

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
0,1465	2096,2	30	5	67,65250907	87,554104	83,768552	-45,2372	0,1465
0,293	2090,7	30	5	73,67310898	98,157843	73,164814	-55,84094	0,293
0,4395	2070,9	31	5	77,19493416	104,19713	67,125525	-61,88023	0,4395
0,586	2040,1	61,8	5	79,69370889	104,9011	66,421558	-62,5842	0,586
0,7325	2014,2	87,7	5	81,63190915	106,14932	65,173333	-63,83242	0,7325
0,8789	1998,6	103,3	5	83,21454586	107,73876	63,583901	-65,42186	0,8789
1,0254	1971,8	61,542857	5	84,55362283	112,98618	58,336472	-70,66928	1,0254
1,1719	1956,2	72,0625	5	85,71356766	113,93255	57,390104	-71,61565	1,1719
1,3184	1923,7	93,625	5	86,73670046	113,94653	57,376127	-71,62963	1,3184
1,4649	1903	105,32222	5	87,65191615	114,64818	56,674478	-72,33128	1,4649
1,6114	1886,7	116,31	5	88,47982376	115,30435	56,018302	-72,98745	1,6114
1,7579	1879,1	125,99091	5	89,2356399	115,95428	55,368376	-73,63738	1,7579
1,9044	1882,7	144,9	5	89,93092003	116,08637	55,236287	-73,76947	1,9044
2,0509	1892,2	150,3	5	90,57464627	116,82386	54,498795	-74,50696	2,0509
2,1974	1907,6	153,68462	5	91,17393898	117,58669	53,735969	-75,26979	2,1974
2,3439	1897,3	157,32143	5	91,73453815	118,27879	53,04387	-75,96189	2,3439
2,4903	1898,7	169,62143	5	92,26078994	118,54494	52,777713	-76,22804	2,4903
2,6368	1897,7	171,92667	5	92,75730037	119,19989	52,122766	-76,88299	2,6368
2,7833	1883,7	174,81875	5	93,22695696	119,78923	51,533429	-77,47233	2,7833
2,9298	1876,6	177,78824	5	93,67251607	120,33881	50,98385	-78,02191	2,9298
3,0763	1871	187,73529	5	94,09633028	120,57566	50,746993	-78,25876	3,0763
3,2228	1904	188,3	5	94,50042367	121,1596	50,163055	-78,8427	3,2228
3,3693	1921,4	187,88947	5	94,88655021	121,75516	49,567495	-79,43826	3,3693
3,5158	1900,8	193,85789	5	95,25623981	122,07354	49,249113	-79,75664	3,5158
3,6623	1872,6	195,63	5	95,61083491	122,53476	48,787902	-80,21785	3,6623
3,8088	1854,1	198,11429	5	95,95151994	122,94734	48,375315	-80,63044	3,8088

3,9553	1839	200	5	96,27934516	123,36375	47,958902	-81,04685	3,9553
4,1017	1813,1	200	5	96,59503443	123,83458	47,488079	-81,51768	4,1017
4,2482	1789,4	200	5	96,89985566	124,28919	47,033465	-81,97229	4,2482
4,3947	1758,8	200	5	97,19434125	124,72839	46,594265	-82,41149	4,3947
4,5412	1668,7	200	5	97,47916916	125,15319	46,169469	-82,83629	4,5412
4,6877	1578,6	200	5	97,75495278	125,56449	45,758162	-83,24759	4,6877
4,8342	1528,7	200	5	98,02224885	125,96314	45,359514	-83,64624	4,8342
4,9807	1507,5	200	5	98,28156425	126,34989	44,972767	-84,03299	4,9807
5,1272	1483,8	200	5	98,53336174	126,72542	44,597233	-84,40852	5,1272
5,2737	1447	200	5	98,77806499	127,09038	44,23228	-84,77348	5,2737
5,4202	1398,4	200	5	99,01606281	127,44533	43,877327	-85,12843	5,4202
5,5667	1356,1	200	5	99,24771291	127,79082	43,531841	-85,47392	5,5667
5,7131	1320,6	200	5	99,47319309	128,1271	43,195557	-85,8102	5,7131
5,8596	1290,6	200	5	99,69311598	128,4551	42,867561	-86,1382	5,8596
6,0061	1264	200	5	99,90760775	128,77499	42,547665	-86,45809	6,0061
6,1526	1221,3	200	5	100,1169302	129,08718	42,235479	-86,77028	6,1526
6,2991	1189,2	200	5	100,3213266	129,39202	41,93064	-87,07512	6,2991
6,4456	1147,3	200	5	100,5210236	129,68985	41,632809	-87,37295	6,4456
6,5921	1094,7	200	4,5	100,7162323	129,98098	40,841672	-88,16408	6,5921
6,7386	1071,1	200	4,5	100,9071501	130,26572	40,556935	-88,44882	6,7386
6,8851	1043,9	200	4,5	101,0939616	130,54433	40,278322	-88,72743	6,8851
7,0316	1014,7	200	4,5	101,2768397	130,81708	40,005575	-89,00018	7,0316
7,1781	970,6	200	4,5	101,4559467	131,0842	39,738453	-89,2673	7,1781
7,3245	921,2	200	4,5	101,6313162	131,34575	39,476905	-89,52885	7,3245
7,471	867,4	200	4,5	101,8033313	131,6023	39,220359	-89,7854	7,471
7,6175	801	200	4	101,9720058	131,85386	38,468796	-90,53696	7,6175
7,764	745,9	200	4	102,1374671	132,10063	38,222025	-90,78373	7,764
7,9105	688,5	200	4	102,2998353	132,34279	37,979867	-91,02589	7,9105
8,057	638,5	200	4	102,4592238	132,5805	37,742153	-91,2636	8,057
8,2035	576,7	200	4	102,6157402	132,81393	37,508722	-91,49703	8,2035
8,35	532,6	200	4	102,7694861	133,04323	37,279424	-91,72633	8,35
8,4965	539,1	200	4	102,9205578	133,26854	37,054113	-91,95164	8,4965
8,643	554,6	200	4	103,0690468	133,49	36,832655	-92,1731	8,643
8,7895	541,4	200	4	103,21504	133,70774	36,614919	-92,39084	8,7895
8,9359	494,7	200	4	103,3585226	133,92173	36,400927	-92,60483	8,9359
9,0824	454	200	4	103,4997691	134,13239	36,19027	-92,81549	9,0824
9,2289	420,9	200	4	103,6387554	134,33967	35,982984	-93,02277	9,2289
9,3754	396,5	200	4	103,7755527	134,54369	35,778963	-93,22679	9,3754
9,5219	383,5	200	4	103,9102289	134,74455	35,578105	-93,42765	9,5219
9,6684	397,6	200	4	104,0428488	134,94234	35,380314	-93,62544	9,6684
9,8149	426,6	200	4	104,1734742	135,13716	35,185498	-93,82026	9,8149
9,9614	490,5	200	4,5	104,3021642	135,32909	35,493568	-93,51219	9,9614
10,1079	558	200	4,5	104,4289753	135,51822	35,30444	-93,70132	10,1079
10,2544	620,4	200	5	104,5539617	135,70462	35,618034	-93,38772	10,2544
10,4009	626,3	200	5	104,677175	135,88838	35,434272	-93,57148	10,4009
10,5474	593,3	200	5	104,7986649	136,06958	35,253081	-93,75268	10,5474
10,6938	550,9	200	5	104,9183977	136,24815	35,07451	-93,93125	10,6938
10,8403	516	200	5	105,0365826	136,42441	34,898247	-94,10751	10,8403

10,9868	499	200	5	105,1531809	136,59831	34,724351	-94,28141	10,9868
11,1333	492,8	200	5	105,2682348	136,7699	34,552758	-94,453	11,1333
11,2798	481,5	200	5	105,3817846	136,93925	34,383409	-94,62235	11,2798
11,4263	462,3	200	5	105,493869	137,10641	34,216244	-94,78951	11,4263
11,5728	441,3	200	5	105,6045255	137,27145	34,05121	-94,95455	11,5728
11,7193	386,3	200	5	105,71379	137,43441	33,888252	-95,11751	11,7193
11,8658	337,5	200	5	105,8216971	137,59534	33,727318	-95,27844	11,8658
12,0123	293,7	200	4,5	105,92828	137,7543	33,068358	-95,9374	12,0123
12,1588	210,2	200	4,5	106,0335709	137,91133	32,911326	-96,09443	12,1588
12,3052	248,6	200	4,5	106,1375301	138,06638	32,75628	-96,24948	12,3052
12,4517	319,2	200	5	106,2403295	138,21969	33,102964	-95,90279	12,4517
12,5982	363,8	200	5	106,3419265	138,37122	32,951441	-96,05432	12,5982
12,7447	350,4	200	5	106,4423489	138,52099	32,80167	-96,20409	12,7447
12,8912	303,6	200	5	106,5416235	138,66905	32,65361	-96,35215	12,8912
13,0377	265,4	200	5	106,6397762	138,81543	32,507224	-96,49853	13,0377
13,1842	259,9	200	5	106,7368322	138,96018	32,362473	-96,64328	13,1842
13,3307	288,5	200	5	106,8328157	139,10333	32,219322	-96,78643	13,3307
13,4772	238,4	200	5	106,92775	139,24492	32,077736	-96,92802	13,4772
13,6237	220,1	200	5	107,021658	139,38498	31,937681	-97,06808	13,6237
13,7702	207,4	200	5	107,1145615	139,52353	31,799123	-97,20663	13,7702
13,9166	202	200	5	107,2064195	139,66053	31,662125	-97,34363	13,9166
14,0631	147,4	200	5	107,2973779	139,79619	31,526469	-97,47929	14,0631
14,2096	133,3	200	5	107,3873936	139,93044	31,392218	-97,61354	14,2096
14,3561	175	200	5	107,4764861	140,06331	31,259344	-97,74641	14,3561
14,5026	163	200	5	107,5646739	140,19484	31,12782	-97,87794	14,5026
14,6491	159,9	200	5	107,6519754	140,32504	30,997617	-98,00814	14,6491
14,7956	140,3	200	5	107,7384082	140,45395	30,86871	-98,13705	14,7956
14,9421	110,7	200	5	107,8239893	140,58158	30,741073	-98,26468	14,9421
15,0886	98,8	200	5	107,9087355	140,70797	30,614682	-98,39107	15,0886
15,2351	92,3	200	5	107,9926628	140,83314	30,489512	-98,51624	15,2351
15,3816	86,1	200	5	108,0757868	140,95712	30,36554	-98,64022	15,3816
15,528	81,8	200	5	108,158067	141,07983	30,242826	-98,76293	15,528
15,6745	80,7	200	5	108,2396305	141,20148	30,121181	-98,88458	15,6745
15,821	76,4	200	5	108,3204352	141,32199	30,000668	-99,00509	15,821
15,9675	70,8	200	5	108,4004951	141,44139	29,881266	-99,12449	15,9675
16,114	66,2	200	5	108,4798238	141,5597	29,762954	-99,2428	16,114
16,2605	58	200	5	108,5584345	141,67694	29,645713	-99,36004	16,2605
16,407	46,2	200	5	108,6363401	141,79313	29,529523	-99,47623	16,407
16,5535	38,6	200	5	108,7135532	141,90829	29,414367	-99,59139	16,5535
16,7	35,9	200	5	108,790086	142,02243	29,300225	-99,70553	16,7
16,8465	35,1	200	5	108,8659503	142,13558	29,18708	-99,81868	16,8465
16,993	35,3	200	5	108,9411577	142,24774	29,074914	-99,93084	16,993
17,1394	32,9	200	5	109,0156689	142,35887	28,963788	-100,042	17,1394
17,2859	27,3	200	5	109,0895965	142,46913	28,853531	-100,1522	17,2859
17,4324	24,4	200	5	109,1629002	142,57845	28,744205	-100,2616	17,4324
17,5789	22,4	200	5	109,2355905	142,68686	28,635794	-100,37	17,5789
17,7254	20,5	200	5	109,3076775	142,79437	28,528282	-100,4775	17,7254
17,8719	18,3	200	5	109,3791711	142,901	28,421656	-100,5841	17,8719

18,0184	17,5	200	5	109,450081	143,00676	28,3159	-100,6899	18,0184
18,1649	16,8	200	5	109,5204168	143,11166	28,211	-100,7948	18,1649
18,3114	15	200	5	109,5901876	143,21571	28,106943	-100,8988	18,3114
18,4579	14,7	200	5	109,6594023	143,31894	28,003715	-101,002	18,4579
18,6044	21	200	5	109,7280699	143,42135	27,901304	-101,1045	18,6044
18,7508	15,1	200	5	109,7961526	143,52289	27,799764	-101,206	18,7508
18,8973	2,9	200	5	109,8637517	143,62371	27,698946	-101,3068	18,8973
19,0438	0	200	5	109,9308288	143,72375	27,598906	-101,4069	19,0438
19,1903	0	200	5	109,9973919	143,82302	27,499633	-101,5061	19,1903
19,3368	0	200	5	110,0634487	143,92154	27,401115	-101,6046	19,3368
19,4833	0	200	5	110,1290069	144,01932	27,303341	-101,7024	19,4833
19,6298	0	200	5	110,1940741	144,11636	27,206299	-101,7995	19,6298
19,7763	0	200	5	110,2586574	144,21268	27,109979	-101,8958	19,7763
19,9228	0	200	5	110,3227641	144,30829	27,014369	-101,9914	19,9228
20,0693	0	200	5	110,3864011	144,4032	26,91946	-102,0863	20,0693
20,2158	0	200	5	110,4495752	144,49742	26,825241	-102,1805	20,2158
20,3622	0	200	5	110,5122505	144,59089	26,731767	-102,274	20,3622
20,5087	0	200	5	110,5745192	144,68376	26,638898	-102,3669	20,5087
20,6552	0	200	5	110,6363447	144,77597	26,546691	-102,4591	20,6552
20,8017	0	200	5	110,6977331	144,86752	26,455136	-102,5506	20,8017
20,9482	0	200	5	110,7586908	144,95843	26,364223	-102,6415	20,9482
21,0947	0	200	5	110,8192236	145,04871	26,273943	-102,7318	21,0947
21,2412	0	200	5	110,8793375	145,13837	26,184288	-102,8215	21,2412
21,3877	0	200	5	110,9390382	145,22741	26,09525	-102,9105	21,3877
21,5342	0	200	5	110,9983314	145,31584	26,006819	-102,9989	21,5342
21,6807	0	200	5	111,0572226	145,40367	25,918988	-103,0868	21,6807
21,8272	0	200	5	111,1157171	145,49091	25,831749	-103,174	21,8272
21,9736	0	200	5	111,1737809	145,5775	25,745152	-103,2606	21,9736
22,1201	0	200	5	111,2314983	145,66359	25,659071	-103,3467	22,1201
22,2666	0	200	5	111,2888347	145,7491	25,573559	-103,4322	22,2666
22,4131	0	200	5	111,3457951	145,83405	25,488608	-103,5171	22,4131
22,5596	0	200	5	111,4023845	145,91845	25,40421	-103,6015	22,5596
22,7061	0	200	5	111,4586075	146,0023	25,320358	-103,6854	22,7061
22,8526	0	200	5	111,5144689	146,08561	25,237045	-103,7687	22,8526
22,9991	0	200	5	111,5699734	146,16839	25,154265	-103,8515	22,9991
23,1456	0	200	5	111,6251254	146,25065	25,072011	-103,9337	23,1456
23,2921	0	200	5	111,6799295	146,33238	24,990275	-104,0155	23,2921
23,4386	0	200	5	111,7343899	146,4136	24,909053	-104,0967	23,4386
23,585	0	200	5	111,7884742	146,49427	24,828391	-104,1774	23,585
23,7315	0	200	5	111,8422604	146,57448	24,748173	-104,2576	23,7315
23,878	0	200	5	111,8957155	146,65421	24,668449	-104,3373	23,878
24,0245	0	200	5	111,9488437	146,73344	24,589213	-104,4165	24,0245
24,171	0	200	5	112,0016489	146,8122	24,510459	-104,4953	24,171
24,3175	0	200	5	112,0541351	146,89048	24,432181	-104,5736	24,3175
24,464	0	200	5	112,1063059	146,96828	24,354372	-104,6514	24,464
24,6105	0	200	5	112,1581653	147,04563	24,277029	-104,7287	24,6105
24,757	0	200	5	112,2097169	147,12251	24,200144	-104,8056	24,757
24,9035	0	200	5	112,2609643	147,19894	24,123713	-104,882	24,9035

25,05	0	200	5	112,3119112	147,27493	24,04773	-104,958	25,05
25,1964	0	200	5	112,3625265	147,35041	23,972242	-105,0335	25,1964
25,3429	0	200	5	112,4128828	147,42552	23,89714	-105,1086	25,3429
25,4894	0	200	5	112,4629488	147,50019	23,822471	-105,1833	25,4894
25,6359	0	200	5	112,5127279	147,57443	23,748229	-105,2575	25,6359
25,7824	0	200	5	112,5622234	147,64825	23,674411	-105,3313	25,7824
25,9289	0	200	5	112,6114384	147,72165	23,601011	-105,4047	25,9289
26,0754	0	200	5	112,6603762	147,79463	23,528025	-105,4777	26,0754
26,2219	0	200	5	112,7090397	147,86721	23,455447	-105,5503	26,2219
26,3684	0	200	5	112,7574321	147,93938	23,383274	-105,6225	26,3684
26,5149	0	200	5	112,8055564	148,01116	23,311501	-105,6943	26,5149
26,6614	0	200	5	112,8534156	148,08253	23,240123	-105,7656	26,6614
26,8078	0	200	5	112,9009801	148,15347	23,169185	-105,8366	26,8078
26,9543	0	200	5	112,9483177	148,22407	23,098585	-105,9072	26,9543
27,1008	0	200	5	112,9953988	148,29429	23,028368	-105,9774	27,1008
27,2473	0	200	5	113,0422226	148,36413	22,958529	-106,0472	27,2473
27,3938	0	200	5	113,0888022	148,43359	22,889065	-106,1167	27,3938
27,5403	0	200	5	113,1351299	148,50269	22,819971	-106,1858	27,5403
27,6868	0	200	5	113,1812118	148,57141	22,751244	-106,2545	27,6868
27,8333	0	200	5	113,2270506	148,63978	22,682879	-106,3229	27,8333
27,9798	0	200	5	113,2726487	148,70778	22,614874	-106,3909	27,9798
28,1263	0	200	5	113,3180087	148,77543	22,547223	-106,4585	28,1263
28,2728	0	200	5	113,363133	148,84273	22,479924	-106,5258	28,2728
28,4192	0	200	5	113,4079935	148,90964	22,413019	-106,5927	28,4192
28,5657	0	200	5	113,452654	148,97624	22,346412	-106,6593	28,5657
28,7122	0	200	5	113,497086	149,04251	22,280145	-106,7256	28,7122
28,8587	0	200	5	113,5412918	149,10844	22,214216	-106,7915	28,8587
29,0052	0	200	5	113,5852739	149,17404	22,148621	-106,8571	29,0052
29,1517	0	200	5	113,6290343	149,2393	22,083356	-106,9224	29,1517
29,2982	0	200	5	113,6725754	149,30424	22,018418	-106,9873	29,2982

Perfil Topográfico Estación Avila-5 300°



