

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
0,0656	2074,9	30,00	0	60,67383336	75,262962	91,059694	-37,94606	0,0656
0,1312	2082,4	30,00	5	66,69443327	85,8667	85,455956	-43,5498	0,1312
0,1968	2093,8	30,00	5	70,21625845	92,06949	79,253167	-49,75259	0,1968
0,2624	2110,4	30,00	5	72,71503319	96,470439	74,852218	-54,15354	0,2624
0,328	2098,7	30,00	5	74,65323345	99,88408	71,438577	-57,56718	0,328
0,3936	2085,1	30,00	5	76,23685837	102,67323	68,649429	-60,35633	0,3936
0,4592	2074,2	30,00	5	77,57579416	105,03142	66,291238	-62,71452	0,4592
0,5248	2058,5	43,40	5	78,7356331	105,15201	66,17065	-62,83511	0,5248
0,5904	2045,3	56,60	5	79,75868355	105,47917	65,843482	-63,16227	0,5904
0,656	2037,4	64,50	5	80,67383336	106,29221	65,030451	-63,97531	0,656
0,7216	2020,6	81,30	5	81,50168706	106,3641	64,958559	-64,0472	0,7216
0,7872	1996,2	105,70	5	82,25745828	106,09035	65,232311	-63,77345	0,7872
0,8528	1979,2	122,70	5	82,95270041	106,32452	64,998136	-64,00762	0,8528
0,9184	1975,8	126,10	5	83,59639407	107,16809	64,154569	-64,85119	0,9184
0,984	1981,9	120,00	5	84,19565854	108,39776	62,924895	-66,08086	0,984
1,0496	2000,8	66,20	5	84,75623301	112,88014	58,442518	-70,56324	1,0496
1,1152	2021,5	67,21	5	85,28281179	113,65498	57,667674	-71,33808	1,1152
1,1808	2041,2	66,78	5	85,77928346	114,51266	56,809993	-72,19576	1,1808
1,2464	2065,6	64,88	5	86,24890538	115,46791	55,854746	-73,15101	1,2464
1,312	2092,4	66,00	5	86,69443327	116,09476	55,227892	-73,77786	1,312
1,3776	2116,4	61,26	5	87,11821926	117,26994	54,052713	-74,95304	1,3776
1,4432	2137	55,91	5	87,52228698	118,53084	52,79182	-76,21394	1,4432
1,5088	2152	50,33	5	87,90839008	119,86108	51,461579	-77,54418	1,5088
1,5744	2162,2	46,99	5	88,27805819	120,93586	50,386794	-78,61896	1,5744
1,64	2161	41,68	5	88,63263353	122,32986	48,992799	-80,01296	1,64
1,7055	2150,4	37,39	5	88,97279105	123,63731	47,685342	-81,32041	1,7055

1,7711	2131,6	34,34	5	89,30061823	124,77515	46,54751	-82,45825	1,7711
1,8367	2105,7	32,68	5	89,61652109	125,65969	45,662963	-83,34279	1,8367
1,9023	2077,2	33,03	5	89,92133673	126,12178	45,200876	-83,80488	1,9023
1,9679	2047,1	33,93	5	90,21581709	126,45109	44,871568	-84,13419	1,9679
2,0335	2008,1	36,33	5	90,50064011	126,47867	44,843987	-84,16177	2,0335
2,0991	1971,9	39,93	5	90,77641915	126,30272	45,019937	-83,98582	2,0991
2,1647	1944,6	44,92	5	91,04371092	125,94435	45,378303	-83,62745	2,1647
2,2303	1939	49,29	5	91,30302226	125,73693	45,585722	-83,42003	2,2303
2,2959	1938,3	53,37	5	91,55481593	125,60324	45,719412	-83,28634	2,2959
2,3615	1941,2	57,07	5	91,79951557	125,54055	45,782107	-83,22365	2,3615
2,4271	1941,5	61,10	5	92,03750998	125,45314	45,869516	-83,13624	2,4271
2,4927	1938,7	64,51	5	92,26915685	125,45122	45,871433	-83,13432	2,4927
2,5583	1924,4	68,15	5	92,49478599	125,43035	45,892305	-83,11345	2,5583
2,6239	1884,9	72,80	5	92,71470216	125,31705	46,005602	-83,00015	2,6239
2,6895	1855,1	78,75	5	92,92918755	125,10082	46,221841	-82,78392	2,6895
2,7551	1831,6	84,55	5	93,13850391	124,92482	46,397835	-82,60792	2,7551
2,8207	1789,7	91,25	5	93,34289454	124,69964	46,623015	-82,38274	2,8207
2,8863	1753	98,61	5	93,54258596	124,45248	46,87018	-82,13558	2,8863
2,9519	1722,8	107,60	5	93,73778939	124,123	47,199661	-81,8061	2,9519
3,0175	1680,8	116,31	5	93,92870215	123,85126	47,471398	-81,53436	3,0175
3,0831	1634,4	125,80	4,5	94,1155088	123,56428	47,258373	-81,74738	3,0831
3,1487	1591,6	135,92	4,5	94,29838226	123,27513	47,54753	-81,45823	3,1487
3,2143	1553,1	148,22	4	94,47748474	122,90701	47,415645	-81,59011	3,2143
3,2799	1510,1	159,59	4	94,65296863	122,62396	47,6987	-81,30706	3,2799
3,3455	1462,7	171,58	4	94,82497726	122,34315	47,979509	-81,02625	3,3455
3,4111	1422	183,98	4	94,9936456	122,07389	48,248764	-80,75699	3,4111
3,4767	1386,2	198,86	3,5	95,15910092	121,73617	48,086484	-80,91927	3,4767
3,5423	1334,2	200,00	3,5	95,32146336	121,93516	47,887499	-81,11826	3,5423
3,6079	1283,8	200,00	3,5	95,48084641	122,17286	47,649793	-81,35596	3,6079
3,6735	1240,5	200,00	3,5	95,63735746	122,40629	47,416371	-81,58939	3,6735
3,7391	1201,1	200,00	3	95,79109818	122,63558	46,68708	-82,31868	3,7391
3,8047	1162,3	200,00	3	95,94216494	122,86088	46,461777	-82,54398	3,8047
3,8703	1129,1	200,00	3	96,09064917	123,08233	46,240326	-82,76543	3,8703
3,9359	1106,3	200,00	3	96,23663769	123,30006	46,022597	-82,98316	3,9359
4,0015	1085,2	200,00	3	96,380213	123,51419	45,808467	-83,19729	4,0015
4,0671	1064,5	200,00	3	96,52145359	123,72484	45,597819	-83,40794	4,0671
4,1327	1035,1	200,00	3	96,66043418	123,93212	45,390541	-83,61522	4,1327
4,1983	1001,1	200,00	3	96,79722595	124,13613	45,186528	-83,81923	4,1983
4,2639	968,8	200,00	3	96,93189679	124,33698	44,985678	-84,02008	4,2639
4,3295	929,4	200,00	3	97,06451145	124,53476	44,787895	-84,21786	4,3295
4,3951	881,5	200,00	2,5	97,19513179	124,72957	44,093086	-84,91267	4,3951
4,4607	843,7	200,00	2,5	97,3238169	124,92149	43,901164	-85,10459	4,4607
4,5263	803,8	200,00	2,5	97,45062328	125,11061	43,712043	-85,29371	4,5263
4,5919	754,4	200,00	2,5	97,57560501	125,29701	43,525644	-85,48011	4,5919
4,6575	721,6	200,00	1,5	97,69881384	125,48077	42,341889	-86,66387	4,6575
4,7231	691	200,00	1,5	97,82029939	125,66195	42,160704	-86,84505	4,7231
4,7887	657	200,00	1,5	97,94010918	125,84064	41,982018	-87,02374	4,7887
4,8543	639,1	200,00	1,5	98,05828883	126,01689	41,805763	-87,19999	4,8543

4,9199	613,6	200,00	1,5	98,17488208	126,19078	41,631874	-87,37388	4,9199
4,9854	577,4	200,00	1,5	98,28975676	126,36211	41,460549	-87,54521	4,9854
5,051	563	200,00	1,5	98,40330394	126,53145	41,291203	-87,71455	5,051
5,1166	547,7	200,00	1,5	98,5153859	126,69861	41,124043	-87,88171	5,1166
5,1822	527,6	200,00	1,5	98,62603997	126,86364	40,959012	-88,04674	5,1822
5,2478	504,2	200,00	1,5	98,73530208	127,0266	40,796057	-88,2097	5,2478
5,3134	504,2	200,00	1,5	98,8432068	127,18753	40,635126	-88,37063	5,3134
5,379	531,6	200,00	2,5	98,94978746	127,34649	41,476171	-87,52959	5,379
5,4446	558,9	200,00	2,5	99,05507615	127,50351	41,319142	-87,68661	5,4446
5,5102	545,7	200,00	2,5	99,15910382	127,65866	41,163994	-87,84176	5,5102
5,5758	532,5	200,00	2,5	99,26190032	127,81198	41,010682	-87,99507	5,5758
5,6414	528,4	200,00	2,5	99,36349446	127,96349	40,859163	-88,14659	5,6414
5,707	536,8	200,00	3	99,46391402	128,11326	41,209396	-87,79636	5,707
5,7726	571,1	200,00	3	99,56318587	128,26132	41,061341	-87,94442	5,7726
5,8382	637,4	200,00	3	99,66133594	128,4077	40,914958	-88,0908	5,8382
5,9038	703	200,00	3,5	99,75838931	128,55245	41,270212	-87,73554	5,9038
5,9694	744,4	200,00	3,5	99,8543702	128,69559	41,127065	-87,87869	5,9694
6,035	748,8	200,00	3,5	99,94930206	128,83717	40,985482	-88,02027	6,035
6,1006	744,1	200,00	3,5	100,0432076	128,97723	40,84543	-88,16033	6,1006
6,1662	745	200,00	3,5	100,1361087	129,11578	40,706876	-88,29888	6,1662
6,2318	764,9	200,00	3,5	100,2280267	129,25287	40,569788	-88,43597	6,2318
6,2974	790,5	200,00	3,5	100,3189822	129,38852	40,434136	-88,57162	6,2974
6,363	817,5	200,00	4	100,408995	129,52277	40,79989	-88,20587	6,363
6,4286	843,1	200,00	4	100,4980847	129,65564	40,667021	-88,33874	6,4286
6,4942	864,1	200,00	4	100,5862698	129,78716	40,5355	-88,47026	6,4942
6,5598	887,6	200,00	4	100,6735685	129,91735	40,405302	-88,60045	6,5598
6,6254	914,8	200,00	4	100,7599986	130,04626	40,276399	-88,72936	6,6254
6,691	948,2	200,00	4	100,8455772	130,17389	40,148766	-88,85699	6,691
6,7566	978,7	200,00	4,5	100,9303208	130,30028	40,522378	-88,48338	6,7566
6,8222	1001,6	200,00	4,5	101,0142455	130,42544	40,397212	-88,60854	6,8222
6,8878	997,1	200,00	4,5	101,0973671	130,54941	40,273243	-88,73251	6,8878
6,9534	975,7	200,00	4,5	101,1797008	130,67221	40,15045	-88,85531	6,9534
7,019	945,9	200,00	4,5	101,2612614	130,79385	40,028809	-88,97695	7,019
7,0846	914,2	200,00	4	101,3420633	130,91436	39,4083	-89,59746	7,0846
7,1502	883,5	200,00	4	101,4221204	131,03375	39,288902	-89,71685	7,1502
7,2158	853,4	200,00	4	101,5014463	131,15206	39,170594	-89,83516	7,2158
7,2814	828,5	200,00	4	101,5800544	131,2693	39,053357	-89,9524	7,2814
7,347	801,5	200,00	4	101,6579574	131,38548	38,937172	-90,06858	7,347
7,4126	771,1	200,00	4	101,7351679	131,50064	38,822019	-90,18374	7,4126
7,4782	740,4	200,00	4	101,8116981	131,61478	38,707881	-90,29788	7,4782
7,5438	711,8	200,00	4	101,8875599	131,72792	38,59474	-90,41102	7,5438
7,6094	683,2	200,00	4	101,9627649	131,84008	38,482578	-90,52318	7,6094
7,675	662,4	200,00	4	102,0373243	131,95128	38,371379	-90,63438	7,675
7,7406	645,8	200,00	4	102,1112491	132,06153	38,261127	-90,74463	7,7406
7,8062	629,9	200,00	4	102,1845501	132,17085	38,151805	-90,85395	7,8062
7,8718	619,6	200,00	4	102,2572376	132,27926	38,043398	-90,96236	7,8718
7,9374	615,4	200,00	4	102,3293219	132,38677	37,93589	-91,06987	7,9374
8,003	614,1	200,00	4	102,4008129	132,49339	37,829268	-91,17649	8,003

8,0686	609,7	200,00	4	102,4717203	132,59914	37,723515	-91,28224	8,0686
8,1342	605,8	200,00	4	102,5420535	132,70404	37,61862	-91,38714	8,1342
8,1998	603,2	200,00	4	102,6118218	132,80809	37,514566	-91,49119	8,1998
8,2654	598,2	200,00	4	102,6810341	132,91131	37,411342	-91,59441	8,2654
8,3309	580,5	200,00	4	102,749595	133,01357	37,30909	-91,69667	8,3309
8,3965	559,8	200,00	4	102,8177224	133,11517	37,207483	-91,79827	8,3965
8,4621	526,8	200,00	4	102,8853196	133,21599	37,106668	-91,89909	8,4621
8,5277	480,3	200,00	4	102,9523948	133,31603	37,006631	-91,99913	8,5277
8,5933	435,3	200,00	4	103,018956	133,4153	36,907361	-92,0984	8,5933
8,6589	390,5	200,00	4	103,0850111	133,51381	36,808846	-92,19691	8,6589
8,7245	348,2	200,00	4	103,1505675	133,61158	36,711074	-92,29468	8,7245
8,7901	308,2	200,00	3,5	103,2156329	133,70862	36,114035	-92,89172	8,7901
8,8557	265,3	200,00	3,5	103,2802145	133,80494	36,017717	-92,98804	8,8557
8,9213	231,2	200,00	3,5	103,3443194	133,90055	35,92211	-93,08365	8,9213
8,9869	197,9	200,00	3,5	103,4079548	133,99545	35,827203	-93,17855	8,9869
9,0525	160,7	200,00	3,5	103,4711272	134,08967	35,732987	-93,27277	9,0525
9,1181	121,9	200,00	3,5	103,5338436	134,18321	35,639451	-93,36631	9,1181
9,1837	93,9	200,00	3,5	103,5961103	134,27607	35,546586	-93,45917	9,1837
9,2493	75,6	200,00	3,5	103,6579339	134,36828	35,454381	-93,55138	9,2493
9,3149	65,1	200,00	3,5	103,7193205	134,45983	35,362829	-93,64293	9,3149
9,3805	70,2	200,00	3,5	103,7802763	134,55074	35,271918	-93,73384	9,3805
9,4461	92,4	200,00	3,5	103,8408074	134,64102	35,181642	-93,82411	9,4461
9,5117	128,1	200,00	3,5	103,9009195	134,73067	35,09199	-93,91377	9,5117
9,5773	164,3	200,00	4	103,9606184	134,8197	35,02954	-93,5028	9,5773
9,6429	200	200,00	4	104,0199098	134,90813	35,414526	-93,59123	9,6429
9,7085	233,2	200,00	4	104,0787993	134,99596	35,326697	-93,67906	9,7085
9,7741	250,4	200,00	4	104,1372921	135,0832	35,23946	-93,7663	9,7741
9,8397	263,4	200,00	4	104,1953937	135,16985	35,152807	-93,85295	9,8397
9,9053	271,3	200,00	4	104,2531092	135,25593	35,066729	-93,93903	9,9053
9,9709	273,5	200,00	4	104,3104438	135,34144	34,98122	-94,02454	9,9709
10,0365	275,6	200,00	4	104,3674024	135,42639	34,896271	-94,10949	10,0365
10,1021	274,7	200,00	4	104,4239898	135,51078	34,811876	-94,19388	10,1021
10,1677	262,9	200,00	4	104,480211	135,59463	34,728027	-94,27773	10,1677
10,2333	245,9	200,00	4	104,5360707	135,67794	34,644717	-94,36104	10,2333
10,2989	227,5	200,00	4	104,5915734	135,76072	34,56194	-94,44382	10,2989
10,3645	212,8	200,00	4	104,6467237	135,84297	34,479688	-94,52607	10,3645
10,4301	203,1	200,00	4	104,701526	135,9247	34,397955	-94,6078	10,4301
10,4957	194,8	200,00	4	104,7559847	136,00592	34,316734	-94,68902	10,4957
10,5613	174,7	200,00	4	104,8101042	136,08664	34,23602	-94,76974	10,5613
10,6269	147,7	200,00	4	104,8638884	136,16685	34,155805	-94,84995	10,6269
10,6925	111,4	200,00	4	104,9173418	136,24657	34,076085	-94,92967	10,6925
10,7581	70,7	200,00	4	104,9704681	136,32581	33,996851	-95,00891	10,7581
10,8237	33,2	200,00	4	105,0232715	136,40456	33,9181	-95,08766	10,8237
10,8893	11,9	200,00	4	105,0757558	136,48283	33,839824	-95,16593	10,8893
10,9549	5,9	200,00	4	105,1279249	136,56064	33,762018	-95,24374	10,9549
11,0205	1,2	200,00	4	105,1797826	136,63798	33,684677	-95,32108	11,0205
11,0861	0	200,00	4	105,2313324	136,71486	33,607795	-95,39796	11,0861
11,1517	0	200,00	4	105,2825781	136,79129	33,531366	-95,47439	11,1517

11,2173	0	200,00	4	105,3335233	136,86727	33,455386	-95,55037	11,2173
11,2829	0	200,00	4	105,3841714	136,94281	33,379849	-95,62591	11,2829
11,3485	0	200,00	4	105,4345258	137,01791	33,30475	-95,70101	11,3485
11,4141	0	200,00	4	105,48459	137,09257	33,230083	-95,77567	11,4141
11,4797	0	200,00	4	105,5343673	137,16681	33,155845	-95,84991	11,4797
11,5453	0	200,00	4	105,583861	137,24063	33,082029	-95,92373	11,5453
11,6108	0	200,00	4	105,6329995	137,31391	33,008744	-95,99701	11,6108
11,6764	0	200,00	4	105,6819359	137,3869	32,935759	-96,07	11,6764
11,742	0	200,00	4	105,7305981	137,45947	32,863184	-96,14257	11,742
11,8076	0	200,00	4	105,7789892	137,53164	32,791013	-96,21474	11,8076
11,8732	0	200,00	4	105,8271122	137,60342	32,719241	-96,28652	11,8732
11,9388	0	200,00	4	105,8749701	137,67479	32,647865	-96,35789	11,9388
12,0044	0	200,00	4	105,9225657	137,74578	32,576881	-96,42888	12,0044
12,07	0	200,00	4	105,969902	137,81637	32,506283	-96,49947	12,07
12,1356	0	200,00	4	106,0169816	137,88659	32,436068	-96,56969	12,1356
12,2012	0	200,00	4	106,0638075	137,95643	32,366231	-96,63953	12,2012
12,2668	0	200,00	4	106,1103823	138,02589	32,296769	-96,70899	12,2668
12,3324	0	200,00	4	106,1567086	138,09498	32,227677	-96,77808	12,3324
12,398	0	200,00	4	106,2027892	138,1637	32,158952	-96,8468	12,398
12,4636	0	200,00	4	106,2486266	138,23207	32,090589	-96,91517	12,4636
12,5292	0	200,00	4	106,2942234	138,30007	32,022586	-96,98317	12,5292
12,5948	0	200,00	4,5	106,3395821	138,36772	32,454937	-96,55082	12,5948
12,6604	0	200,00	4,5	106,3847051	138,43502	32,38764	-96,61812	12,6604
12,726	0	200,00	4,5	106,429595	138,50197	32,320691	-96,68507	12,726
12,7916	0	200,00	4,5	106,474254	138,56857	32,254086	-96,75167	12,7916
12,8572	0	200,00	4,5	106,5186846	138,63484	32,187822	-96,81793	12,8572
12,9228	0	200,00	4,5	106,562889	138,70076	32,121894	-96,88386	12,9228
12,9884	0	200,00	4,5	106,6068697	138,76636	32,056301	-96,94946	12,9884
13,054	0	200,00	4,5	106,6506287	138,83162	31,991038	-97,01472	13,054
13,1196	0	200,00	4,5	106,6941685	138,89655	31,926103	-97,07965	13,1196

Perfil Topográfico Estación Avila-5 50°



