

<b>Ganancia antena tx</b>	5
<b>Campo minimo Servicio</b>	42,395757
<b>Campo minimo proteccion</b>	30,375157
<b>Limite de Perfil</b>	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)
0,00	2056,90	45,00	5	0	0	171,32266	42,3169	0
0,0594	2084,1	30,00	1,5	59,81148547	73,744158	94,078498	-34,92726	0,0594
0,1188	2087,8	30,00	5	65,83208539	84,347896	86,97476	-42,031	0,1188
0,1782	2091,4	30,00	5	69,35391057	90,550686	80,771971	-48,23379	0,1782
0,2375	2068,8	33,10	5	71,84902885	94,529633	76,793024	-52,21273	0,2375
0,2969	2031,5	70,40	3,5	73,78796052	94,520174	75,302482	-53,70327	0,2969
0,3563	1995,6	106,30	1,5	75,37207302	95,170114	72,652542	-56,35321	0,3563
0,4157	1961,5	140,40	1	76,71135706	95,919735	71,402921	-57,60284	0,4157
0,4751	1927,2	174,70	1	77,87145718	96,597394	70,725263	-58,28049	0,4751
0,5345	1896,2	200,00	0	78,89471076	97,43609	68,886566	-60,11919	0,5345
0,5938	1865,3	200,00	0	79,80856044	98,799017	67,523639	-61,48212	0,5938
0,6532	1836	200,00	0	80,63668009	100,03409	66,288571	-62,71719	0,6532

0,7126	1807,6	200,00	0	81,39267293	101,16158	65,161074	-63,84468	0,7126
0,772	1782,3	200,00	0	82,08810258	102,19876	64,123901	-64,88186	0,772
0,8314	1765,1	200,00	0	82,73195698	103,15901	63,163649	-65,84211	0,8314
0,8908	1747,9	200,00	0	83,33136074	104,05297	62,26969	-66,73607	0,8908
0,9502	1727,3	200,00	0	83,89205709	104,8892	61,433461	-67,5723	0,9502
1,0095	1706,4	200,00	0	84,41788304	105,67342	60,649237	-68,35652	1,0095
1,0689	1693,6	200,00	0	84,91449811	106,41408	59,908579	-69,09718	1,0689
1,1283	1686,8	200,00	1	85,38424834	107,11467	60,207988	-68,79777	1,1283
1,1877	1682,8	200,00	1	85,8298917	107,77931	59,54335	-69,46241	1,1877
1,2471	1684,3	200,00	1	86,25378216	108,4115	58,911154	-70,0946	1,2471
1,3065	1685,7	200,00	1,5	86,65794485	109,01428	58,808381	-70,19738	1,3065
1,3658	1695	200,00	1,5	87,04349874	109,5893	58,233361	-70,7724	1,3658
1,4252	1704,5	200,00	2,5	87,41327285	110,14078	58,681875	-70,32388	1,4252
1,4846	1714,4	200,00	3	87,7679457	110,66975	58,652911	-70,35285	1,4846
1,544	1725,2	200,00	3	88,10870249	111,17795	58,144702	-70,86105	1,544
1,6034	1732,7	200,00	3,5	88,43659416	111,66698	58,15568	-70,85008	1,6034
1,6628	1730,3	200,00	3,5	88,75255689	112,13821	57,68445	-71,32131	1,6628
1,7222	1727,9	200,00	3,5	89,05742827	112,5929	57,229761	-71,776	1,7222
1,7815	1719,7	200,00	3,5	89,35147311	113,03144	56,791218	-72,21454	1,7815
1,8409	1711,4	200,00	3,5	89,63636053	113,45632	56,366334	-72,63942	1,8409
1,9003	1715,5	200,00	4	89,91219994	113,86771	56,454943	-72,55081	1,9003
1,9597	1730,4	200,00	4	90,17954843	114,26644	56,056216	-72,94954	1,9597
2,0191	1747,2	200,00	4	90,43891315	114,65326	55,669397	-73,33636	2,0191
2,0785	1770,5	200,00	4,5	90,69075715	115,02886	55,793793	-73,21196	2,0785
2,1379	1793,9	200,00	5	90,93550432	115,39388	55,928774	-73,07698	2,1379
2,1972	1807,4	200,00	5	91,17314838	115,74831	55,574349	-73,43141	2,1972
2,2566	1819,1	200,00	5	91,40484825	116,09387	55,228789	-73,77697	2,2566
2,316	1825	200,00	5	91,63052767	116,43045	54,892208	-74,11355	2,316
2,3754	1825,6	200,00	5	91,85049162	116,75851	54,56415	-74,44161	2,3754
2,4348	1817,5	200,00	5	92,06502243	117,07846	54,244197	-74,76156	2,4348
2,4942	1774,7	200,00	5	92,27438207	117,3907	53,931955	-75,0738	2,4942
2,5535	1731,6	200,00	5	92,47847382	117,69509	53,62757	-75,37819	2,5535
2,6129	1674,4	200,00	4,5	92,67821235	117,99298	52,829677	-76,17608	2,6129
2,6723	1614,2	200,00	4	92,87346081	118,28418	52,038481	-76,96728	2,6723
2,7317	1555,2	200,00	4	93,06441663	118,56897	51,753687	-77,25207	2,7317
2,7911	1498,3	200,00	3,5	93,25126451	118,84764	50,97502	-78,03074	2,7911
2,8505	1443,6	200,00	3,5	93,43417748	119,12044	50,702221	-78,30354	2,8505
2,9099	1399,5	200,00	3	93,61331786	119,38761	49,935049	-79,07071	2,9099
2,9692	1355,8	200,00	3	93,78854561	119,64894	49,673712	-79,33204	2,9692
3,0286	1300	200,00	3	93,96059493	119,90554	49,417116	-79,58864	3,0286
3,2068	1280	200,00	3	94,45719407	120,64618	48,676481	-80,32928	3,2068
3,2662	1275	200,00	3	94,61661206	120,88393	48,438723	-80,56703	3,2662
3,3255	1260	200,00	3	94,77289562	121,11702	48,20564	-80,80012	3,3255
3,3849	1220	200,00	3	94,92667343	121,34636	47,976294	-81,02946	3,3849
3,4443	1200	200,00	3	95,07777601	121,57172	47,750938	-81,25482	3,4443
3,5037	1240	200,00	3	95,22629484	121,79322	47,529435	-81,47632	3,5037
3,5631	1210	200,00	3	95,3723168	122,011	47,311656	-81,6941	3,5631
3,6225	1190	200,00	3	95,51592446	122,22518	47,097477	-81,90828	3,6225

3,6819	1150	200,00	3	95,65719635	122,43587	46,886783	-82,11897	3,6819
3,7412	1125	200,00	3	95,79597509	122,64285	46,679806	-82,32595	3,7412
3,8006	1099	200,00	3	95,93279985	122,84691	46,475744	-82,53001	3,8006
3,86	1070	200,00	3	96,06750267	123,04781	46,274847	-82,73091	3,86
3,9194	1050	200,00	3	96,20014834	123,24564	46,077017	-82,92874	3,9194
3,9788	1000,6	200,00	3	96,33079876	123,44049	45,882164	-83,12359	3,9788
4,0382	988,2	200,00	3	96,45951306	123,63246	45,690197	-83,31556	4,0382
4,0975	964,6	200,00	2,5	96,58613582	123,82131	45,001351	-84,00441	4,0975
4,1569	934,9	200,00	2,5	96,71114811	124,00775	44,814906	-84,19085	4,1569
4,2163	905,2	200,00	2,5	96,83438666	124,19155	44,631106	-84,37465	4,2163
4,2757	878,9	200,00	2,5	96,95590109	124,37278	44,449878	-84,55588	4,2757
4,3351	853,9	200,00	2,5	97,07573897	124,55151	44,27115	-84,73461	4,3351
4,3945	824,2	200,00	2,5	97,19394595	124,7278	44,094855	-84,9109	4,3945
4,4539	787,6	200,00	2,5	97,31056581	124,90173	43,920927	-85,08483	4,4539
4,5132	751,8	200,00	1,5	97,42544816	125,07307	42,74959	-86,25617	4,5132
4,5726	720,7	200,00	1,5	97,53902081	125,24245	42,580206	-86,42555	4,5726
4,632	690,1	200,00	1,5	97,65112759	125,40965	42,413008	-86,59275	4,632
4,6914	675,1	200,00	1,5	97,76180584	125,57472	42,247942	-86,75782	4,6914
4,7508	666,4	200,00	1,5	97,87109153	125,73771	42,084951	-86,92081	4,7508
4,8102	662,6	200,00	1,5	97,97901925	125,89867	41,923987	-87,08177	4,8102
4,8696	665,6	200,00	2,5	98,08562235	126,05766	42,764997	-86,24076	4,8696
4,9289	669,3	200,00	2,5	98,19075671	126,21446	42,608199	-86,39756	4,9289
4,9883	676,4	200,00	2,5	98,29480786	126,36964	42,453016	-86,55274	4,9883
5,0477	683,1	200,00	2,5	98,39762728	126,52299	42,299669	-86,70609	5,0477
5,1071	689,4	200,00	3	98,49924381	126,67454	42,648117	-86,35764	5,1071
5,1665	695,1	200,00	3	98,59968525	126,82434	42,498318	-86,50744	5,1665
5,2259	700	200,00	3	98,69897847	126,97243	42,35023	-86,65553	5,2259
5,2852	703,6	200,00	3	98,7969851	127,11859	42,204062	-86,80169	5,2852
5,3446	706,5	200,00	3	98,89406072	127,26337	42,059282	-86,94647	5,3446
5,404	692,2	200,00	3	98,99006338	127,40655	41,916103	-87,08965	5,404
5,4634	677,7	200,00	3	99,08501654	127,54817	41,774488	-87,23127	5,4634
5,5228	665,5	200,00	3	99,1789429	127,68825	41,634405	-87,37135	5,5228
5,5822	654,1	200,00	3	99,27186442	127,82684	41,495821	-87,50994	5,5822
5,6416	642,2	200,00	3	99,36380239	127,96395	41,358704	-87,64705	5,6416
5,7009	629,9	200,00	3	99,45462503	128,09941	41,22325	-87,78251	5,7009
5,7603	617,7	200,00	3	99,54465862	128,23368	41,088972	-87,91678	5,7603
5,8197	598,7	200,00	3	99,63376853	128,36658	40,956073	-88,04968	5,8197
5,8791	579,7	200,00	3	99,72197352	128,49813	40,824523	-88,18123	5,8791
5,9385	571,7	200,00	3	99,80929179	128,62836	40,694295	-88,31146	5,9385
5,9979	568,8	200,00	3	99,89574099	128,75729	40,565364	-88,44039	5,9979
6,0572	565,3	200,00	3	99,98119485	128,88474	40,437917	-88,56784	6,0572
6,1166	562,4	200,00	3	100,0659582	129,01116	40,3115	-88,69426	6,1166
6,176	559,4	200,00	3	100,1499023	129,13635	40,186304	-88,81945	6,176
6,2354	548,7	200,00	3	100,2330429	129,26035	40,062307	-88,94345	6,2354
6,2948	538,3	200,00	3	100,3153953	129,38317	39,939486	-89,06627	6,2948
6,3542	535,7	200,00	3	100,3969742	129,50484	39,817818	-89,18794	6,3542
6,4136	537,6	200,00	3	100,477794	129,62537	39,697282	-89,30847	6,4136
6,4729	531,6	200,00	3	100,5577345	129,7446	39,578058	-89,4277	6,4729

6,5323	507,5	200,00	3	100,637079	129,86293	39,459723	-89,54603	6,5323
6,5917	482,5	200,00	3	100,7157052	129,9802	39,342459	-89,6633	6,5917
6,6511	457	200,00	3	100,7936261	130,09641	39,226246	-89,77951	6,6511
6,7105	431,2	200,00	3	100,8708542	130,21159	39,111067	-89,89469	6,7105
6,7699	403,2	200,00	3	100,9474016	130,32575	38,996904	-90,00885	6,7699
6,8292	374,2	200,00	3	101,0231532	130,43873	38,883927	-90,12183	6,8292
6,8886	348,2	200,00	3	101,0983759	130,55092	38,771739	-90,23402	6,8886
6,948	328,2	200,00	3	101,1729528	130,66214	38,660514	-90,34524	6,948
7,0074	308,1	200,00	3	101,2468947	130,77242	38,550236	-90,45552	7,0074
7,0668	286,9	200,00	3	101,3202126	130,88177	38,440889	-90,56487	7,0668
7,1262	265,6	200,00	3	101,3929167	130,9902	38,332457	-90,6733	7,1262
7,1856	243,5	200,00	3	101,4650173	131,09773	38,224925	-90,78083	7,1856
7,2449	220,5	200,00	3	101,5364045	131,2042	38,118457	-90,8873	7,2449
7,3043	196,7	200,00	3	101,6073286	131,30998	38,01268	-90,99308	7,3043
7,3637	171,1	200,00	3	101,6776783	131,4149	37,90776	-91,098	7,3637
7,4231	145,5	200,00	3	101,7474628	131,51897	37,803682	-91,20207	7,4231
7,4825	119,3	200,00	3	101,8166911	131,62222	37,700434	-91,30532	7,4825
7,5419	92,9	200,00	3	101,885372	131,72465	37,598003	-91,40775	7,5419
7,6012	67,3	200,00	3	101,9533998	131,82611	37,496545	-91,50921	7,6012
7,6606	42,4	200,00	3	102,0210123	131,92695	37,395707	-91,61005	7,6606
7,72	21,2	200,00	3	102,0881026	132,02701	37,295648	-91,71011	7,72
7,7794	12,7	200,00	3	102,1546786	132,1263	37,196355	-91,8094	7,7794
7,8388	4,2	200,00	3	102,2207483	132,22484	37,097818	-91,90794	7,8388
7,8982	2,1	200,00	3	102,2863191	132,32263	37,000025	-92,00573	7,8982
7,9576	0,7	200,00	3	102,3513987	132,41969	36,902965	-92,10279	7,9576
8,0169	0	200,00	3	102,4158859	132,51587	36,806788	-92,19897	8,0169
8,0763	0	200,00	3	102,4800054	132,6115	36,711159	-92,2946	8,0763
8,1357	0	200,00	3	102,5436551	132,70643	36,616231	-92,38953	8,1357
8,1951	0	200,00	3	102,6068417	132,80066	36,521994	-92,48376	8,1951
8,2545	0	200,00	3	102,669572	132,89422	36,428437	-92,57732	8,2545
8,3139	0	200,00	3	102,7318525	132,98711	36,335551	-92,67021	8,3139
8,3733	0	200,00	3	102,7936896	133,07933	36,243326	-92,76243	8,3733
8,4326	0	200,00	3	102,8549866	133,17075	36,151907	-92,85385	8,4326
8,492	0	200,00	3	102,9159563	133,26168	36,060976	-92,94478	8,492
8,5514	0	200,00	3	102,976501	133,35198	35,970679	-93,03508	8,5514
8,6108	0	200,00	3	103,0366266	133,44165	35,881007	-93,12475	8,6108
8,6702	0	200,00	3	103,0963389	133,53071	35,791951	-93,21381	8,6702
8,7296	0	200,00	3	103,1556435	133,61915	35,703504	-93,30225	8,7296
8,7889	0	200,00	3,5	103,214447	133,70685	36,115803	-92,88995	8,7889
8,8483	0	200,00	3,5	103,2729534	133,79411	36,028546	-92,97721	8,8483
8,9077	0	200,00	3,5	103,3310682	133,88078	35,941873	-93,06388	8,9077
8,9671	0	200,00	3,5	103,3887968	133,96688	35,855776	-93,14998	8,9671
9,0265	0	200,00	3,5	103,4461443	134,05241	35,770247	-93,23551	9,0265
9,0859	0	200,00	3,5	103,5031156	134,13738	35,685279	-93,32048	9,0859
9,1453	0	200,00	3,5	103,5597157	134,22179	35,600865	-93,40489	9,1453
9,2046	0	200,00	3,5	103,615855	134,30552	35,517138	-93,48862	9,2046
9,264	0	200,00	3,5	103,6717275	134,38885	35,433809	-93,57195	9,264
9,3234	0	200,00	3,5	103,7272429	134,47164	35,351013	-93,65474	9,3234

9,3828	0	200,00	3,5	103,7824058	134,55391	35,268742	-93,73701	9,3828
9,4422	0	200,00	3,5	103,8372205	134,63567	35,186991	-93,81877	9,4422
9,5016	0	200,00	3,5	103,8916914	134,7169	35,105752	-93,9	9,5016
9,5609	0	200,00	3,5	103,9457321	134,7975	35,025156	-93,9806	9,5609
9,6203	0	200,00	3,5	103,9995289	134,87773	34,944922	-94,06083	9,6203
9,6797	0	200,00	3,5	104,0529945	134,95747	34,865183	-94,14057	9,6797
9,7391	0	200,00	3,5	104,1061331	135,03673	34,785931	-94,21983	9,7391
9,7985	0	200,00	3,5	104,1589485	135,11549	34,707162	-94,29859	9,7985
9,8579	0	200,00	3,5	104,2114447	135,19379	34,628868	-94,37689	9,8579
9,9173	0	200,00	3,5	104,2636256	135,27161	34,551045	-94,45471	9,9173
9,9766	0	200,00	3,5	104,3154078	135,34884	34,473817	-94,53194	9,9766
10,036	0	200,00	3,5	104,3669696	135,42574	34,396917	-94,60884	10,036
10,0954	0	200,00	3,5	104,4182272	135,50219	34,32047	-94,68529	10,0954
10,1548	0	200,00	3,5	104,4691841	135,57818	34,244473	-94,76128	10,1548
10,2142	0	200,00	3,5	104,5198437	135,65374	34,168918	-94,83684	10,2142
10,2736	0	200,00	3,5	104,5702096	135,72885	34,093802	-94,91195	10,2736
10,3329	0	200,00	4	104,6202011	135,80341	34,519244	-94,48651	10,3329
10,3923	0	200,00	4	104,6699901	135,87767	34,444988	-94,56077	10,3923
10,4517	0	200,00	4	104,7194953	135,9515	34,371155	-94,6346	10,4517
10,5111	0	200,00	4	104,7687199	136,02492	34,297741	-94,70802	10,5111
10,5705	0	200,00	4	104,8176672	136,09792	34,22474	-94,78102	10,5705
10,6299	0	200,00	4	104,8663402	136,17051	34,152149	-94,85361	10,6299
10,6893	0	200,00	4	104,9147419	136,24269	34,079962	-94,92579	10,6893
10,7486	0	200,00	4	104,9627946	136,31436	34,008296	-94,99746	10,7486
10,808	0	200,00	4	105,0106633	136,38575	33,936904	-95,06885	10,808
10,8674	0	200,00	4	105,0582696	136,45675	33,865903	-95,13985	10,8674
10,9268	0	200,00	4	105,1056165	136,52737	33,795289	-95,21047	10,9268
10,9862	0	200,00	4	105,1527066	136,5976	33,725058	-95,2807	10,9862
11,0456	0	200,00	4	105,1995428	136,66745	33,655206	-95,35055	11,0456
11,105	0	200,00	4	105,2461278	136,73693	33,585729	-95,42003	11,105
11,1643	0	200,00	4	105,2923865	136,80592	33,516738	-95,48902	11,1643
11,2237	0	200,00	4	105,3384776	136,87466	33,447997	-95,55776	11,2237
11,2831	0	200,00	4	105,3843253	136,94304	33,379619	-95,62614	11,2831
11,3425	0	200,00	4	105,4299323	137,01106	33,3116	-95,69416	11,3425
11,4019	0	200,00	4	105,4753011	137,07872	33,243937	-95,76182	11,4019
11,4613	0	200,00	4	105,5204342	137,14603	33,176625	-95,82913	11,4613
11,5206	0	200,00	4	105,5652585	137,21288	33,109773	-95,89598	11,5206
11,58	0	200,00	4	105,6099278	137,2795	33,043153	-95,9626	11,58
11,6394	0	200,00	4	105,6543684	137,34578	32,976874	-96,02888	11,6394
11,6988	0	200,00	4	105,6985829	137,41173	32,910932	-96,09482	11,6988
11,7582	0	200,00	4	105,7425734	137,47733	32,845324	-96,16043	11,7582
11,8176	0	200,00	4	105,7863423	137,54261	32,780046	-96,22571	11,8176
11,877	0	200,00	4	105,8298917	137,60756	32,715096	-96,29066	11,877
9,6269	0	200,00	3,5	104,0054858	134,88662	34,936038	-94,06972	9,6269
9,6753	0	200,00	3,5	104,0490454	134,95158	34,871073	-94,13468	9,6753

### Perfil Topográfico Avila-5 10°



















