

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
0,0519	2080,5	30	0	58,63910373	71,679309	94,643347	-34,36241	0,0519
0,1038	2089,9	30	5	64,65970364	82,283048	89,039609	-39,96615	0,1038
0,1556	2090,4	30	5	68,17594843	88,476008	82,846648	-46,15911	0,1556
0,2075	2088,6	30	5	70,67611859	92,879415	78,443242	-50,56251	0,2075
0,2594	2064,8	37,1	5	72,61515601	95,37371	75,948946	-53,05681	0,2594
0,3113	2031,7	70,2	3,5	74,19933899	95,207776	74,614881	-54,39088	0,3113
0,3632	1998,9	103	2,5	75,53867337	95,583381	73,239275	-55,76648	0,3632
0,4151	1973,6	128,3	1,5	76,69881124	96,34342	71,479237	-57,52652	0,4151
0,4669	1953,2	148,7	1,5	77,72023405	97,184477	70,638179	-58,36758	0,4669
0,5188	1932,7	169,2	1,5	78,63575592	97,918042	69,904615	-59,10114	0,5188
0,5707	1910,5	191,4	1	79,46391402	98,518349	68,804308	-60,20145	0,5707
0,6226	1889,8	200	1	80,2199389	99,412552	67,910104	-61,09565	0,6226
0,6745	1871,3	200	1	80,91539565	100,44977	66,872891	-62,13287	0,6745
0,7264	1850,1	200	1	81,55927328	101,41005	65,912604	-63,09315	0,7264
0,7782	1826,2	200	1	82,1575811	102,30238	65,02028	-63,98548	0,7782
0,8301	1803,6	200	1	82,71836485	103,13874	64,18392	-64,82184	0,8301
0,882	1777,4	200	1	83,24512828	103,92436	63,398298	-65,60746	0,882
0,9339	1747,2	200	0	83,74176408	104,66505	61,65761	-67,34815	0,9339
0,9858	1716,3	200	0	84,21153285	105,36567	60,95699	-68,04877	0,9858
1,0377	1688,6	200	0	84,65719291	106,03033	60,292327	-68,71343	1,0377
1,0895	1662,6	200	0	85,08030126	106,66136	59,661298	-69,34446	1,0895
1,1414	1640,2	200	0	85,48451394	107,26421	59,05845	-69,94731	1,1414
1,1933	1623,5	200	0	85,87074939	107,84024	58,482414	-70,52334	1,1933
1,2452	1610,2	200	0	86,24053881	108,39175	57,930905	-71,07485	1,2452
1,2971	1597,7	200	0	86,59522576	108,92074	57,401921	-71,60384	1,2971
1,349	1589,3	200	0	86,93599557	109,42896	56,893692	-72,11206	1,349

1,4008	1582,4	200	1	87,26327923	109,91708	57,405577	-71,60018	1,4008
1,4527	1569	200	1	87,5792753	110,38836	56,934297	-72,07146	1,4527
1,5046	1553,5	200	1	87,88417772	110,8431	56,479561	-72,5262	1,5046
1,5565	1539,5	200	1	88,17873907	111,28241	56,040249	-72,96551	1,5565
1,6084	1528,1	200	1	88,46363786	111,70731	55,615347	-73,39041	1,6084
1,6602	1518	200	1	88,73896476	112,11794	55,204721	-73,80104	1,6602
1,7121	1509,1	200	1	89,00633912	112,5167	54,805956	-74,1998	1,7121
1,764	1500,6	200	1	89,26572819	112,90356	54,419099	-74,58666	1,764
1,8159	1490,6	200	1	89,51759515	113,27919	54,043462	-74,96229	1,8159
1,8678	1478,8	200	1,5	89,76236399	113,64425	54,178411	-74,82735	1,8678
1,9197	1466,4	200	1,5	90,00042387	113,99929	53,823365	-75,18239	1,9197
1,9715	1454,3	200	1,5	90,2316922	114,34421	53,478448	-75,52731	1,9715
2,0234	1442,2	200	1,5	90,45739149	114,68082	53,141838	-75,86392	2,0234
2,0753	1433,4	200	1,5	90,67737429	115,0089	52,813753	-76,192	2,0753
2,1272	1429,2	200	1,5	90,89192306	115,32888	52,493772	-76,51198	2,1272
2,1791	1427,6	200	1,5	91,10129979	115,64115	52,181505	-76,82425	2,1791
2,231	1425,6	200	1,5	91,30574798	115,94607	51,876588	-77,12917	2,231
2,2828	1418,9	200	1,5	91,50511385	116,24341	51,579251	-77,42651	2,2828
2,3347	1406,8	200	1,5	91,70037824	116,53463	51,288031	-77,71773	2,3347
2,3866	1395,1	200	2,5	91,8913493	116,81944	52,003215	-77,00254	2,3866
2,4385	1390,3	200	2,5	92,07821177	117,09813	51,724526	-77,28123	2,4385
2,4904	1391,4	200	2,5	92,26113873	117,37095	51,451706	-77,55405	2,4904
2,5423	1393,6	200	2,5	92,44029252	117,63814	51,184514	-77,82124	2,5423
2,5941	1391,9	200	3	92,61549085	117,89944	51,423221	-77,58254	2,5941
2,646	1382,7	200	3	92,78755337	118,15605	51,166605	-77,83915	2,646
2,6979	1366,3	200	3	92,95627354	118,40768	50,914973	-78,09078	2,6979
2,7498	1347,3	200	3	93,12177873	118,65452	50,668137	-78,33762	2,7498
2,8017	1326,1	200	3	93,28418918	118,89674	50,425916	-78,57984	2,8017
2,8535	1302,4	200	2,5	93,44331411	119,13406	49,688595	-79,31716	2,8535
2,9054	1281,2	200	2,5	93,59987522	119,36756	49,455098	-79,55066	2,9054
2,9573	1266,7	200	2,5	93,75366424	119,59692	49,225735	-79,78002	2,9573
3,0092	1257,1	200	2,5	93,90477764	119,82229	49,000362	-80,00539	3,0092
3,0611	1250,4	200	2,5	94,05330692	120,04381	48,778844	-80,22691	3,0611
3,113	1243,4	200	3	94,19933899	120,26161	49,06105	-79,94471	3,113
3,1648	1231,6	200	3	94,34268197	120,47539	48,847266	-80,15849	3,1648
3,2167	1214,4	200	3	94,48396775	120,68611	48,636551	-80,36921	3,2167
3,2686	1197	200	3	94,6229921	120,89345	48,429208	-80,57655	3,2686
3,3205	1181,8	200	3	94,75982626	121,09752	48,225132	-80,78062	3,3205
3,3724	1169,5	200	3	94,89453819	121,29844	48,024221	-80,98154	3,3724
3,4243	1161,9	200	3	95,02719269	121,49628	47,826378	-81,17938	3,4243
3,4761	1153,3	200	3	95,15760181	121,69077	47,631884	-81,37387	3,4761
3,528	1143,5	200	3	95,2863281	121,88276	47,4399	-81,56586	3,528
3,5799	1135	200	3	95,41317448	122,07194	47,25072	-81,75504	3,5799
3,6318	1127,6	200	3	95,53819506	122,25839	47,064263	-81,94149	3,6318
3,6837	1116,7	200	3	95,66144165	122,44221	46,880451	-82,12531	3,6837
3,7356	1102,8	200	3	95,78296391	122,62345	46,699211	-82,30655	3,7356
3,7874	1088,1	200	3	95,90258007	122,80184	46,520814	-82,48494	3,7874
3,8393	1074,4	200	3	96,02079755	122,97815	46,344503	-82,66125	3,8393

3,8912	1062,1	200	3	96,13742764	123,1521	46,17056	-82,8352	3,8912
3,9431	1045,9	200	3	96,2525124	123,32374	45,998921	-83,00684	3,9431
3,995	1028,7	200	3	96,36609225	123,49313	45,829526	-83,17623	3,995
4,0469	1014,6	200	3	96,47820603	123,66034	45,662319	-83,34344	4,0469
4,0987	1001,5	200	3	96,58867921	123,8251	45,497557	-83,5082	4,0987
4,1506	990	200	3	96,69797421	123,9881	45,334554	-83,6712	4,1506
4,2025	979,5	200	3	96,80591102	124,14908	45,173575	-83,83218	4,2025
4,2544	968,3	200	3	96,91252297	124,30808	45,014573	-83,99118	4,2544
4,3063	957,5	200	3	97,01784221	124,46516	44,857498	-84,14826	4,3063
4,3581	948,5	200	3	97,1217004	124,62005	44,702603	-84,30315	4,3581
4,41	939,5	200	3	97,22452836	124,77341	44,549244	-84,45651	4,41
4,4619	932,4	200	3	97,32615323	124,92498	44,397679	-84,60808	4,4619
4,5138	928,2	200	3	97,42660282	125,07479	44,247868	-84,75789	4,5138
4,5657	923,1	200	3	97,52590401	125,22289	44,099769	-84,90599	4,5657
4,6176	917,4	200	3	97,62408276	125,36931	43,953343	-85,05241	4,6176
4,6694	911,1	200	3	97,72097815	125,51382	43,808832	-85,19692	4,6694
4,7213	903,1	200	3	97,81698852	125,65702	43,665641	-85,34012	4,7213
4,7732	890	200	3	97,91194921	125,79864	43,524016	-85,48174	4,7732
4,8251	871	200	3	98,00588294	125,93873	43,383922	-85,62183	4,8251
4,877	853,3	200	3	98,09881168	126,07733	43,245327	-85,76043	4,877
4,9289	840,8	200	3	98,19075671	126,21446	43,108199	-85,89756	4,9289
4,9807	833,7	200	3	98,28156425	126,34989	42,972767	-86,03299	4,9807
5,0326	824,7	200	3	98,37160484	126,48418	42,83848	-86,16728	5,0326
5,0845	811,8	200	3	98,46072161	126,61709	42,70557	-86,30019	5,0845
5,1364	799,9	200	3	98,54893332	126,74865	42,57401	-86,43175	5,1364
5,1883	791,3	200	3	98,63625817	126,87888	42,443772	-86,56198	5,1883
5,2402	782,2	200	3	98,72271383	127,00783	42,314831	-86,69093	5,2402
5,292	772,2	200	3	98,80815328	127,13525	42,187406	-86,81835	5,292
5,3439	760,4	200	3	98,89292303	127,26168	42,060979	-86,94478	5,3439
5,3958	747	200	3	98,97687345	127,38688	41,935774	-87,06998	5,3958
5,4477	735,1	200	3	99,06002024	127,51089	41,811768	-87,19399	5,4477
5,4996	722,4	200	3	99,14237864	127,63372	41,688938	-87,31682	5,4996
5,5515	708,9	200	3	99,22396346	127,7554	41,567261	-87,4385	5,5515
5,6033	696,4	200	3	99,30463408	127,87571	41,446948	-87,55881	5,6033
5,6552	682,9	200	3	99,38471595	127,99514	41,327513	-87,67824	5,6552
5,7071	668	200	3	99,46406622	128,11349	41,209169	-87,79659	5,7071
5,759	646,3	200	3	99,54269814	128,23076	41,091896	-87,91386	5,759
5,8109	619,9	200	3	99,62062461	128,34698	40,975676	-88,03008	5,8109
5,8627	594,3	200	3	99,69771	128,46195	40,86071	-88,14505	5,8627
5,9146	571,3	200	3	99,77426415	128,57612	40,746536	-88,25922	5,9146
5,9665	551,3	200	3	99,85014947	128,6893	40,633359	-88,3724	5,9665
6,0184	534,2	200	3	99,92537755	128,80149	40,521163	-88,48459	6,0184
6,0703	518,3	200	3	99,99995967	128,91273	40,409931	-88,59583	6,0703
6,1222	501,8	200	3	100,0739068	129,02301	40,299645	-88,70611	6,1222
6,174	481,8	200	3	100,1470891	129,13216	40,1905	-88,81526	6,174
6,2259	456,7	200	3	100,2197994	129,2406	40,082059	-88,9237	6,2259
6,2778	432,1	200	3	100,2919061	129,34814	39,974518	-89,03124	6,2778
6,3297	409,8	200	3	100,3634191	129,45479	39,867863	-89,13789	6,3297

6,3816	399,3	200	3	100,4343482	129,56058	39,762078	-89,24368	6,3816
6,4335	389,6	200	3	100,5047027	129,66551	39,65715	-89,34861	6,4335
6,4853	376,3	200	3	100,574358	129,76939	39,553266	-89,45249	6,4853
6,5372	358,2	200	3	100,643592	129,87265	39,450009	-89,55575	6,5372
6,5891	335,4	200	3	100,7122785	129,97509	39,347569	-89,65819	6,5891
6,641	309	200	3	100,7804262	130,07672	39,245933	-89,75982	6,641
6,6929	290,9	200	3	100,8480433	130,17757	39,145088	-89,86067	6,6929
6,7448	276,3	200	3	100,9151381	130,27763	39,045022	-89,96073	6,7448
6,7966	261,3	200	3	100,9815908	130,37674	38,945913	-90,05984	6,7966
6,8485	247,1	200	3	101,0476658	130,47529	38,847368	-90,15839	6,8485
6,9004	232,9	200	3	101,1132419	130,57309	38,749567	-90,25619	6,9004
6,9523	218,9	200	3	101,1783267	130,67016	38,652499	-90,35326	6,9523
7,0042	206,9	200	3	101,2429273	130,7665	38,556153	-90,4496	7,0042
7,0561	198,4	200	3	101,3070511	130,86214	38,460518	-90,54524	7,0561
7,1079	194,6	200	3	101,3705828	130,95689	38,365766	-90,63999	7,1079
7,1598	197,5	200	3	101,4337744	131,05114	38,271521	-90,73424	7,1598
7,2117	203,3	200	3	101,4965096	131,1447	38,177957	-90,8278	7,2117
7,2636	210,9	200	3	101,558795	131,23759	38,085064	-90,92069	7,2636
7,3155	209,9	200	3	101,6206369	131,32982	37,992832	-91,01292	7,3155
7,3673	203,7	200	3	101,6819237	131,42123	37,901428	-91,10433	7,3673
7,4192	193,9	200	3	101,7428981	131,51217	37,81049	-91,19527	7,4192
7,4711	180,3	200	3	101,8034476	131,60247	37,720186	-91,28557	7,4711
7,523	166,3	200	3	101,8635778	131,69215	37,630507	-91,37525	7,523
7,5749	151,5	200	3	101,9232947	131,78121	37,541444	-91,46431	7,5749
7,6268	139,2	200	3	101,9826037	131,86967	37,45299	-91,55277	7,6268
7,6786	129,7	200	3	102,0413975	131,95735	37,365304	-91,64045	7,6786
7,7305	118,8	200	3	102,0999083	132,04462	37,278041	-91,72772	7,7305
7,7824	94,1	200	3	102,1580276	132,1313	37,191361	-91,8144	7,7824
7,8343	67,6	200	3	102,2157605	132,2174	37,105257	-91,9005	7,8343
7,8862	42,7	200	3	102,2731123	132,30293	37,019722	-91,98603	7,8862
7,9381	28,6	200	3	102,3300879	132,38791	36,934748	-92,07101	7,9381
7,9899	13,4	200	3	102,3865834	132,47217	36,85049	-92,15527	7,9899
8,0418	0	200	3	102,4428219	132,55604	36,766615	-92,23914	8,0418
8,0937	0	200	3	102,4986986	132,63938	36,68328	-92,32248	8,0937
8,1456	0	200	3	102,5542182	132,72218	36,600477	-92,40528	8,1456
8,1975	0	200	3	102,6093851	132,80446	36,5182	-92,48756	8,1975
8,2494	0,3	200	3	102,6642038	132,88621	36,436443	-92,56931	8,2494
8,3012	0,3	200	3	102,7185741	132,9673	36,355354	-92,6504	8,3012
8,3531	0	200	3	102,7727102	133,04804	36,274615	-92,73114	8,3531
8,405	0	200	3	102,8265109	133,12828	36,194376	-92,81138	8,405
8,4569	0	200	3	102,8799805	133,20803	36,114631	-92,89113	8,4569
8,5088	0	200	3	102,9331229	133,28728	36,035374	-92,97038	8,5088
8,5606	0	200	3	102,9858407	133,36591	35,95675	-93,04901	8,5606
8,6125	0	200	3	103,0383413	133,44421	35,87845	-93,12731	8,6125
8,6644	0	200	3	103,0905264	133,52204	35,80062	-93,20514	8,6644
8,7163	0	200	3	103,1424	133,5994	35,723255	-93,2825	8,7163
8,7682	0	200	3,5	103,1939655	133,67631	36,14635	-92,85941	8,7682
8,8201	0	200	3,5	103,2452268	133,75276	36,069898	-92,93586	8,8201

8,8719	0	200	3,5	103,2960893	133,82862	35,994041	-93,01172	8,8719
8,9238	0	200	3,5	103,3467531	133,90418	35,91848	-93,08728	8,9238
8,9757	0	200	3,5	103,3971231	133,9793	35,843358	-93,1624	8,9757
9,0276	0	200	3,5	103,4472027	134,05399	35,768669	-93,23709	9,0276
9,0795	0	200	3,5	103,4969952	134,12825	35,694407	-93,31135	9,0795
9,1314	0	200	3,5	103,5465039	134,20209	35,620569	-93,38519	9,1314
9,1832	0	200	3,5	103,5956374	134,27537	35,547291	-93,45847	9,1832
9,2351	0	200	3,5	103,6445886	134,34837	35,474285	-93,53147	9,2351
9,287	0	200	3,5	103,6932655	134,42097	35,401687	-93,60407	9,287
9,3389	0	200	3,5	103,7416711	134,49316	35,329495	-93,67626	9,3389
9,3908	0	200	3,5	103,7898084	134,56495	35,257702	-93,74805	9,3908
9,4427	0	200	3,5	103,8376804	134,63635	35,186305	-93,81945	9,4427
9,4945	0	200	3,5	103,8851985	134,70722	35,115436	-93,89032	9,4945
9,5464	0	200	3,5	103,9325491	134,77784	35,044817	-93,96094	9,5464
9,5983	0	200	3,5	103,979643	134,84808	34,97458	-94,03118	9,5983
9,6502	0	200	3,5	104,0264829	134,91793	34,904723	-94,10103	9,6502
9,7021	0	200	3,5	104,0730715	134,98742	34,83524	-94,17052	9,7021
9,754	0	200	3,5	104,1194116	135,05653	34,766128	-94,23963	9,754
9,8058	0	200	3,5	104,1654172	135,12514	34,697514	-94,30824	9,8058
9,8577	0	200	3,5	104,2112685	135,19353	34,629131	-94,37663	9,8577
9,9096	0	200	3,5	104,2568791	135,26155	34,561107	-94,44465	9,9096
9,9615	0	200	3,5	104,3022514	135,32922	34,493438	-94,51232	9,9615
10,0134	0	200	3,5	104,3473879	135,39654	34,426121	-94,57964	10,0134
10,0652	0	200	3,5	104,3922048	135,46338	34,359281	-94,64648	10,0652
10,1171	0	200	3,5	104,4368774	135,53	34,292655	-94,7131	10,1171
10,169	0	200	3,5	104,4813215	135,59629	34,226371	-94,77939	10,169
10,2209	0	200	3,5	104,5255394	135,66223	34,160424	-94,84533	10,2209
10,2728	0	200	3,5	104,5695332	135,72785	34,094811	-94,91095	10,2728
10,3247	0	200	3,5	104,6133054	135,79313	34,029528	-94,97623	10,3247
10,3765	0	200	4	104,6567744	135,85796	34,464698	-94,54106	10,3765

Perfil Topográfico Estación Avila-5 340°



