1780,4	195,02353	3,5	86,98671342	109,66534	60,157318	-68,84844	1,3569
1,4215	1775,1	200	3,5	87,39069385	110,10711	59,715549	-69,29021	1,4215
1,4861	1767,6	200	3,5	87,77671726	110,68283	59,139829	-69,86593	1,4861
1,5507	1760,3	200	3,5	88,14631231	111,23405	58,58861	-70,41715	1,5507
1,6153	1753,1	200	3,5	88,50082043	111,76276	58,059893	-70,94586	1,6153
1,6799	1745,9	200	3,5	88,84142517	112,27075	57,55191	-71,45385	1,6799

1,7446	1739,2	200	3,5	89,16967394	112,7603	57,062356	-71,9434	1,7446
1,8092	1736,3	200	4	89,48548815	113,23131	57,091347	-71,91441	1,8092
1,8738	1738,8	200	4	89,79022127	113,68579	56,636864	-72,36889	1,8738
1,9384	1740,6	200	4	90,0846246	114,12487	56,197787	-72,80797	1,9384
2,003	1743,9	200	4	90,36937556	114,54955	55,773106	-73,23265	2,003
2,0676	1746,1	200	4	90,64508704	114,96075	55,361906	-73,64385	2,0676
2,1322	1748,5	200	4,5	90,91231535	115,3593	55,463358	-73,5424	2,1322
2,1968	1745,3	200	4,5	91,17156697	115,74595	55,076707	-73,92905	2,1968
2,2615	1731,5	200	4,5	91,42368841	116,12197	54,70069	-74,30507	2,2615
2,3261	1715,4	200	4,5	91,6683242	116,48682	54,335837	-74,66992	2,3261
2,3907	1695,2	200	4	91,9062582	116,84168	53,48098	-75,52478	2,3907
2,4553	1670,7	200	4	92,13784785	117,18707	53,135584	-75,87017	2,4553
2,5199	1643,2	200	4	92,3634227	117,5235	52,799159	-76,2066	2,5199
2,5845	1622,1	200	4	92,5832873	117,85141	52,47125	-76,53451	2,5845
2,6491	1598,8	200	4	92,79772363	118,17122	52,151437	-76,85432	2,6491
2,7137	1567,9	200	4	93,00699327	118,48333	51,839329	-77,16643	2,7137
2,7784	1548,1	200	4	93,21165198	118,78856	51,534099	-77,47166	2,7784
2,843	1533,2	200	4	93,41129377	119,08631	51,23635	-77,76941	2,843
2,9076	1515,3	200	4	93,60644978	119,37736	50,945292	-78,06046	2,9076
2,9722	1486,3	200	3,5	93,79731717	119,66203	50,16063	-78,84513	2,9722
3,0368	1453,3	200	3,5	93,98408039	119,94057	49,882089	-79,12367	3,0368
3,1014	1420,9	200	3,5	94,16691222	120,21325	49,609411	-79,39635	3,1014
3,166	1391,4	200	3,5	94,34597478	120,4803	49,342355	-79,6634	3,166
3,2307	1363,7	200	3,5	94,52168921	120,74236	49,080293	-79,92546	3,2307
3,2953	1335,5	200	3,5	94,69365574	120,99884	48,823819	-80,18194	3,2953
3,3599	1323,7	200	3,5	94,86228361	121,25033	48,572326	-80,43343	3,3599
3,4245	1313,9	200	3,5	95,02769998	121,49703	48,325622	-80,68013	3,4245
3,4891	1299,9	200	3,5	95,19002491	121,73913	48,083528	-80,92223	3,4891
3,5537	1264,8	200	3,5	95,34937182	121,97678	47,845876	-81,15988	3,5537
3,6183	1214,6	200	3	95,50584802	122,21015	47,112506	-81,89325	3,6183
3,6829	1198,6	200	3	95,65955511	122,43939	46,883265	-82,12249	3,6829
3,7476	1172,3	200	3	95,81082118	122,66499	46,657665	-82,34809	3,7476
3,8122	1124,7	200	3	95,95927011	122,88639	46,436266	-82,56949	3,8122
3,8768	1089,6	200	3	96,10522451	123,10407	46,218588	-82,78717	3,8768
3,9414	1054,2	200	3	96,24876682	123,31815	46,004507	-83,00125	3,9414
4,006	969,5	200	2,5	96,38997547	123,52875	45,293907	-83,71185	4,006
4,0706	1042,3	200	3	96,52892514	123,73598	45,586675	-83,41908	4,0706
4,1352	1078,9	200	3	96,66568696	123,93995	45,382707	-83,62305	4,1352
4,2645	1115,6	200	3,5	96,93311895	124,3388	45,483856	-83,5219	4,2645
4,3937	1123,7	200	3,5	97,19236458	124,72544	45,097213	-83,90854	4,3937
4,4583	1186,2	200	3,5	97,31914235	124,91452	44,908135	-84,09762	4,4583
4,5229	1245,2	200	4	97,44409629	125,10088	45,221778	-83,78398	4,5229
4,5875	1347,5	200	4,5	97,56727812	125,28459	45,538063	-83,46769	4,5875
4,6521	1468,9	200	5	97,68873741	125,46574	45,856917	-83,14884	4,6521
4,7168	1526,3	200	5	97,80870581	125,64466	45,677994	-83,32776	4,7168
4,7814	1486,1	200	5	97,92685812	125,82088	45,50178	-83,50398	4,7814
4,846	1452,8	200	5	98,04342477	125,99473	45,327931	-83,67783	4,846
4,9106	1418,3	200	5	98,15844776	126,16627	45,156385	-83,84937	4,9106

4,9752	1383,4	200	5	98,27196745	126,33558	44,98708	-84,01868	4,9752
5,0398	1342,5	200	4,5	98,38402262	126,5027	44,31996	-84,6858	5,0398
5,1044	1305,3	200	4,5	98,49465057	126,66769	44,154968	-84,85079	5,1044
5,169	1273,3	200	4,5	98,60388722	126,83061	43,992051	-85,01371	5,169
5,2337	1250,5	200	4,5	98,71193307	126,99175	43,83091	-85,17485	5,2337
5,2983	1225,1	200	4,5	98,81848748	127,15066	43,671993	-85,33376	5,2983
5,3629	1194,6	200	4	98,92375055	127,30765	43,015002	-85,99075	5,3629
5,4275	1169,5	200	4	99,02775322	127,46277	42,859892	-86,14587	5,4275
5,4921	1141,7	200	4	99,1305253	127,61604	42,706616	-86,29914	5,4921
5,5567	1109,1	200	4	99,23209558	127,76752	42,555133	-86,45062	5,5567
5,6213	1083,3	200	4	99,33249184	127,91726	42,405401	-86,60036	5,6213
5,6859	1065,2	200	4	99,43174092	128,06528	42,257379	-86,74838	5,6859
5,7506	1048,5	200	4	99,53001977	128,21185	42,110805	-86,89495	5,7506
5,8152	1027,2	200	4	99,62704969	128,35656	41,966093	-87,03966	5,8152
5,8798	1009,2	200	4	99,72300765	128,49968	41,82298	-87,18278	5,8798
5,9444	994,2	200	4	99,81791708	128,64123	41,681431	-87,32433	5,9444
6,009	977,3	200	4	99,91180065	128,78124	41,541412	-87,46434	6,009
6,0736	955,3	200	4	100,0046803	128,91977	41,40289	-87,60287	6,0736
6,1382	930,4	200	4	100,0965773	129,05682	41,265834	-87,73992	6,1382
6,2029	898,9	200	4	100,1876522	129,19265	41,130004	-87,87575	6,2029
6,2675	868,2	200	4	100,2776434	129,32687	40,995789	-88,00997	6,2675
6,3321	838,7	200	4	100,3667119	129,45971	40,862952	-88,1428	6,3321
6,3967	814,1	200	4	100,4548762	129,59119	40,731462	-88,27429	6,3967
6,4613	804,2	200	4	100,5421547	129,72136	40,601294	-88,40446	6,4613
6,5259	798,3	200	4	100,6285649	129,85024	40,472421	-88,53334	6,5259
6,5905	790,5	200	4	100,7141239	129,97784	40,344817	-88,66094	6,5905
6,6551	788,6	200	4	100,7988483	130,1042	40,218458	-88,7873	6,6551
6,7198	782,6	200	4	100,8828835	130,22953	40,093127	-88,91263	6,7198
6,7844	763	200	4	100,9659855	130,35347	39,969187	-89,03657	6,7844
6,849	743,8	200	4	101,0482999	130,47623	39,846423	-89,15933	6,849
6,9136	723	200	4	101,1298416	130,59785	39,72481	-89,28095	6,9136
6,9782	698,9	200	4	101,2106248	130,71833	39,604329	-89,40143	6,9782
7,0428	674,6	200	4	101,2906637	130,8377	39,484958	-89,5208	7,0428
7,1074	648,4	200	3,5	101,3699717	130,95598	38,866677	-90,13908	7,1074
7,172	618,2	200	3,5	101,4485622	131,07319	38,749466	-90,25629	7,172
7,2367	585,9	200	3,5	101,526568	131,18953	38,633128	-90,37263	7,2367
7,3013	547,6	200	3,5	101,6037604	131,30465	38,518002	-90,48775	7,3013
7,3659	501,5	200	3,5	101,6802729	131,41877	38,40389	-90,60187	7,3659
7,4305	453,1	200	3,5	101,7561173	131,53188	38,290775	-90,71498	7,4305
7,4951	434,4	200	3,5	101,8313052	131,64402	38,178639	-90,82712	7,4951
7,5597	413,7	200	3,5	101,9058478	131,75519	38,067465	-90,93829	7,5597
7,6243	386,4	200	3,5	101,9797561	131,86542	37,957237	-91,04852	7,6243
7,689	371,7	200	3,5	102,0531538	131,97489	37,847771	-91,15799	7,689
7,7536	356,8	200	3,5	102,1258244	132,08327	37,739389	-91,26637	7,7536
7,8182	337,7	200	3,5	102,1978921	132,19075	37,631906	-91,37385	7,8182
7,8828	323,1	200	3,5	102,2693667	132,29735	37,525308	-91,48045	7,8828
7,9474	302,5	200	3,5	102,340258	132,40308	37,41958	-91,58618	7,9474
8,012	273,6	200	3,5	102,4105754	132,50795	37,314708	-91,69105	8,012

8,0766	267,8	200	3,5	102,4803281	132,61198	37,210678	-91,79508	8,0766
8,1412	258,6	200	3,5	102,5495251	132,71518	37,107476	-91,89828	8,1412
8,2059	242,2	200	3,5	102,618281	132,81772	37,004933	-92,00082	8,2059
8,2705	244,1	200	3,5	102,6863919	132,91931	36,903351	-92,10241	8,2705
8,3351	251,1	200	3,5	102,7539729	133,0201	36,80256	-92,2032	8,3351
8,3997	259,6	200	3,5	102,8210321	133,12011	36,702547	-92,30321	8,3997
8,4643	268,6	200	3,5	102,8875775	133,21936	36,603301	-92,40246	8,4643
8,5289	281,3	200	3,5	102,953617	133,31785	36,504809	-92,50095	8,5289
8,5935	287,1	200	3,5	103,0191582	133,4156	36,40706	-92,5987	8,5935
8,6582	262,7	200	3,5	103,0843088	133,51276	36,309893	-92,69586	8,6582
8,7228	238,6	200	3,5	103,1488749	133,60906	36,213598	-92,79216	8,7228
8,7874	217,6	200	3,5	103,2129645	133,70464	36,118014	-92,88774	8,7874
8,852	194,8	200	3,5	103,2765847	133,79953	36,02313	-92,98263	8,852
8,9166	172,7	200	3,5	103,3397423	133,89372	35,928936	-93,07682	8,9166
8,9812	154,1	200	3,5	103,4024439	133,98723	35,835422	-93,17033	8,9812
9,0458	133,2	200	3,5	103,4646962	134,08008	35,742579	-93,26318	9,0458
9,1104	105,1	200	3,5	103,5265055	134,17226	35,650395	-93,35536	9,1104
9,1751	85,1	200	3,5	103,5879727	134,26393	35,558722	-93,44703	9,1751
9,2397	69,8	200	3,5	103,648914	134,35482	35,467834	-93,53792	9,2397
9,3043	51,4	200	3,5	103,7094307	134,44508	35,377578	-93,62818	9,3043
9,3689	38,3	200	3,5	103,7695286	134,53471	35,287948	-93,71781	9,3689
9,4335	27,1	200	3,5	103,8292136	134,62372	35,198933	-93,80682	9,4335
9,4981	18,3	200	3,5	103,8884913	134,71213	35,110525	-93,89523	9,4981
9,5627	12,5	200	3,5	103,9473672	134,79994	35,022717	-93,98304	9,5627
9,6273	7,8	200	3,5	104,0058467	134,88716	34,9355	-94,07026	9,6273
9,692	6	200	3,5	104,0640247	134,97392	34,848732	-94,15702	9,692
9,7566	6,6	200	3,5	104,1217266	135,05998	34,762675	-94,24308	9,7566
9,8212	6,9	200	3,5	104,1790477	135,14547	34,677186	-94,32857	9,8212
9,8858	6,6	200	3,5	104,235993	135,2304	34,592257	-94,4135	9,8858
9,9504	4,9	200	3,5	104,2925674	135,31478	34,507881	-94,49788	9,9504
10,015	3,9	200	3,5	104,3487756	135,39861	34,424051	-94,58171	10,015
10,0796	3,7	200	3,5	104,4046225	135,4819	34,340761	-94,665	10,0796
10,1443	2,5	200	3,5	104,4601983	135,56478	34,257874	-94,74788	10,1443
10,2089	1,5	200	3,5	104,5153356	135,64701	34,175642	-94,83011	10,2089
10,2735	1	200	3,5	104,5701251	135,72873	34,093928	-94,91183	10,2735
10,3381	3,7	200	4	104,6245711	135,80993	34,512726	-94,49303	10,3381
10,4027	3,9	200	4	104,6786781	135,89063	34,432031	-94,57373	10,4027
10,4673	0,8	200	4	104,73245	135,97082	34,351834	-94,65392	10,4673
10,5319	0	200	4	104,7858911	136,05052	34,272132	-94,73362	10,5319
10,5965	0	200	4	104,8390054	136,12974	34,192916	-94,81284	10,5965
10,6612	0	200	4	104,8918784	136,2086	34,114061	-94,8917	10,6612
10,7258	0	200	4	104,9443505	136,28685	34,035803	-94,96995	10,7258
10,7904	0	200	4	104,9965075	136,36464	33,958016	-95,04774	10,7904
10,855	0	200	4	105,0483531	136,44196	33,880693	-95,12506	10,855
10,9196	0	200	4	105,0998912	136,51883	33,803828	-95,20193	10,9196
10,9842	0	200	4	105,1511252	136,59524	33,727417	-95,27834	10,9842
11,0488	0	200	4	105,2020588	136,6712	33,651454	-95,3543	11,0488
11,1134	0	200	4	105,2526955	136,74672	33,575934	-95,42982	11,1134

11,1781	0	200	4	105,3031164	136,82192	33,500735	-95,50502	11,1781
11,2427	0	200	4	105,353169	136,89657	33,426086	-95,57967	11,2427
11,3073	0	200	4	105,4029349	136,97079	33,351865	-95,65389	11,3073
11,3719	0	200	4	105,4524172	137,04459	33,278066	-95,72769	11,3719
11,4365	0	200	4	105,5016193	137,11797	33,204686	-95,80107	11,4365
11,5011	0	200	4	105,5505442	137,19094	33,131718	-95,87404	11,5011
11,5657	0	200	4	105,599195	137,2635	33,05916	-95,9466	11,5657
11,6304	0	200	4	105,6476496	137,33576	32,986894	-96,01886	11,6304
11,695	0	200	4	105,6957611	137,40752	32,91514	-96,09062	11,695
11,7596	0	200	4	105,7436076	137,47888	32,843781	-96,16198	11,7596
11,8242	0	200	4	105,7911919	137,54984	32,772813	-96,23294	11,8242
11,8888	0	200	4	105,838517	137,62042	32,702232	-96,30352	11,8888
11,9534	0	200	4	105,8855856	137,69062	32,632033	-96,37372	11,9534
12,018	0	200	4	105,9324006	137,76044	32,562213	-96,44354	12,018
12,0826	0	200	4	105,9789645	137,82989	32,492767	-96,51299	12,0826
12,1473	0	200	4	106,0253517	137,89907	32,423584	-96,58217	12,1473
12,2119	0	200	4	106,0714214	137,96778	32,354876	-96,65088	12,2119
12,2765	0	200	4	106,1172479	138,03613	32,286529	-96,71923	12,2765
12,3411	0	200	4	106,162834	138,10412	32,218542	-96,78721	12,3411
12,4057	0	200	4	106,2081821	138,17175	32,150909	-96,85485	12,4057
12,4703	0	200	4	106,2532946	138,23903	32,083628	-96,92213	12,4703
12,5349	0	200	4	106,298174	138,30596	32,016694	-96,98906	12,5349
12,5995	0	200	4,5	106,3428228	138,37255	32,450104	-96,55565	12,5995
12,6642	0	200	4,5	106,3873118	138,4389	32,383753	-96,622	12,6642
12,7288	0	200	4,5	106,4315058	138,50482	32,317841	-96,68792	12,7288
12,7934	0	200	4,5	106,4754761	138,57039	32,252263	-96,75349	12,7934
12,858	0	200	4,5	106,519225	138,63564	32,187016	-96,81874	12,858
12,9226	0	200	4,5	106,5627546	138,70056	32,122095	-96,88366	12,9226
13,2503	0	200	4,5	106,7802708	139,02497	31,797689	-97,20807	13,2503
13,3169	0	200	4,5	106,8238193	139,08992	31,73274	-97,27302	13,3169

Perfil Topográfico Estación Avila-5 320°



