

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)
0,00	2056,90	45,00	5	0	0	171,32266	42,3169	0
0,0543	2075,1	30,00	-2	59,03175316	72,37086	91,951796	-37,05396	0,0543
0,1087	2082,2	30,00	4	65,06034745	82,988679	87,333978	-41,67178	0,1087
0,163	2088,6	30,00	5	68,57950866	89,186776	82,135881	-46,86988	0,163
0,2173	2099,5	30,00	5	71,0769511	93,585378	77,737278	-51,26848	0,2173
0,2716	2092,6	30,00	5	73,01435189	96,997611	74,325045	-54,68071	0,2716
0,326	2074,3	30,00	5	74,60010857	99,790514	71,532143	-57,47361	0,326
0,3803	2057,7	44,20	5	75,93828308	100,2843	71,038356	-57,9674	0,3803
0,4346	2038,7	63,20	5	77,09755101	100,48411	70,838547	-58,16721	0,4346
0,4889	2018,7	83,20	4	78,12015732	100,76966	69,552992	-59,45276	0,4889
0,5433	2000,7	101,20	4	79,03655067	101,22283	69,099828	-59,90593	0,5433
0,5976	1986,4	115,50	4	79,86396835	101,8278	68,494861	-60,5109	0,5976
0,6519	1973,9	128,00	4	80,61937619	102,45097	67,871687	-61,13407	0,6519
0,7062	1957,7	144,20	3,5	81,31431084	102,86747	66,955186	-62,05057	0,7062
0,7606	1939,4	162,50	3,5	81,95888299	103,18208	66,640576	-62,36518	0,7606
0,8149	1922,6	179,30	3,5	82,55784293	103,52746	66,295198	-62,71056	0,8149
0,8692	1907,6	194,30	3,5	83,11815093	103,90352	65,919141	-63,08662	0,8692
0,9235	1901,3	200,00	3,5	83,64449457	104,51998	65,302679	-63,70308	0,9235
0,9779	1908,6	193,30	4	84,1416455	105,465	64,857652	-64,1481	0,9779
1,0322	1918,5	114,51	4	84,61103367	109,33021	60,992449	-68,01331	1,0322
1,0865	1930,7	125,06	4,5	85,05635119	109,4917	61,33096	-67,6748	1,0865
1,1408	1944,6	126,96	5	85,47994682	110,05897	61,26369	-67,74207	1,1408
1,1952	1958,5	127,87	5	85,88456826	110,64397	60,678684	-68,32707	1,1952
1,2495	1975,9	127,77	5	86,27048178	111,24892	60,073738	-68,93202	1,2495
1,3038	1998,9	126,54	5	86,63997611	111,8852	59,437461	-69,5683	1,3038

1,3581	2021,2	130,11	5	86,99439156	112,25934	59,063316	-69,94244	1,3581
1,4125	2042	126,76	5	87,3355257	112,95632	58,366337	-70,63942	1,4125
1,4668	2058	123,00	5	87,6631746	113,66154	57,661114	-71,34464	1,4668
1,5211	2073,1	118,90	5	87,9789119	114,37507	56,947585	-72,05817	1,5211
1,5754	2085,3	118,42	5	88,2835734	114,87844	56,444221	-72,56154	1,5754
1,6298	2085,1	114,19	5	88,57844284	115,58069	55,741964	-73,26379	1,6298
1,6841	2077,7	110,59	5	88,86311409	116,24082	55,081839	-73,92392	1,6841
1,7384	2061	110,46	5	89,13875084	116,68312	54,639538	-74,36622	1,7384
1,7927	2035,5	108,76	5	89,40590894	117,20806	54,1146	-74,89116	1,7927
1,8471	2008,6	108,19	5	89,66556474	117,65349	53,669163	-75,33659	1,8471
1,9014	1979,7	108,69	5	89,91722636	118,01946	53,303198	-75,70256	1,9014
1,9557	1935,8	112,36	5	90,16180129	118,1783	53,144359	-75,8614	1,9557
2,01	1893,1	115,69	5	90,39967772	118,35238	52,970282	-76,03548	2,01
2,0644	1852,6	120,14	5	90,63163358	118,45583	52,866825	-76,13893	2,0644
2,2273	1800	127,43	5	91,29133091	119,07569	52,246965	-76,75879	2,2273
2,2817	1750	134,67	4,5	91,50092742	119,0137	51,808953	-77,1968	2,2817
2,336	1700	143,03	4	91,70521334	118,90573	51,41693	-77,58883	2,336
2,3903	1668,6	151,82	4	91,9048048	118,79044	51,532213	-77,47354	2,3903
2,4446	1661	162,12	4	92,09991272	118,62288	51,699772	-77,30598	2,4446
2,499	1639,6	170,94	4	92,2910817	118,53542	51,787236	-77,21852	2,499
2,5533	1618,2	179,88	4	92,47779348	118,45323	51,869428	-77,13633	2,5533
2,6076	1594,8	191,07	4	92,66057602	118,29497	52,027688	-76,97807	2,6076
2,6619	1572,2	200,00	4	92,8395913	118,23366	52,088995	-76,91676	2,6619
2,7163	1550,7	200,00	4	93,01531125	118,49573	51,826924	-77,17883	2,7163
2,7706	1534,7	200,00	3,5	93,18723317	118,75214	51,070517	-77,93524	2,7706
2,8249	1522,1	200,00	3,5	93,35581815	119,00357	50,819087	-78,18667	2,8249
2,8792	1511,6	200,00	3,5	93,52119325	119,25021	50,572445	-78,43331	2,8792
2,9336	1502,1	200,00	3,5	93,68377451	119,49269	50,329969	-78,67579	2,9336
2,9879	1490,8	200,00	3,5	93,84307774	119,73027	50,092382	-78,91337	2,9879
3,0422	1482,3	200,00	3,5	93,99951181	119,96358	49,859075	-79,14668	3,0422
3,0965	1479,9	200,00	4	94,15317826	120,19276	50,129894	-78,87586	3,0965
3,1509	1478,6	200,00	4	94,30444898	120,41837	49,904287	-79,10147	3,1509
3,2052	1476,2	200,00	4	94,45285925	120,63971	49,682946	-79,32281	3,2052
3,2595	1474,7	200,00	4	94,59877628	120,85733	49,465324	-79,54043	3,2595
3,3138	1475,4	200,00	4	94,74228245	121,07136	49,251297	-79,75446	3,3138
3,3682	1473,1	200,00	4	94,883714	121,28229	49,040364	-79,96539	3,3682
3,4225	1466	200,00	4	95,02262571	121,48947	48,83319	-80,17257	3,4225
3,4768	1451,1	200,00	4	95,15935075	121,69338	48,629276	-80,37648	3,4768
3,5311	1429,5	200,00	4	95,29395691	121,89413	48,428523	-80,57723	3,5311
3,5855	1411	200,00	4	95,42675111	122,09218	48,230472	-80,77528	3,5855
3,6398	1398,4	200,00	4	95,55730699	122,2869	48,035759	-80,97	3,6398
3,6941	1393,7	200,00	4	95,68592953	122,47873	47,84393	-81,16183	3,6941
3,7484	1354,3	200,00	4	95,81267516	122,66776	47,6549	-81,35086	3,7484
3,8028	1342,5	200,00	4	95,93782628	122,85441	47,468248	-81,53751	3,8028
3,8571	1300	200,00	3,5	96,06097455	123,03807	46,784583	-82,22117	3,8571
3,9114	1280	200,00	3,5	96,1824012	123,21917	46,603486	-82,40227	3,9114
3,9657	1260	200,00	3,5	96,30215372	123,39777	46,424885	-82,58087	3,9657
4,0201	1240	200,00	3,5	96,4204937	123,57427	46,248391	-82,75737	4,0201

4,0744	1259,7	200,00	3,5	96,53702984	123,74807	46,074588	-82,93117	4,0744
4,1287	1248,7	200,00	3,5	96,65202312	123,91957	45,903086	-83,10267	4,1287
4,183	1243,2	200,00	3,5	96,76551386	124,08883	45,733824	-83,27193	4,183
4,2374	1239,8	200,00	4	96,87774582	124,25622	46,06644	-82,93932	4,2374
4,2917	1228,3	200,00	3,5	96,9883437	124,42116	45,401493	-83,60426	4,2917
4,346	1218,3	200,00	4	97,09755101	124,58404	45,73862	-83,26714	4,346
4,4003	1209	200,00	4	97,2054023	124,74489	45,577769	-83,42799	4,4003
4,4547	1198,5	200,00	4	97,31212581	124,90406	45,4186	-83,58716	4,4547
4,509	1190,6	200,00	4	97,41736128	125,06101	45,261651	-83,74411	4,509
4,5633	1179	200,00	4	97,52133699	125,21608	45,10658	-83,89918	4,5633
4,6176	1155,7	200,00	3,5	97,62408276	125,36931	44,453343	-84,55241	4,6176
4,672	1133,1	200,00	3,5	97,72581325	125,52104	44,301621	-84,70414	4,672
4,7263	1110,4	200,00	3,5	97,82618227	125,67073	44,15193	-84,85383	4,7263
4,7806	1088,6	200,00	3,5	97,92540472	125,81871	44,003948	-85,00181	4,7806
4,8349	1066,2	200,00	3,5	98,02350649	125,96502	43,857638	-85,14812	4,8349
4,8893	1043,3	200,00	3,5	98,12069029	126,10996	43,712697	-85,29306	4,8893
4,9436	1030,1	200,00	3,5	98,21662304	126,25304	43,569621	-85,43614	4,9436
4,9979	1019	200,00	3,5	98,31150782	126,39455	43,428109	-85,57765	4,9979
5,0522	1010,2	200,00	3,5	98,40536726	126,53453	43,288126	-85,71763	5,0522
5,1066	970,8	200,00	3,5	98,49839339	126,67327	43,149386	-85,85637	5,1066
5,1609	931,9	200,00	3,5	98,59026545	126,81029	43,012366	-85,99339	5,1609
5,2152	894,5	200,00	3,5	98,68117593	126,94588	42,876781	-86,12898	5,2152
5,2695	797,6	200,00	3	98,77114475	127,08006	42,242601	-86,76316	5,2695
5,3239	715,9	200,00	3	98,86035436	127,2131	42,109552	-86,8962	5,3239
5,3782	750,5	200,00	3	98,94849554	127,34456	41,978097	-87,02766	5,3782
5,4325	738,1	200,00	3	99,03575127	127,47469	41,847963	-87,15779	5,4325
5,4868	706,4	200,00	3	99,12213917	127,60353	41,719123	-87,28663	5,4868
5,5412	675,3	200,00	3	99,20783308	127,73134	41,591318	-87,41444	5,5412
5,5955	648,6	200,00	3	99,29253457	127,85766	41,464993	-87,54076	5,5955
5,6498	621,9	200,00	3	99,37641806	127,98277	41,339888	-87,66587	5,6498
5,7041	594,2	200,00	3	99,45949919	128,10668	41,21598	-87,78978	5,7041
5,7585	565,6	200,00	3	99,541944	128,22964	41,093021	-87,91274	5,7585
5,8128	537,5	200,00	3	99,62346418	128,35122	40,971441	-88,03432	5,8128
5,8671	507,9	200,00	3	99,70422638	128,47167	40,850991	-88,15477	5,8671
5,9214	476,1	200,00	3	99,78424456	128,59101	40,731651	-88,27411	5,9214
5,9758	440,7	200,00	2,5	99,86367765	128,70947	40,113183	-88,89257	5,9758
6,0301	403,9	200,00	2,5	99,94224686	128,82665	39,996004	-89,00975	6,0301
6,0844	378,9	200,00	2,5	100,0201117	128,94278	39,879876	-89,12588	6,0844
6,1387	359,5	200,00	2,5	100,0972848	129,05788	39,764779	-89,24098	6,1387
6,1931	340,2	200,00	2,5	100,1739184	129,17217	39,650486	-89,35527	6,1931
6,2474	331,3	200,00	2,5	100,2497428	129,28526	39,537401	-89,46836	6,2474
6,3017	292	200,00	2,5	100,3249111	129,39736	39,425294	-89,58046	6,3017
6,356	226	200,00	2,5	100,3994343	129,50851	39,314149	-89,69161	6,356
6,4104	151,7	200,00	1,5	100,4734592	129,61891	38,203747	-90,80201	6,4104
6,4647	75,8	200,00	1,5	100,5467241	129,72818	38,094479	-90,91128	6,4647
6,519	60,2	200,00	1,5	100,6193762	129,83653	37,986125	-91,01963	6,519
6,5733	70	200,00	1,5	100,6914256	129,94399	37,878669	-91,12709	6,5733
6,6277	58,9	200,00	1,5	100,7630134	130,05075	37,771903	-91,23385	6,6277

6,682	100	200,00	1,5	100,833886	130,15645	37,666202	-91,33955	6,682
6,7363	112,2	200,00	2,5	100,904185	130,2613	38,561357	-90,4444	6,7363
6,7906	114,2	200,00	2,5	100,9739196	130,3653	38,457354	-90,5484	6,7906
6,845	123,4	200,00	2,5	101,0432256	130,46867	38,35399	-90,65177	6,845
6,8993	280,7	200,00	3	101,1118572	130,57102	38,751633	-90,25412	6,8993
6,9536	389,4	200,00	3	101,1799507	130,67258	38,650077	-90,35568	6,9536
7,0079	486,6	200,00	3,5	101,2475145	130,77335	39,049311	-89,95645	7,0079
7,0623	517,6	200,00	3,5	101,3146798	130,87352	38,94914	-90,05662	7,0623
7,1166	503,7	200,00	3,5	101,3812077	130,97274	38,84992	-90,15584	7,1166
7,1709	496,7	200,00	3,5	101,4472299	131,0712	38,751453	-90,2543	7,1709
7,2252	496,3	200,00	3,5	101,512754	131,16893	38,65373	-90,35203	7,2252
7,2796	500,6	200,00	3,5	101,5779069	131,2661	38,55656	-90,4492	7,2796
7,3339	505	200,00	3,5	101,6424563	131,36237	38,46029	-90,54547	7,3339
7,3882	508,7	200,00	3,5	101,7065294	131,45793	38,364731	-90,64103	7,3882
7,4425	511,6	200,00	3,5	101,7701334	131,55279	38,269871	-90,73589	7,4425
7,4969	511,5	200,00	3,5	101,8333909	131,64713	38,175528	-90,83023	7,4969
7,5512	509,2	200,00	3,5	101,896076	131,74062	38,082039	-90,92372	7,5512
7,6055	509,9	200,00	3,5	101,958312	131,83344	37,989219	-91,01654	7,6055
7,6598	508,3	200,00	3,5	102,0201052	131,9256	37,89706	-91,1087	7,6598
7,7142	504,4	200,00	3,5	102,0815745	132,01727	37,805384	-91,20037	7,7142
7,7685	494,6	200,00	3,5	102,1425	132,10814	37,714519	-91,29124	7,7685
7,8228	480,1	200,00	3,5	102,2030011	132,19837	37,624287	-91,38147	7,8228
7,8771	463,2	200,00	3,5	102,2630838	132,28798	37,534679	-91,47108	7,8771
7,9315	445,2	200,00	3,5	102,3228631	132,37713	37,445523	-91,56023	7,9315
7,9858	425,7	200,00	3,5	102,3821252	132,46552	37,357139	-91,64862	7,9858
8,0401	405,1	200,00	3,5	102,4409856	132,5533	37,269354	-91,7364	8,0401
8,0944	379,9	200,00	3,5	102,4994498	132,6405	37,182159	-91,8236	8,0944
8,1488	355,6	200,00	3,5	102,5576297	132,72727	37,095389	-91,91037	8,1488
8,2031	332,4	200,00	3,5	102,6153167	132,8133	37,009354	-91,9964	8,2031
8,2574	306,2	200,00	3,5	102,672623	132,89877	36,923887	-92,08187	8,2574
8,3117	281,2	200,00	3,5	102,7295538	132,98368	36,838979	-92,16678	8,3117
8,3661	250,5	200,00	3,5	102,7862176	133,06819	36,75447	-92,25129	8,3661
8,4204	222,8	200,00	3,5	102,842411	133,15199	36,670663	-92,33509	8,4204
8,4747	199	200,00	3,5	102,8982432	133,23526	36,587394	-92,41836	8,4747
8,529	178,5	200,00	3,5	102,9537189	133,318	36,504657	-92,5011	8,529
8,5834	156,4	200,00	3,5	103,0089436	133,40036	36,422294	-92,58346	8,5834
8,6377	134,6	200,00	3,5	103,0637189	133,48206	36,340601	-92,66516	8,6377
8,692	118,9	200,00	3,5	103,1181509	133,56324	36,259421	-92,74634	8,692
8,7463	114,7	200,00	3,5	103,172244	133,64391	36,178746	-92,82701	8,7463
8,8007	118	200,00	3,5	103,2261009	133,72423	36,098423	-92,90733	8,8007
8,855	132	200,00	3,5	103,2795279	133,80392	36,018741	-92,98702	8,855
8,9093	143,4	200,00	3,5	103,3326282	133,88311	35,939546	-93,06621	8,9093
8,9636	147,7	200,00	3,5	103,3854059	133,96182	35,860833	-93,14492	8,9636
9,018	148,1	200,00	3,5	103,4379612	134,04021	35,782451	-93,22331	9,018
9,0723	138,1	200,00	3,5	103,4901046	134,11797	35,704684	-93,30107	9,0723
9,1266	114,4	200,00	3,5	103,5419369	134,19528	35,627381	-93,37838	9,1266
9,1809	90,6	200,00	3,5	103,5934617	134,27212	35,550536	-93,45522	9,1809
9,2353	73,4	200,00	3,5	103,6447767	134,34865	35,474004	-93,53175	9,2353

9,2896	60,3	200,00	3,5	103,6956969	134,4246	35,398061	-93,6077	9,2896
9,3439	46,5	200,00	3,5	103,7463202	134,5001	35,322561	-93,6832	9,3439
9,3982	35,9	200,00	3,5	103,7966502	134,57516	35,247498	-93,75826	9,3982
9,4526	28,7	200,00	3,5	103,8467822	134,64993	35,172731	-93,83303	9,4526
9,5069	21,5	200,00	3,5	103,8965351	134,72413	35,098529	-93,90723	9,5069
9,5612	16,9	200,00	3,5	103,9460046	134,79791	35,024749	-93,98101	9,5612
9,6155	15,5	200,00	3,5	103,995194	134,87127	34,951387	-94,05437	9,6155
9,6699	14,5	200,00	3,5	104,0441962	134,94435	34,878305	-94,12745	9,6699
9,7242	13,2	200,00	3,5	104,0928342	135,01689	34,805766	-94,19999	9,7242
9,7785	11	200,00	3,5	104,1412014	135,08903	34,73363	-94,27213	9,7785
9,8328	8,6	200,00	3,5	104,1893007	135,16076	34,661894	-94,34386	9,8328
9,8872	7	200,00	3,5	104,237223	135,23223	34,590422	-94,41533	9,8872
9,9415	5	200,00	3,5	104,2847949	135,30318	34,519473	-94,48628	9,9415
9,9958	2,3	200,00	3,5	104,3321077	135,37375	34,44891	-94,55685	9,9958
10,0501	0	200,00	3,5	104,3791642	135,44393	34,378729	-94,62703	10,0501
10,1045	0	200,00	3,5	104,4260531	135,51386	34,308799	-94,69696	10,1045
10,1588	0	200,00	3,5	104,4726048	135,58329	34,239371	-94,76639	10,1588
10,2131	0	200,00	3,5	104,5189083	135,65234	34,170313	-94,83544	10,2131
10,2674	0	200,00	3,5	104,5649662	135,72103	34,101622	-94,90413	10,2674
10,3218	0	200,00	3,5	104,6108654	135,78949	34,033167	-94,97259	10,3218
10,3761	0	200,00	4	104,6564395	135,85746	34,465197	-94,54056	10,3761
10,4304	0	200,00	4	104,7017758	135,92507	34,397582	-94,60817	10,4304
10,4847	0	200,00	4	104,7468767	135,99234	34,330318	-94,67544	10,4847
10,5391	0	200,00	4	104,7918271	136,05938	34,263279	-94,74248	10,5391
10,5934	0	200,00	4	104,836464	136,12595	34,196707	-94,80905	10,5934
10,6477	0	200,00	4	104,8808727	136,19218	34,130475	-94,87528	10,6477
10,702	0	200,00	4	104,9250555	136,25808	34,06458	-94,94118	10,702
10,7564	0	200,00	4	104,9690955	136,32376	33,998898	-95,00686	10,7564
10,8107	0	200,00	4	105,0128329	136,38899	33,933668	-95,07209	10,8107
10,865	0	200,00	4	105,0563512	136,45389	33,868764	-95,13699	10,865
11,0939	0	200,00	4	105,2374415	136,72397	33,598684	-95,40707	11,0939
11,1497	0	200,00	4	105,2810202	136,78897	33,53369	-95,47207	11,1497

Perfil Topográfico Estación Avila-5 40°



