

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
0,1467	2034,6	67,3	-2	67,66435885	84,641461	79,681195	-49,32456	0,1467
0,2934	2029,5	72,4	3	73,68495876	94,225563	75,097094	-53,90866	0,2934
0,4401	1984,4	117,5	3	77,20678394	97,5717	71,750957	-57,2548	0,4401
0,5868	1910,4	191,5	1,5	79,70555868	98,87746	68,945196	-60,06056	0,5868
0,7335	1875,2	200	1,5	81,64375894	101,53606	66,286601	-62,71916	0,7335
0,8802	1812,5	200	1,5	83,22738386	103,89789	63,924763	-65,08099	0,8802
1,0269	1789,3	182,48571	1,5	84,56631965	106,44786	61,3748	-67,63096	1,0269
1,1736	1749,1	200	1,5	85,72615859	107,6246	60,198058	-68,8077	1,1736
1,3203	1798,8	200	3,5	86,74920904	109,15039	60,672268	-68,33349	1,3203
1,467	1842,6	200	4	87,66435885	110,51525	59,807402	-69,19835	1,467
1,6137	1853,2	200	4,5	88,49221255	111,74993	59,07273	-69,93303	1,6137
1,7604	1895,2	200	5	89,24798377	112,87709	58,445564	-70,56019	1,7604
1,9071	1975	200	5	89,9432259	113,91399	57,408671	-71,59709	1,9071
2,0537	2035,1	200	5	90,58649664	114,87337	56,449289	-72,55647	2,0537
2,2004	2056,1	200	5	91,1857893	115,76716	55,555496	-73,45026	2,2004
2,3471	2033,9	200	5	91,74638844	116,60325	54,719411	-74,28635	2,3471
2,4938	2037,3	197,35	5	92,27298898	117,48374	53,838917	-75,16684	2,4938
2,6405	2076,9	185,86	5	92,76948001	118,65714	52,66552	-76,34024	2,6405
2,7872	2124,9	172,80625	5	93,23911924	119,89176	51,4309	-77,57486	2,7872
2,9339	2144,1	160,15882	5	93,68466272	121,12275	50,199906	-78,80585	2,9339
3,0806	2113,7	148,2	5	94,10846279	122,34184	48,980816	-80,02494	3,0806
3,2273	2059,9	142,3	5	94,51254333	123,26435	48,058304	-80,94745	3,2273
3,374	2051,4	137,46842	5	94,89865814	124,11813	47,204531	-81,80123	3,374
3,5207	2091,9	131,095	5	95,26833698	125,04792	46,274732	-82,73102	3,5207
3,6674	2113,2	119,195	5	95,62292219	126,32199	45,000671	-84,00509	3,6674
3,8141	2152,3	111,11905	5	95,96359808	127,39227	43,930384	-85,07537	3,8141

3,9608	2179	102,56364	5	96,29141484	128,52569	42,796964	-86,20879	3,9608
4,1075	2162,1	95,486957	5	96,60730802	129,58071	41,741944	-87,26381	4,1075
4,2542	2128,2	81,76087	5	96,91211464	131,2764	40,046253	-88,9595	4,2542
4,4009	2102,2	78,341667	5	97,20658658	132,08765	39,235007	-89,77075	4,4009
4,5476	2108,4	74,948	5	97,49140173	132,89905	38,423602	-90,58215	4,5476
4,6943	2119	71,407692	5	97,76717339	133,73171	37,590945	-91,41481	4,6943
4,841	2122,5	58,592308	5	98,03445823	135,74209	35,580566	-93,42519	4,841
4,9877	2141,9	54,940741	5	98,29376305	136,68806	34,634592	-94,37116	4,9877
5,1344	2154,8	51,089286	5	98,54555057	137,69297	33,629685	-95,37607	5,1344
5,2811	2114,2	48,903448	5	98,7902444	138,45775	32,864904	-96,14085	5,2811
5,4278	1964,4	41,47931	5	99,02823331	140,19269	31,129968	-97,87579	5,4278
5,5745	1902,5	46,743333	5	99,25987497	139,61929	31,703371	-97,30239	5,5745
5,7212	1857,4	53,122581	5	99,48549917	138,95894	32,363716	-96,64204	5,7212
5,8679	1810,7	60,5625	5	99,70541065	138,25515	33,067503	-95,93825	5,8679
6,0145	1732,3	62,640625	5	99,91974716	138,33396	32,988696	-96,01706	6,0145
6,1612	1676,5	73,633333	5	100,1290627	137,34709	33,975568	-95,03019	6,1612
6,3079	1633,6	85,241176	5	100,3334526	136,46928	34,853381	-94,15238	6,3079
6,4546	1579,4	97,734286	5	100,5331432	135,65536	35,667294	-93,33846	6,4546
6,6013	1518,9	106,98286	5	100,728346	135,21289	36,109767	-92,89599	6,6013
6,748	1505	120,59167	5	100,9192581	134,51349	36,809167	-92,19659	6,748
6,8947	1540,4	132,50811	5	101,1060641	134,01518	37,307478	-91,69828	6,8947
7,0414	1603,1	142,14737	5	101,2889369	133,70784	37,614812	-91,39094	7,0414
7,1881	1676,5	146,79737	5	101,4680388	133,71203	37,610631	-91,39513	7,1881
7,3348	1736	152,41538	5	101,6435221	133,6636	37,659059	-91,3467	7,3348
7,4815	1783,9	156,555	5	101,8155302	133,69932	37,62334	-91,38242	7,4815
7,6282	1817,8	159,66585	5	101,984198	133,78926	37,533394	-91,47236	7,6282
7,7749	1858,1	160,57073	5	102,1496528	133,99309	37,32957	-91,67619	7,7749
7,9216	1882,4	161,97381	5	102,3120148	134,16584	37,156812	-91,84894	7,9216
8,0683	1888,1	184,51667	5	102,4713973	133,29013	38,032528	-90,97323	8,0683
8,215	1885,3	185,38378	5	102,6279079	133,48501	37,83765	-91,16811	8,215
8,3617	1909,3	185,57368	5	102,7816482	133,70713	37,615531	-91,39023	8,3617
8,5084	1939,8	184,97179	5	102,9327146	133,96213	37,360529	-91,64523	8,5084
8,6551	1893	185,57	5	103,0811984	134,15724	37,165417	-91,84034	8,6551
8,8018	1836,4	187,51951	5	103,2271865	134,28572	37,036939	-91,96882	8,8018
8,9485	1794,5	190,37381	5	103,3707614	134,36959	36,953062	-92,05269	8,9485
9,0952	1781,4	193,4	5	103,5120016	134,44356	36,879096	-92,12666	9,0952
9,2419	1824,2	195,31591	5	103,6509819	134,56525	36,757402	-92,24835	9,2419
9,3886	1875,7	196,00222	5	103,7877733	134,73897	36,583686	-92,42207	9,3886
9,5353	1872,3	196,73261	5	103,9224438	134,90752	36,415137	-92,59062	9,5353
9,682	1821,2	198,51915	5	104,0550581	135,026	36,296656	-92,7091	9,682
9,8286	1768,2	200	5	104,1855898	135,15523	36,167429	-92,83833	9,8286
9,9753	1736,5	200	5	104,3142759	135,34715	35,975505	-93,03025	9,9753
10,122	1717,6	200	5	104,4410832	135,53627	35,786383	-93,21937	10,122
10,2687	1706,9	200	5	104,5660659	135,72267	35,599982	-93,40577	10,2687
10,4154	1738,3	200	5	104,6892756	135,90643	35,416225	-93,58953	10,4154
10,5621	1769,2	200	5	104,8107621	136,08762	35,235039	-93,77072	10,5621
10,7088	1806	200	5	104,9305727	136,2663	35,056352	-93,9494	10,7088
10,8555	1858,7	200	5	105,0487532	136,44256	34,880096	-94,12566	10,8555

11,0022	1868,9	200	5	105,1653473	136,61645	34,706206	-94,29955	11,0022
11,1489	1839,2	200	5	105,280397	136,78804	34,534619	-94,47114	11,1489
11,2956	1839,5	200	5	105,3939427	136,95738	34,365276	-94,64048	11,2956
11,4423	1843,4	200	5	105,5060232	137,12454	34,198118	-94,80764	11,4423
11,589	1794,9	200	5	105,6166758	137,28957	34,033089	-94,97267	11,589
11,7357	1716,2	200	5	105,7259366	137,45252	33,870136	-95,13562	11,7357
11,8824	1637,5	200	5	105,8338399	137,61345	33,709208	-95,29655	11,8824
12,0291	1559,8	200	5	105,9404193	137,7724	33,550254	-95,4555	12,0291
12,1758	1582,4	200	5	106,0457067	137,92943	33,393227	-95,61253	12,1758
12,3225	1618,4	200	5	106,1497331	138,08458	33,23808	-95,76768	12,3225
12,4692	1600,9	200	5	106,2525284	138,23789	33,08477	-95,92099	12,4692
12,6159	1504,5	200	5	106,3541213	138,3894	32,933253	-96,0725	12,6159
12,7626	1407,5	200	5	106,4545397	138,53917	32,783488	-96,22227	12,7626
12,9093	1375,4	200	5	106,5538104	138,68722	32,635434	-96,37032	12,9093
13,056	1373,1	200	5	106,6519594	138,8336	32,489054	-96,5167	13,056
13,2027	1410,4	200	5	106,7490117	138,97835	32,344309	-96,66145	13,2027
13,3494	1453,4	200	5	106,8449915	139,12149	32,201163	-96,80459	13,3494
13,4961	1448,5	200	5	106,9399223	139,26307	32,059582	-96,94617	13,4961
13,6428	1429,3	200	5	107,0338268	139,40312	31,919532	-97,08622	13,6428
13,7894	1390,9	200	5	107,126664	139,54158	31,781073	-97,22468	13,7894
13,9361	1321,5	200	5	107,2185817	139,67867	31,643986	-97,36177	13,9361
14,0828	1303,1	200	5	107,3095368	139,81432	31,508335	-97,49742	14,0828
14,2295	1318,4	200	5	107,3995494	139,94857	31,374089	-97,63167	14,2295
14,3762	1331,6	200	5	107,4886387	140,08144	31,24122	-97,76454	14,3762
14,5229	1333,5	200	5	107,5768235	140,21296	31,1097	-97,89606	14,5229
14,6696	1287,9	200	5	107,664122	140,34315	30,979502	-98,02625	14,6696
14,8163	1218,7	200	5	107,7505518	140,47206	30,850599	-98,15516	14,8163
14,963	1147,2	200	5	107,8361301	140,59969	30,722967	-98,28279	14,963
15,1097	1169,3	200	5	107,9208734	140,72608	30,596579	-98,40918	15,1097
15,2564	1246,9	200	5	108,0047979	140,85124	30,471413	-98,53434	15,2564
15,4031	1303,6	200	5	108,0879193	140,97521	30,347445	-98,65831	15,4031
15,5498	1279,4	200	5	108,1702527	141,098	30,224652	-98,7811	15,5498
15,6965	1210,4	200	5	108,2518131	141,21964	30,103012	-98,90274	15,6965
15,8432	1175,5	200	5	108,3326147	141,34015	29,982503	-99,02325	15,8432
15,9899	1120,2	200	5	108,4126715	141,45955	29,863105	-99,14265	15,9899
16,1366	1045,2	200	5	108,4919972	141,57786	29,744798	-99,26096	16,1366
16,2833	998,7	200	5	108,5706051	141,6951	29,627561	-99,3782	16,2833
16,43	953,2	200	5	108,6485078	141,81128	29,511376	-99,49438	16,43
16,5767	976,3	200	5	108,7257181	141,92643	29,396224	-99,60953	16,5767
16,7234	987,4	200	5	108,8022481	142,04057	29,282086	-99,72367	16,7234
16,8701	1041,5	200	5	108,8781097	142,15371	29,168945	-99,83681	16,8701
17,0168	987,1	200	5	108,9533145	142,26587	29,056784	-99,94897	17,0168
17,1635	945,2	200	5	109,0278737	142,37707	28,945585	-100,0602	17,1635
17,3102	965,2	200	5	109,1017983	142,48732	28,835333	-100,1704	17,3102
17,4569	998,2	200	5	109,1750991	142,59665	28,726011	-100,2797	17,4569
17,6036	971,3	200	5	109,2477864	142,70505	28,617605	-100,3882	17,6036
17,7502	985,6	200	5	109,3198216	142,81249	28,51017	-100,4956	17,7502
17,8969	975,4	200	5	109,3913128	142,91911	28,403547	-100,6022	17,8969

18,0436	965,7	200	5	109,4622204	143,02486	28,297795	-100,708	18,0436
18,1903	937	200	5	109,5325538	143,12976	28,192899	-100,8129	18,1903
18,337	891,6	200	5	109,6023223	143,23381	28,088845	-100,9169	18,337
18,4837	869,7	200	5	109,6715348	143,33704	27,985621	-101,0201	18,4837
18,6304	837,6	200	5	109,7402002	143,43944	27,883212	-101,1225	18,6304
18,7771	790,5	200	5	109,808327	143,54105	27,781607	-101,2241	18,7771
18,9238	733,2	200	5	109,8759236	143,64186	27,680793	-101,325	18,9238
19,0705	704,1	200	5	109,9429982	143,7419	27,580757	-101,425	19,0705
19,2172	687,4	200	5	110,0095588	143,84117	27,481488	-101,5243	19,2172
19,3639	669,6	200	5	110,0756132	143,93968	27,382973	-101,6228	19,3639
19,5106	664,4	200	5	110,1411691	144,03745	27,285202	-101,7206	19,5106
19,6573	653,4	200	5	110,2062339	144,13449	27,188164	-101,8176	19,6573
19,804	630,5	200	5	110,2708149	144,23081	27,091847	-101,9139	19,804
19,9507	609,2	200	5	110,3349193	144,32642	26,996241	-102,0095	19,9507
20,0974	603	200	5	110,3985541	144,42132	26,901335	-102,1044	20,0974
20,2441	605	200	5	110,4617261	144,51554	26,80712	-102,1986	20,2441
20,3908	595,5	200	5	110,5244419	144,60907	26,713584	-102,2922	20,3908
20,5375	585,8	200	5	110,5867081	144,70194	26,62072	-102,385	20,5375
20,6842	598,2	200	5	110,6485311	144,79414	26,528516	-102,4772	20,6842
20,8309	644,9	200	5	110,7099173	144,88569	26,436964	-102,5688	20,8309
20,9776	693	200	5	110,7708726	144,9766	26,346054	-102,6597	20,9776
21,1243	719,4	200	5	110,8314031	145,06688	26,255778	-102,75	21,1243
21,271	737,1	200	5	110,8915147	145,15653	26,166127	-102,8396	21,271
21,4177	756	200	5	110,9512132	145,24556	26,077092	-102,9287	21,4177
21,5644	788,7	200	5	111,0105042	145,33399	25,988665	-103,0171	21,5644
21,711	827,5	200	5	111,0693531	145,42176	25,900897	-103,1049	21,711
21,8577	835,7	200	5	111,1278458	145,509	25,81366	-103,1921	21,8577
22,0044	820,9	200	5	111,1859472	145,59565	25,727007	-103,2787	22,0044
22,1511	851,7	200	5	111,2436625	145,68173	25,64093	-103,3648	22,1511
22,2978	894,1	200	5	111,3009969	145,76724	25,55542	-103,4503	22,2978
22,4445	859,3	200	5	111,3579553	145,85218	25,470472	-103,5353	22,4445
22,5912	845,2	200	5	111,4145426	145,93658	25,386077	-103,6197	22,5912
22,7379	823,2	200	5	111,4707636	146,02043	25,302228	-103,7035	22,7379
22,8846	784,8	200	5	111,5266231	146,10374	25,218919	-103,7868	22,8846
23,0313	744,2	200	5	111,5821256	146,18652	25,136141	-103,8696	23,0313
23,178	691,6	200	5	111,6372757	146,26877	25,05389	-103,9519	23,178
23,3247	639,2	200	5	111,6920779	146,3505	24,972157	-104,0336	23,3247
23,4714	634	200	5	111,7465365	146,43172	24,890937	-104,1148	23,4714
23,6181	685,2	200	5	111,8006557	146,51243	24,810223	-104,1955	23,6181
23,7648	738,8	200	5	111,8544398	146,59265	24,730009	-104,2757	23,7648
23,9115	759	200	5	111,907893	146,67237	24,650288	-104,3555	23,9115
24,0582	753,9	200	5	111,9610192	146,7516	24,571055	-104,4347	24,0582
24,2049	743	200	5	112,0138224	146,83035	24,492303	-104,5135	24,2049
24,3516	746,2	200	5	112,0663066	146,90863	24,414028	-104,5917	24,3516
24,4983	753,1	200	5	112,1184755	146,98643	24,336222	-104,6695	24,4983
24,645	755,1	200	5	112,170333	147,06378	24,258881	-104,7469	24,645
24,7917	768,2	200	5	112,2218827	147,14066	24,182	-104,8238	24,7917
24,9384	777,8	200	5	112,2731283	147,21709	24,105571	-104,9002	24,9384

25,0851	754,8	200	5	112,3240733	147,29307	24,029591	-104,9762	25,0851
25,2318	710,5	200	5	112,3747212	147,3686	23,954054	-105,0517	25,2318
25,3785	662,6	200	5	112,4250756	147,4437	23,878955	-105,1268	25,3785
25,5251	614,5	200	5	112,4751056	147,51832	23,80434	-105,2014	25,5251
25,6718	593,7	200	5	112,524883	147,59256	23,730101	-105,2757	25,6718
25,8185	613,9	200	5	112,5743767	147,66637	23,656286	-105,3495	25,8185
25,9652	642,1	200	5	112,62359	147,73977	23,582888	-105,4229	25,9652
26,1119	655,9	200	5	112,6725261	147,81275	23,509904	-105,4959	26,1119
26,2586	635,5	200	5	112,7211879	147,88533	23,437329	-105,5684	26,2586
26,4053	576,7	200	5	112,7695787	147,9575	23,365159	-105,6406	26,4053
26,552	528,5	200	5	112,8177014	148,02927	23,293388	-105,7124	26,552
26,6987	506,1	200	5	112,8655589	148,10064	23,222013	-105,7837	26,6987
26,8454	532,8	200	5	112,9131542	148,17163	23,151029	-105,8547	26,8454
26,9921	554,4	200	5	112,9604901	148,24223	23,080431	-105,9253	26,9921
27,1388	557,3	200	5	113,0075694	148,31244	23,010217	-105,9955	27,1388
27,2855	576,6	200	5	113,0543949	148,38228	22,94038	-106,0654	27,2855
27,4322	548,5	200	5	113,1009693	148,45174	22,870919	-106,1348	27,4322
27,5789	481	200	5	113,1472954	148,52083	22,801827	-106,2039	27,5789
27,7256	414,4	200	5	113,1933756	148,58955	22,733103	-106,2727	27,7256
27,8723	385,7	200	5	113,2392127	148,65792	22,664741	-106,341	27,8723
28,019	404,6	200	5	113,2848092	148,72592	22,596738	-106,409	28,019
28,1657	435	200	5	113,3301676	148,79357	22,52909	-106,4767	28,1657
28,3124	453,8	200	5	113,3752903	148,86086	22,461793	-106,544	28,3124
28,4591	492,6	200	5	113,4201798	148,92781	22,394844	-106,6109	28,4591
28,6058	520,3	200	5	113,4648385	148,99442	22,32824	-106,6775	28,6058
28,7525	508,8	200	5	113,5092688	149,06068	22,261976	-106,7438	28,7525
28,8992	456,3	200	5	113,553473	149,12661	22,196049	-106,8097	28,8992
29,0459	509,5	200	5	113,5974533	149,1922	22,130456	-106,8753	29,0459
29,1926	545,5	200	5	113,6412121	149,25746	22,065194	-106,9406	29,1926
29,3393	506,9	200	5	113,6847515	149,3224	22,000258	-107,0055	29,3393

Perfil Topográfico Estación Avila-5 110°



