

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
0,0472	2079	30	-2	57,81459655	70,227152	94,095505	-34,91025	0,0472
0,0943	2088,5	30	5	63,82599043	80,814676	90,507981	-38,49778	0,0943
0,1415	2089,8	30	5	67,35088537	87,022872	84,299785	-44,70597	0,1415
0,1886	2089,8	30	5	69,84659034	91,418414	79,904242	-49,10151	0,1886
0,2358	2071,3	30,6	5	71,78663259	94,751791	76,570866	-52,43489	0,2358
0,2829	2038,8	63,1	3,5	73,36841552	94,318436	75,50422	-53,50154	0,2829
0,3301	2006,5	95,4	2,5	74,70866706	94,622257	74,200399	-54,80536	0,3301
0,3772	1978,2	123,7	1,5	75,86719025	95,225783	72,596874	-56,40888	0,3772
0,4244	1955,4	146,5	1	76,89126408	95,986875	71,335782	-57,66997	0,4244
0,4715	1933,3	168,6	1	77,80539051	96,677895	70,644762	-58,36099	0,4715
0,5187	1911,7	190,2	1	78,63408153	97,308186	70,01447	-58,99129	0,5187
0,5658	1889,1	200	0	79,38901544	98,173303	68,149354	-60,8564	0,5658
0,613	1865,8	200	0	80,08496606	99,211252	67,111404	-61,89435	0,613
0,6601	1841,8	200	0	80,72795123	100,17021	66,152448	-62,85331	0,6601
0,7073	1817	200	0	81,32782973	101,06487	65,257782	-63,74797	0,7073
0,7545	1793,4	200	0	81,88894146	101,90172	64,420933	-64,58482	0,7545
0,8016	1770	200	0	82,41491074	102,68616	63,636495	-65,36926	0,8016
0,8488	1746,3	200	-1	82,91186399	103,42732	61,895333	-67,11042	0,8488
0,8959	1720,7	200	-1	83,3809473	104,12692	61,195736	-67,81002	0,8959
0,9431	1693,3	200	-1	83,82691147	104,79204	60,53062	-68,47514	0,9431
0,9902	1671,5	200	-1	84,25021501	105,42336	59,899299	-69,10646	0,9902
1,0374	1648,1	200	-1	84,65468145	106,02658	59,296073	-69,70968	1,0374
1,0845	1622,9	200	-1	85,0403477	106,60177	58,720885	-70,28487	1,0845
1,1317	1601,9	200	-1	85,41038289	107,15365	58,16901	-70,83675	1,1317
1,1788	1580,9	200	-1	85,76455912	107,68187	57,640787	-71,36497	1,1788
1,226	1561,9	200	-1	86,10556598	108,19045	57,132205	-71,87355	1,226

1,2731	1546,9	200	-1	86,43300694	108,6788	56,643856	-72,3619	1,2731
1,3203	1532	200	-1	86,74920904	109,15039	56,172268	-72,83349	1,3203
1,3675	1516,6	200	-1	87,05430327	109,60541	55,717247	-73,28851	1,3675
1,4146	1504,6	200	-1	87,34842965	110,04407	55,278583	-73,72717	1,4146
1,4618	1493,2	200	-1	87,63351572	110,46925	54,853402	-74,15235	1,4618
1,5089	1480,7	200	0	87,90896574	110,88006	55,442592	-73,56316	1,5089
1,5561	1471,6	200	0	88,17650663	111,27908	55,043578	-73,96218	1,5561
1,6032	1462,7	200	0	88,43551066	111,66536	54,657296	-74,34846	1,6032
1,6504	1451	200	0	88,68754087	112,04124	54,281415	-74,72434	1,6504
1,6975	1443,6	200	0	88,93195223	112,40576	53,916897	-75,08886	1,6975
1,7447	1443,3	200	0	89,17017179	112,76104	53,561613	-75,44414	1,7447
1,7918	1440,9	200	1	89,40154722	113,10612	54,216537	-74,78922	1,7918
1,839	1438,1	200	1	89,62739116	113,44295	53,879711	-75,12605	1,839
1,8861	1436,8	200	1	89,84705087	113,77055	53,552107	-75,45365	1,8861
1,9333	1434,8	200	1	90,06174159	114,09074	53,231915	-75,77384	1,9333
1,9804	1434	200	1	90,27081493	114,40256	52,9201	-76,08566	1,9804
2,0276	1435,5	200	1,5	90,47540222	114,70768	53,114976	-75,89078	2,0276
2,0748	1434,8	200	1,5	90,67528136	115,00578	52,816874	-76,18888	2,0748
2,1219	1431,2	200	1,5	90,87025483	115,29657	52,526088	-76,47967	2,1219
2,1691	1422,3	200	1,5	91,06134806	115,58157	52,241089	-76,76467	2,1691
2,2162	1416	200	1,5	91,24793558	115,85985	51,96281	-77,04295	2,2162
2,2634	1410,3	200	1,5	91,4309828	116,13285	51,689811	-77,31595	2,2634
2,3105	1419,6	200	2,5	91,60987603	116,39965	52,423008	-76,58275	2,3105
2,3577	1427,8	200	2,5	91,78552744	116,66162	52,161039	-76,84472	2,3577
2,4048	1434,9	200	2,5	91,95733584	116,91785	51,904802	-77,10095	2,4048
2,452	1438,8	200	3	92,12616589	117,16965	52,153006	-76,85275	2,452
2,4991	1442	200	3	92,29142926	117,41613	51,906531	-77,09923	2,4991
2,5463	1444,6	200	3	92,45394797	117,65851	51,664148	-77,34161	2,5463
2,5934	1448,4	200	3	92,6131467	117,89594	51,426717	-77,57904	2,5934
2,6406	1464,6	200	3	92,76980895	118,12959	51,193069	-77,81269	2,6406
2,6878	1457	200	3,5	92,92369556	118,3591	51,463561	-77,5422	2,6878
2,7349	1425	200	3	93,0745856	118,58414	50,738521	-78,26724	2,7349
2,7821	1398,4	200	3	93,2232113	118,8058	50,516859	-78,4889	2,7821
2,8292	1375	200	3	93,36902956	119,02327	50,299384	-78,70637	2,8292
2,8764	1372,1	200	3	93,51274217	119,23761	50,085049	-78,92071	2,8764
2,9235	1361,4	200	3	93,65381854	119,44801	49,874646	-79,13111	2,9235
2,9707	1357,2	200	3	93,7929325	119,65549	49,66717	-79,33859	2,9707
3,0178	1365,3	200	3	93,92956566	119,85926	49,463393	-79,54236	3,0178
3,065	1357,7	200	3	94,06436615	120,06031	49,26235	-79,74341	3,065
3,1121	1354,7	200	3	94,19682744	120,25786	49,064796	-79,94096	3,1121
3,1593	1342,9	200	3	94,32757392	120,45286	48,869799	-80,13596	3,1593
3,2064	1319,9	200	3	94,45611057	120,64456	48,678097	-80,32766	3,2064
3,2536	1299,8	200	3	94,58303976	120,83386	48,488794	-80,51696	3,2536
3,3007	1282,1	200	3	94,70787764	121,02005	48,302609	-80,70315	3,3007
3,3479	1263,6	200	3	94,83120612	121,20398	48,118675	-80,88708	3,3479
3,3951	1244,5	200	3	94,95280799	121,38534	47,937317	-81,06844	3,3951
3,4422	1225,7	200	3	95,07247858	121,56382	47,758838	-81,24692	3,4422
3,4894	1208,6	200	3	95,19077171	121,74024	47,582414	-81,42334	3,4894

3,5365	1190,1	200	3	95,30722982	121,91393	47,408727	-81,59703	3,5365
3,5837	1171,3	200	3	95,42238951	122,08568	47,236977	-81,76878	3,5837
3,6308	1160,5	200	3	95,53580311	122,25483	47,06783	-81,93793	3,6308
3,678	1155	200	3	95,64799107	122,42214	46,900512	-82,10524	3,678
3,7251	1149,6	200	3	95,75851529	122,58698	46,735674	-82,27008	3,7251
3,7723	1145,2	200	3	95,86788105	122,75009	46,572565	-82,43319	3,7723
3,8194	1142,1	200	3	95,97565945	122,91083	46,411823	-82,59393	3,8194
3,8666	1140,2	200	3	96,08234151	123,06994	46,252716	-82,75304	3,8666
3,9137	1135,1	200	3	96,18750722	123,22679	46,09587	-82,90989	3,9137
3,9609	1129	200	3	96,29163413	123,38208	45,940574	-83,06518	3,9609
4,008	1121,9	200	3	96,39431083	123,53522	45,787441	-83,21832	4,008
4,0552	1116,8	200	3	96,49600214	123,68688	45,635777	-83,36998	4,0552
4,1024	1111,7	200	3	96,59651664	123,83679	45,485869	-83,51989	4,1024
4,1495	1105	200	3	96,69567195	123,98467	45,337987	-83,66777	4,1495
4,1967	1092,4	200	3	96,79391507	124,13119	45,191466	-83,81429	4,1967
4,2438	1074,6	200	3	96,89085474	124,27577	45,046889	-83,95887	4,2438
4,291	1052,5	200	3	96,98692686	124,41905	44,903606	-84,10215	4,291
4,3381	1033,2	200	3	97,08174775	124,56047	44,762189	-84,24357	4,3381
4,3853	1016,7	200	3	97,17574275	124,70065	44,622003	-84,38375	4,3853
4,4324	999,9	200	3	97,2685355	124,83905	44,483611	-84,52215	4,4324
4,4796	878,5	200	3	97,36054129	124,97626	44,346393	-84,65936	4,4796
4,5267	845,3	200	2,5	97,45139084	125,11176	43,710898	-85,29486	4,5267
4,5739	825,4	200	2,5	97,54148988	125,24613	43,576524	-85,42923	4,5739
4,621	801,2	200	2,5	97,63047594	125,37885	43,443809	-85,56195	4,621
4,6682	754,1	200	2,5	97,71874566	125,51049	43,312162	-85,69359	4,6682
4,7154	712,3	200	2,5	97,80612736	125,64082	43,18184	-85,82392	4,7154
4,8568	675,4	200	2,5	98,06276097	126,02356	42,799093	-86,20666	4,8568
4,904	624,9	200	1,5	98,1467658	126,14885	41,673807	-87,33195	4,904
4,9511	605,2	200	1,5	98,22979053	126,27267	41,549983	-87,45577	4,9511
5,0454	578,9	200	1,5	98,39366863	126,51708	41,305573	-87,70018	5,0454
5,0926	545,2	200	1,5	98,47454789	126,63771	41,184949	-87,82081	5,0926
5,1869	498,6	200	1,5	98,63391408	126,87539	40,947268	-88,05849	5,1869
5,234	465,2	200	1,5	98,71243094	126,99249	40,830167	-88,17559	5,234
5,3283	441,7	200	1,5	98,86752995	127,22381	40,598851	-88,40691	5,3283
5,3755	458,6	200	1,5	98,9441339	127,33805	40,484602	-88,52115	5,3755
5,4227	463,2	200	1,5	99,02006815	127,4513	40,371353	-88,6344	5,4227
5,4698	468	200	1,5	99,09518551	127,56333	40,259322	-88,74643	5,4698
5,517	475,4	200	2,5	99,16981625	127,67464	41,148017	-87,85774	5,517
5,5641	483	200	2,5	99,24365511	127,78476	41,037893	-87,96786	5,5641
5,6113	487,1	200	2,5	99,31702634	127,89419	40,928466	-88,07729	5,6113
5,6584	472,6	200	2,5	99,38962947	128,00247	40,820185	-88,18557	5,6584
5,7056	451,7	200	2,5	99,461783	128,11008	40,712574	-88,29318	5,7056
5,7527	432,6	200	2,5	99,5331911	128,21658	40,606075	-88,39968	5,7527
5,7999	404,3	200	2,5	99,60416669	128,32244	40,500221	-88,50554	5,7999
5,847	370,8	200	2,5	99,67441845	128,42721	40,395447	-88,61031	5,847
5,8942	338,8	200	1,5	99,74425393	128,53136	39,291293	-89,71446	5,8942
5,9413	316,6	200	1,5	99,81338622	128,63447	39,188189	-89,81757	5,9413
5,9885	303,3	200	1,5	99,88211765	128,73698	39,085682	-89,92007	5,9885

6,0356	289,6	200	1,5	99,95016557	128,83846	38,984194	-90,02156	6,0356
6,0828	280,2	200	1,5	100,0178273	128,93937	38,883283	-90,12247	6,0828
6,13	276,1	200	1,5	100,0849661	129,03951	38,783151	-90,22261	6,13
6,1771	270	200	1,5	100,1514492	129,13866	38,683997	-90,32176	6,1771
6,2243	258,9	200	2,5	100,2175669	129,23727	39,585388	-89,42037	6,2243
6,2714	240,5	200	1,5	100,2830466	129,33493	38,487731	-90,51803	6,2714
6,3186	223,1	200	1,5	100,3481738	129,43206	38,3906	-90,61516	6,3186
6,3657	210	200	1,5	100,4126799	129,52826	38,294394	-90,71136	6,3657
6,4129	212,7	200	2,5	100,4768459	129,62396	39,198696	-89,80706	6,4129
6,46	218,2	200	2,5	100,5404069	129,71876	39,103901	-89,90186	6,46
6,5072	226,4	200	2,5	100,6036397	129,81306	39,009595	-89,99616	6,5072
6,5543	230,1	200	2,5	100,6662829	129,90649	38,916168	-90,08959	6,5543
6,6015	231,2	200	2,5	100,7286091	129,99944	38,823214	-90,18254	6,6015
6,6486	231,3	200	2,5	100,7903607	130,09154	38,731116	-90,27464	6,6486
6,6958	219,1	200	2,5	100,851806	130,18318	38,639476	-90,36628	6,6958
6,743	205,4	200	2,5	100,9128198	130,27418	38,548479	-90,45728	6,743
6,7901	190,7	200	2,5	100,97328	130,36435	38,458308	-90,54745	6,7901
6,8373	170,3	200	2,5	101,0334493	130,45409	38,368571	-90,63719	6,8373
6,8844	151,3	200	2,5	101,0930785	130,54302	38,279639	-90,72612	6,8844
6,9316	134,4	200	2,5	101,1524264	130,63153	38,191127	-90,81463	6,9316
6,9787	116,5	200	2,5	101,2112472	130,71926	38,103401	-90,90236	6,9787
7,0259	98,8	200	2,5	101,2697959	130,80658	38,016081	-90,98968	7,0259
7,073	83,2	200	2,5	101,3278297	130,89313	37,929528	-91,07623	7,073
7,1202	80,7	200	2,5	101,3856004	130,97929	37,843368	-91,16239	7,1202
7,1673	82,6	200	2,5	101,4428682	131,0647	37,757958	-91,2478	7,1673
7,2145	82,5	200	2,5	101,4998813	131,14973	37,672928	-91,33283	7,2145
7,2616	75	200	2,5	101,556403	131,23403	37,588631	-91,41713	7,2616
7,3088	63,5	200	2,5	101,6126781	131,31795	37,504702	-91,50105	7,3088
7,3559	53,2	200	2,5	101,6684729	131,40117	37,421489	-91,58427	7,3559
7,4031	42,9	200	2,5	101,7240289	131,48402	37,338632	-91,66712	7,4031
7,4503	33,3	200	2,5	101,7792318	131,56636	37,256302	-91,74946	7,4503
7,4974	25,2	200	3	101,8339702	131,64799	37,174664	-91,83109	7,4974
7,5446	21,3	200	3	101,888481	131,72929	37,093366	-91,91239	7,5446
7,5917	18,8	200	3	101,9425373	131,80991	37,012746	-91,99301	7,5917
7,6389	16,3	200	3	101,9963731	131,8902	36,932454	-91,0733	7,6389
7,686	13,9	200	3	102,0497642	131,96983	36,852826	-91,15293	7,686
7,7332	11,9	200	3	102,1029414	132,04914	36,773517	-91,23224	7,7332
7,7803	9,8	200	3	102,1556834	132,1278	36,694857	-91,31109	7,7803
7,8275	7,7	200	3	102,2082181	132,20615	36,616506	-91,38925	7,8275
7,8746	5,9	200	3	102,2603266	132,28387	36,538791	-91,46697	7,8746
7,9218	3,9	200	3	102,312234	132,36128	36,461375	-92,04438	7,9218
7,9689	2	200	3	102,3637241	132,43807	36,384582	-92,12117	7,9689
8,0161	1,2	200	3	102,4150191	132,51458	36,30808	-92,19768	8,0161
8,0633	0,6	200	3	102,4660129	132,59063	36,232027	-92,27373	8,0633
8,1104	0	200	3	102,5166021	132,66608	36,156578	-92,34918	8,1104
8,1576	0	200	3	102,5670047	132,74125	36,081407	-92,42435	8,1576
8,2047	0	200	3	102,6170107	132,81583	36,006827	-92,49893	8,2047
8,2519	0	200	3	102,6668357	132,89014	35,932518	-92,57324	8,2519

8,299	0	200	3	102,7162719	132,96387	36,358788	-92,64697	8,299
8,3462	0	200	3	102,7655323	133,03734	36,28532	-92,72044	8,3462
8,3933	0	200	3	102,8144115	133,11024	36,212421	-92,79334	8,3933
8,4405	0	200	3	102,8631201	133,18288	36,139777	-92,86598	8,4405
8,4876	0	200	3	102,9114547	133,25497	36,06769	-92,93807	8,4876
8,5348	0	200	3	102,9596235	133,32681	35,99585	-93,00991	8,5348
8,5819	0	200	3	103,0074256	133,3981	35,924558	-93,0812	8,5819
8,6291	0	200	3	103,0550666	133,46915	35,853505	-93,15225	8,6291
8,6762	0	200	3	103,1023477	133,53967	35,78299	-93,22277	8,6762
8,7234	0	200	3	103,1494723	133,60995	35,712707	-93,29305	8,7234
8,7706	0	200	3,5	103,1963427	133,67985	36,142804	-92,86295	8,7706
8,8177	0	200	3,5	103,242863	133,74923	36,073423	-92,93233	8,8177
8,8649	0	200	3,5	103,2892334	133,81839	36,004266	-93,00149	8,8649
8,912	0	200	3,5	103,3352601	133,88704	35,935621	-93,07014	8,912
8,9592	0	200	3,5	103,3811412	133,95546	35,867194	-93,13856	8,9592
9,0063	0	200	3,5	103,4266848	134,02339	35,799269	-93,20649	9,0063
9,0535	0	200	3,5	103,4720867	134,0911	35,731556	-93,2742	9,0535
9,1006	0	200	3,5	103,5171571	134,15832	35,664338	-93,34142	9,1006
9,1478	0	200	3,5	103,5620898	134,22533	35,597325	-93,40843	9,1478
9,1949	0	200	3,5	103,6066968	134,29186	35,530797	-93,47496	9,1949
9,2421	0	200	3,5	103,6511698	134,35819	35,464469	-93,54129	9,2421
9,2892	0	200	3,5	103,6953228	134,42404	35,398619	-93,60714	9,2892
9,3364	0	200	3,5	103,7393456	134,48969	35,332963	-93,67279	9,3364
9,3835	0	200	3,5	103,7830537	134,55488	35,267776	-93,73798	9,3835
9,4307	0	200	3,5	103,8266352	134,61988	35,202778	-93,80298	9,4307
9,4779	0	200	3,5	103,869999	134,68455	35,138105	-93,86765	9,4779
9,5251	0	200	3,5	103,9131474	134,7489	35,073753	-93,932	9,5251
9,5723	0	200	3,5	103,9560826	134,81294	35,009719	-93,99604	9,5723
9,6195	0	200	3,5	103,9988066	134,87666	34,946	-94,05976	9,6195
9,6667	0	200	3,5	104,0413214	134,94006	34,882592	-94,12316	9,6667

Perfil Topográfico Estación Avila-5 350°



