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|--------------------------------|-----------|
| 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 |
| 0,1091 | 2072,5 | 30,00 | 3 | 65,09225158 | 83,044869 | 86,277787 | -42,72797 | 0,1091 |
| 0,2183 | 2086,7 | 30,00 | 5 | 71,11683129 | 93,655617 | 77,66704 | -51,33872 | 0,2183 |
| 0,3274 | 2113 | 30,00 | 5 | 74,63733007 | 99,85607 | 71,466587 | -57,53917 | 0,3274 |
| 0,4365 | 2090,6 | 30,00 | 5 | 77,13544153 | 104,25585 | 67,066806 | -61,93895 | 0,4365 |
| 0,5457 | 2050,4 | 51,50 | 5 | 79,07483565 | 104,83259 | 66,490069 | -62,51569 | 0,5457 |
| 0,6548 | 2023,3 | 78,60 | 5 | 80,65792999 | 105,18272 | 66,139933 | -62,86582 | 0,6548 |
| 0,7639 | 2012,5 | 89,40 | 5 | 81,99648677 | 106,62697 | 64,695691 | -64,31007 | 0,7639 |
| 0,8731 | 1998,5 | 103,40 | 5 | 83,15703634 | 107,64194 | 63,680721 | -65,32504 | 0,8731 |
| 0,9822 | 1968,3 | 133,60 | 5 | 84,17975517 | 107,73091 | 63,591747 | -65,41401 | 0,9822 |
| 1,0913 | 1978,4 | 66,16 | 5 | 85,09463968 | 113,44216 | 57,880494 | -71,12526 | 1,0913 |
| 1,2005 | 2024,9 | 67,24 | 5 | 85,92299986 | 114,70667 | 56,615982 | -72,38977 | 1,2005 |
| 1,3096 | 2064,6 | 69,45 | 5 | 86,6785299 | 115,74575 | 55,57691 | -73,42885 | 1,3096 |
| 1,4187 | 2114,5 | 61,99 | 5 | 87,37356795 | 117,61793 | 53,704731 | -75,30103 | 1,4187 |
| 1,5278 | 2167,7 | 51,34 | 5 | 88,01708669 | 119,91486 | 51,407799 | -77,59796 | 1,5278 |
| 1,637 | 2221,3 | 38,21 | 5 | 88,61673016 | 122,87843 | 48,444231 | -80,56153 | 1,637 |
| 1,7461 | 2259,7 | 30,00 | 5 | 89,17713882 | 125,4642 | 45,858453 | -83,1473 | 1,7461 |
| 1,8552 | 2283,3 | 30,00 | 5 | 89,70357129 | 126,39138 | 44,931278 | -84,07448 | 1,8552 |
| 1,9644 | 2300,5 | 30,00 | 5 | 90,20035508 | 127,26634 | 44,056321 | -84,94944 | 1,9644 |
| 2,0735 | 2311,6 | 30,00 | 5 | 90,66983737 | 128,09321 | 43,229449 | -85,77631 | 2,0735 |
| 2,1826 | 2296,2 | 30,00 | 5 | 91,11523959 | 128,87767 | 42,444987 | -86,56077 | 2,1826 |
| 2,2918 | 2241,7 | 30,00 | 5 | 91,53929087 | 129,62453 | 41,69813 | -87,30763 | 2,2918 |
| 2,4009 | 2161,8 | 30,00 | 5 | 91,94323801 | 130,33598 | 40,986681 | -88,01908 | 2,4009 |
| 2,51 | 2067,5 | 30,00 | 5 | 92,329231 | 131,0158 | 40,306854 | -88,6989 | 2,51 |
| 2,6192 | 1986 | 30,00 | 5 | 92,69912981 | 131,66728 | 39,655372 | -89,35038 | 2,6192 |
| 2,7283 | 1920,8 | 30,00 | 5 | 93,05359903 | 132,29159 | 39,031066 | -89,97469 | 2,7283 |
| 2,8374 | 1876,8 | 30,00 | 5 | 93,39416786 | 132,89142 | 38,431241 | -90,57452 | 2,8374 |

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|--------|--------|--------|-----|-------------|-----------|-----------|-----------|--------|
| 2,9466 | 1807,7 | 30,00 | 5 | 93,72218026 | 133,46912 | 37,853532 | -91,15222 | 2,9466 |
| 3,0557 | 1734,9 | 30,00 | 5 | 94,03797086 | 134,02531 | 37,297348 | -91,70841 | 3,0557 |
| 3,1648 | 1667,6 | 38,13 | 5 | 94,34268197 | 132,78214 | 38,54052 | -90,46524 | 3,1648 |
| 3,274 | 1610,3 | 57,02 | 4,5 | 94,63733007 | 130,28537 | 40,537283 | -88,46847 | 3,274 |
| 3,3831 | 1545 | 77,02 | 4,5 | 94,92205328 | 128,50406 | 42,318599 | -86,68716 | 3,3831 |
| 3,4922 | 1472,3 | 98,27 | 4 | 95,19773873 | 127,11348 | 43,209173 | -85,79658 | 3,4922 |
| 3,6014 | 1356 | 123,52 | 3,5 | 95,46518378 | 125,80482 | 44,017832 | -84,98792 | 3,6014 |
| 3,7105 | 1245,1 | 150,68 | 3,5 | 95,72440529 | 124,6944 | 45,12826 | -83,8775 | 3,7105 |
| 3,8196 | 1095,6 | 181,24 | 3 | 95,97611427 | 123,66593 | 45,656729 | -83,34903 | 3,8196 |
| 3,9288 | 1115,9 | 200,00 | 3 | 96,220955 | 123,27667 | 46,045986 | -82,95977 | 3,9288 |
| 4,0379 | 1148,6 | 200,00 | 3,5 | 96,45886776 | 123,6315 | 46,19116 | -82,8146 | 4,0379 |
| 4,147 | 1198,3 | 200,00 | 3,5 | 96,69043728 | 123,97686 | 45,845794 | -83,15996 | 4,147 |
| 4,2562 | 1200,4 | 200,00 | 3,5 | 96,91619712 | 124,31356 | 45,509093 | -83,49666 | 4,2562 |
| 4,3653 | 1235,5 | 200,00 | 4 | 97,13603848 | 124,64144 | 45,681219 | -83,32454 | 4,3653 |
| 4,4744 | 1250,5 | 200,00 | 4 | 97,3504527 | 124,96122 | 45,361439 | -83,64432 | 4,4744 |
| 4,5835 | 1295 | 200,00 | 4 | 97,55970129 | 125,27329 | 45,049363 | -83,95639 | 4,5835 |
| 4,6927 | 1365,4 | 200,00 | 4,5 | 97,76421239 | 125,5783 | 45,244352 | -83,7614 | 4,6927 |
| 4,8018 | 1392,3 | 200,00 | 5 | 97,96383792 | 125,87603 | 45,446628 | -83,55913 | 4,8018 |
| 4,9109 | 1378,9 | 200,00 | 5 | 98,15897839 | 126,16706 | 45,155593 | -83,85016 | 4,9109 |
| 5,0201 | 1319,3 | 200,00 | 4,5 | 98,35000394 | 126,45196 | 44,370695 | -84,63506 | 5,0201 |
| 5,1292 | 1286,4 | 200,00 | 4,5 | 98,53674924 | 126,73048 | 44,092181 | -84,91358 | 5,1292 |
| 5,2383 | 1257,3 | 200,00 | 4,5 | 98,71956391 | 127,00313 | 43,819529 | -85,18623 | 5,2383 |
| 5,3475 | 1230,6 | 200,00 | 4,5 | 98,89877244 | 127,2704 | 43,552255 | -85,4535 | 5,3475 |
| 5,4566 | 1205,5 | 200,00 | 4,5 | 99,07419895 | 127,53203 | 43,290622 | -85,71513 | 5,4566 |
| 5,5657 | 1175,4 | 200,00 | 4,5 | 99,24615244 | 127,78849 | 43,034168 | -85,97159 | 5,5657 |
| 5,6749 | 1144,6 | 200,00 | 4 | 99,41492083 | 128,04019 | 42,282465 | -86,72329 | 5,6749 |
| 5,784 | 1126,9 | 200,00 | 4 | 99,58032226 | 128,28687 | 42,035783 | -86,96997 | 5,784 |
| 5,8931 | 1180,1 | 200,00 | 4,5 | 99,74263279 | 128,52895 | 42,293711 | -86,71205 | 5,8931 |
| 6,0023 | 1200,8 | 200,00 | 4,5 | 99,90211053 | 128,76679 | 42,055864 | -86,94989 | 6,0023 |
| 6,1114 | 1245,3 | 200,00 | 5 | 100,0585708 | 129,00014 | 42,322517 | -86,68324 | 6,1114 |
| 6,2205 | 1344,3 | 200,00 | 5 | 100,2122625 | 129,22936 | 42,093299 | -86,91246 | 6,2205 |
| 6,3297 | 1414,9 | 200,00 | 5 | 100,3634191 | 129,45479 | 41,867863 | -87,13789 | 6,3297 |
| 6,4388 | 1476,2 | 200,00 | 5 | 100,5118553 | 129,67617 | 41,646483 | -87,35927 | 6,4388 |
| 6,5479 | 1509,8 | 200,00 | 5 | 100,6577973 | 129,89383 | 41,428823 | -87,57693 | 6,5479 |
| 6,6571 | 1494,9 | 200,00 | 5 | 100,8014582 | 130,10809 | 41,214565 | -87,79119 | 6,6571 |
| 6,7662 | 1436,2 | 200,00 | 5 | 100,9426532 | 130,31867 | 41,003985 | -88,00177 | 6,7662 |
| 6,8753 | 1364,9 | 200,00 | 5 | 101,0815896 | 130,52588 | 40,796774 | -88,20898 | 6,8753 |
| 6,9845 | 1299,6 | 200,00 | 5 | 101,218463 | 130,73002 | 40,592639 | -88,41312 | 6,9845 |
| 7,0936 | 1238,3 | 200,00 | 5 | 101,3530905 | 130,9308 | 40,391854 | -88,6139 | 7,0936 |
| 7,2027 | 1193,6 | 200,00 | 5 | 101,4856631 | 131,12852 | 40,194134 | -88,81162 | 7,2027 |
| 7,3119 | 1144,3 | 200,00 | 5 | 101,6163614 | 131,32345 | 39,999208 | -89,00655 | 7,3119 |
| 7,421 | 1100,9 | 200,00 | 5 | 101,7450052 | 131,51531 | 39,807348 | -89,19841 | 7,421 |
| 7,5301 | 1079 | 200,00 | 5 | 101,8717714 | 131,70437 | 39,618287 | -89,38747 | 7,5301 |
| 7,6392 | 1073,3 | 200,00 | 5 | 101,9967142 | 131,89071 | 39,431946 | -89,57381 | 7,6392 |
| 7,7484 | 1100,2 | 200,00 | 5 | 102,1199972 | 132,07458 | 39,24808 | -89,75768 | 7,7484 |
| 7,8575 | 1123,4 | 200,00 | 5 | 102,2414444 | 132,2557 | 39,066952 | -89,9388 | 7,8575 |
| 7,9666 | 1150,2 | 200,00 | 5 | 102,3612168 | 132,43433 | 38,888322 | -90,11743 | 7,9666 |
| 8,0758 | 1152 | 200,00 | 5 | 102,4794677 | 132,6107 | 38,711961 | -90,2938 | 8,0758 |

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|---------|--------|--------|---|-------------|-----------|-----------|-----------|---------|
| 8,1849 | 1164,7 | 200,00 | 5 | 102,5960241 | 132,78453 | 38,538127 | -90,46763 | 8,1849 |
| 8,294 | 1198,1 | 200,00 | 5 | 102,7110372 | 132,95606 | 38,366595 | -90,63916 | 8,294 |
| 8,4032 | 1210,3 | 200,00 | 5 | 102,8246506 | 133,12551 | 38,197151 | -90,80861 | 8,4032 |
| 8,5123 | 1245,1 | 200,00 | 5 | 102,936695 | 133,29261 | 38,030046 | -90,97571 | 8,5123 |
| 8,6214 | 1327,6 | 200,00 | 5 | 103,0473125 | 133,45759 | 37,86507 | -91,14069 | 8,6214 |
| 8,7306 | 1287,6 | 200,00 | 5 | 103,1566384 | 133,62064 | 37,70202 | -91,30374 | 8,7306 |
| 8,8397 | 1238,6 | 200,00 | 5 | 103,2645071 | 133,78151 | 37,541143 | -91,46461 | 8,8397 |
| 8,9488 | 1189,2 | 200,00 | 5 | 103,3710526 | 133,94042 | 37,38224 | -91,62352 | 8,9488 |
| 9,058 | 1134,8 | 200,00 | 5 | 103,4764029 | 134,09754 | 37,225119 | -91,78064 | 9,058 |
| 9,1671 | 1080,8 | 200,00 | 5 | 103,580396 | 134,25263 | 37,070022 | -91,93573 | 9,1671 |
| 9,2762 | 1070,5 | 200,00 | 5 | 103,6831586 | 134,4059 | 36,916761 | -92,089 | 9,2762 |
| 9,3854 | 1072 | 200,00 | 5 | 103,7848123 | 134,5575 | 36,765153 | -92,2406 | 9,3854 |
| 9,4945 | 1071,3 | 200,00 | 5 | 103,8851985 | 134,70722 | 36,615436 | -92,39032 | 9,4945 |
| 9,6036 | 1066,3 | 200,00 | 5 | 103,9844378 | 134,85523 | 36,467429 | -92,53833 | 9,6036 |
| 9,7128 | 1056,4 | 200,00 | 5 | 104,0826455 | 135,0017 | 36,320961 | -92,6848 | 9,7128 |
| 9,8219 | 1034,7 | 200,00 | 5 | 104,1796667 | 135,14639 | 36,176262 | -92,82949 | 9,8219 |
| 9,931 | 1009,3 | 200,00 | 5 | 104,2756162 | 135,28949 | 36,033162 | -92,97259 | 9,931 |
| 10,0402 | 979,9 | 200,00 | 5 | 104,3706039 | 135,43116 | 35,891496 | -93,11426 | 10,0402 |
| 10,1493 | 954 | 200,00 | 5 | 104,4644784 | 135,57117 | 35,751491 | -93,25427 | 10,1493 |
| 10,2584 | 940,3 | 200,00 | 5 | 104,5573492 | 135,70967 | 35,612982 | -93,39277 | 10,2584 |
| 10,3676 | 953 | 200,00 | 5 | 104,6493212 | 135,84684 | 35,475814 | -93,52994 | 10,3676 |
| 10,4767 | 993,7 | 200,00 | 5 | 104,7402467 | 135,98245 | 35,340206 | -93,66555 | 10,4767 |
| 10,5858 | 1010,8 | 200,00 | 5 | 104,8302303 | 136,11665 | 35,206004 | -93,79975 | 10,5858 |
| 10,6949 | 1004,9 | 200,00 | 5 | 104,9192911 | 136,24948 | 35,073177 | -93,93258 | 10,6949 |
| 10,8041 | 987,7 | 200,00 | 5 | 105,0075285 | 136,38108 | 34,941579 | -94,06418 | 10,8041 |
| 10,9132 | 964,8 | 200,00 | 5 | 105,0947989 | 136,51123 | 34,811423 | -94,19433 | 10,9132 |
| 11,0223 | 923,9 | 200,00 | 5 | 105,1812011 | 136,6401 | 34,682561 | -94,3232 | 11,0223 |
| 11,1315 | 879,4 | 200,00 | 5 | 105,2668304 | 136,7678 | 34,554853 | -94,4509 | 11,1315 |
| 11,2406 | 840,2 | 200,00 | 5 | 105,3515464 | 136,89415 | 34,428506 | -94,57725 | 11,2406 |
| 11,3497 | 790,9 | 200,00 | 5 | 105,4354442 | 137,01928 | 34,30338 | -94,70238 | 11,3497 |
| 11,4589 | 740 | 200,00 | 5 | 105,5186152 | 137,14332 | 34,179338 | -94,82642 | 11,4589 |
| 11,568 | 675,3 | 200,00 | 5 | 105,6009222 | 137,26607 | 34,056584 | -94,94917 | 11,568 |
| 11,6771 | 619,2 | 200,00 | 5 | 105,6824566 | 137,38767 | 33,934983 | -95,07077 | 11,6771 |
| 11,7863 | 559,1 | 200,00 | 5 | 105,7633064 | 137,50825 | 33,814402 | -95,19135 | 11,7863 |
| 11,8954 | 499,9 | 200,00 | 5 | 105,8433376 | 137,62761 | 33,695043 | -95,31071 | 11,8954 |
| 12,0045 | 465,7 | 200,00 | 5 | 105,9226381 | 137,74588 | 33,576773 | -95,42898 | 12,0045 |
| 12,1137 | 443,9 | 200,00 | 5 | 106,0012929 | 137,86319 | 33,459466 | -95,54629 | 12,1137 |
| 12,2228 | 412 | 200,00 | 5 | 106,0791707 | 137,97934 | 33,343318 | -95,66244 | 12,2228 |
| 12,3319 | 390,9 | 200,00 | 5 | 106,1563565 | 138,09445 | 33,228202 | -95,77755 | 12,3319 |
| 12,4411 | 376,8 | 200,00 | 5 | 106,2329322 | 138,20866 | 33,113996 | -95,89176 | 12,4411 |
| 12,5502 | 390,2 | 200,00 | 5 | 106,3087695 | 138,32177 | 33,000892 | -96,00487 | 12,5502 |
| 12,6593 | 435,7 | 200,00 | 5 | 106,3839504 | 138,43389 | 32,888766 | -96,11699 | 12,6593 |
| 12,7685 | 495,1 | 200,00 | 5 | 106,4585542 | 138,54516 | 32,777501 | -96,22826 | 12,7685 |
| 12,8776 | 553,8 | 200,00 | 5 | 106,5324552 | 138,65537 | 32,667284 | -96,33847 | 12,8776 |
| 12,9867 | 610,1 | 200,00 | 5 | 106,6057327 | 138,76466 | 32,557997 | -96,44776 | 12,9867 |
| 13,0959 | 667,4 | 200,00 | 5 | 106,6784636 | 138,87313 | 32,449525 | -96,55623 | 13,0959 |
| 13,205 | 711,6 | 200,00 | 5 | 106,7505247 | 138,9806 | 32,342052 | -96,6637 | 13,205 |
| 13,3141 | 752,3 | 200,00 | 5 | 106,8219929 | 139,08719 | 32,235464 | -96,77029 | 13,3141 |

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|---------|-------|--------|---|-------------|-----------|-----------|-----------|---------|
| 13,4233 | 769,4 | 200,00 | 5 | 106,8929425 | 139,19301 | 32,129649 | -96,87611 | 13,4233 |
| 13,5324 | 753,7 | 200,00 | 5 | 106,9632531 | 139,29787 | 32,024786 | -96,98097 | 13,5324 |
| 13,6415 | 715,6 | 200,00 | 5 | 107,0329991 | 139,40189 | 31,920766 | -97,08499 | 13,6415 |
| 13,7506 | 664,4 | 200,00 | 5 | 107,1021895 | 139,50508 | 31,817575 | -97,18818 | 13,7506 |
| 13,8598 | 604,7 | 200,00 | 5 | 107,1708958 | 139,60755 | 31,715105 | -97,29065 | 13,8598 |
| 13,9689 | 546,9 | 200,00 | 5 | 107,2390007 | 139,70912 | 31,613533 | -97,39222 | 13,9689 |
| 14,078 | 521,8 | 200,00 | 5 | 107,3065758 | 139,80991 | 31,512751 | -97,49301 | 14,078 |
| 14,1872 | 500,1 | 200,00 | 5 | 107,3736904 | 139,91 | 31,412655 | -97,5931 | 14,1872 |
| 14,2963 | 483,2 | 200,00 | 5 | 107,4402296 | 140,00924 | 31,313418 | -97,69234 | 14,2963 |
| 14,4054 | 514,9 | 200,00 | 5 | 107,506263 | 140,10772 | 31,214935 | -97,79082 | 14,4054 |
| 14,5146 | 551,6 | 200,00 | 5 | 107,571858 | 140,20555 | 31,117105 | -97,88865 | 14,5146 |
| 14,6237 | 570,1 | 200,00 | 5 | 107,636902 | 140,30256 | 31,020098 | -97,98566 | 14,6237 |
| 14,7328 | 565 | 200,00 | 5 | 107,7014624 | 140,39884 | 30,923812 | -98,08194 | 14,7328 |
| 14,842 | 517,4 | 200,00 | 5 | 107,7656051 | 140,49451 | 30,828148 | -98,17761 | 14,842 |
| 14,9511 | 475,6 | 200,00 | 5 | 107,8292195 | 140,58938 | 30,733273 | -98,27248 | 14,9511 |
| 15,0602 | 432,8 | 200,00 | 5 | 107,8923714 | 140,68357 | 30,639088 | -98,36667 | 15,0602 |
| 15,1694 | 374,5 | 200,00 | 5 | 107,9551246 | 140,77716 | 30,545497 | -98,46026 | 15,1694 |
| 15,2785 | 333,9 | 200,00 | 5 | 108,0173709 | 140,86999 | 30,452662 | -98,55309 | 15,2785 |
| 15,3876 | 308,1 | 200,00 | 5 | 108,0791743 | 140,96217 | 30,360487 | -98,64527 | 15,3876 |
| 15,4968 | 286,8 | 200,00 | 5 | 108,1405971 | 141,05378 | 30,268881 | -98,73688 | 15,4968 |
| 15,6059 | 291,6 | 200,00 | 5 | 108,201533 | 141,14466 | 30,178 | -98,82776 | 15,6059 |
| 15,715 | 302,4 | 200,00 | 5 | 108,2620443 | 141,2349 | 30,087753 | -98,918 | 15,715 |
| 15,8242 | 312,3 | 200,00 | 5 | 108,3221918 | 141,32461 | 29,998048 | -99,00771 | 15,8242 |
| 15,9333 | 300,7 | 200,00 | 5 | 108,3818712 | 141,41362 | 29,909041 | -99,09672 | 15,9333 |
| 16,0424 | 267,2 | 200,00 | 5 | 108,4411434 | 141,50201 | 29,820642 | -99,18511 | 16,0424 |
| 16,1516 | 221,7 | 200,00 | 5 | 108,5000676 | 141,58989 | 29,732762 | -99,27299 | 16,1516 |
| 16,2607 | 185,3 | 200,00 | 5 | 108,5585413 | 141,6771 | 29,645553 | -99,3602 | 16,2607 |
| 16,3698 | 156,6 | 200,00 | 5 | 108,616624 | 141,76373 | 29,558928 | -99,44683 | 16,3698 |
| 16,479 | 148 | 200,00 | 5 | 108,6743736 | 141,84986 | 29,4728 | -99,53296 | 16,479 |
| 16,5881 | 150,8 | 200,00 | 5 | 108,7316895 | 141,93534 | 29,387318 | -99,61844 | 16,5881 |
| 16,6972 | 141,6 | 200,00 | 5 | 108,7886296 | 142,02026 | 29,302397 | -99,70336 | 16,6972 |
| 16,8063 | 138 | 200,00 | 5 | 108,8451988 | 142,10463 | 29,218029 | -99,78773 | 16,8063 |
| 16,9155 | 133,3 | 200,00 | 5 | 108,9014534 | 142,18853 | 29,13413 | -99,87163 | 16,9155 |
| 17,0246 | 123,1 | 200,00 | 5 | 108,9572949 | 142,27181 | 29,050847 | -99,95491 | 17,0246 |
| 17,1337 | 104 | 200,00 | 5 | 109,0127797 | 142,35456 | 28,968096 | -100,0377 | 17,1337 |
| 17,2429 | 84,5 | 200,00 | 5 | 109,0679628 | 142,43686 | 28,885796 | -100,12 | 17,2429 |
| 17,352 | 58,1 | 200,00 | 5 | 109,1227474 | 142,51857 | 28,804089 | -100,2017 | 17,352 |
| 17,4611 | 58,3 | 200,00 | 5 | 109,1771886 | 142,59976 | 28,722895 | -100,2829 | 17,4611 |
| 17,5703 | 68,6 | 200,00 | 5 | 109,2313401 | 142,68052 | 28,642133 | -100,3636 | 17,5703 |
| 17,6794 | 91,5 | 200,00 | 5 | 109,285107 | 142,76071 | 28,561944 | -100,4438 | 17,6794 |
| 17,7885 | 121,3 | 200,00 | 5 | 109,3385431 | 142,84041 | 28,482249 | -100,5235 | 17,7885 |
| 17,8977 | 148,7 | 200,00 | 5 | 109,3917011 | 142,91969 | 28,402968 | -100,6028 | 17,8977 |
| 18,0068 | 174,4 | 200,00 | 5 | 109,4444874 | 142,99841 | 28,324242 | -100,6815 | 18,0068 |
| 18,1159 | 201,5 | 200,00 | 5 | 109,4969549 | 143,07667 | 28,245992 | -100,7598 | 18,1159 |
| 18,2251 | 183,6 | 200,00 | 5 | 109,549155 | 143,15452 | 28,16814 | -100,8376 | 18,2251 |
| 18,3342 | 159,3 | 200,00 | 5 | 109,6009959 | 143,23183 | 28,090823 | -100,9149 | 18,3342 |
| 18,4433 | 153,1 | 200,00 | 5 | 109,6525292 | 143,30869 | 28,013966 | -100,9918 | 18,4433 |
| 18,5525 | 159,1 | 200,00 | 5 | 109,7038054 | 143,38516 | 27,937492 | -101,0683 | 18,5525 |

| | | | | | | | | |
|---------|-------|--------|---|-------------|-----------|-----------|-----------|---------|
| 18,6616 | 141 | 200,00 | 5 | 109,7547341 | 143,46112 | 27,861536 | -101,1442 | 18,6616 |
| 18,7707 | 114,7 | 200,00 | 5 | 109,8053659 | 143,53663 | 27,786023 | -101,2197 | 18,7707 |
| 18,8799 | 92,8 | 200,00 | 5 | 109,8557504 | 143,61178 | 27,710879 | -101,2949 | 18,8799 |
| 18,989 | 63 | 200,00 | 5 | 109,9057985 | 143,68642 | 27,636237 | -101,3695 | 18,989 |
| 19,0981 | 35,7 | 200,00 | 5 | 109,9555598 | 143,76063 | 27,562022 | -101,4437 | 19,0981 |
| 19,2073 | 21,9 | 200,00 | 5 | 110,005083 | 143,83449 | 27,488163 | -101,5176 | 19,2073 |
| 19,3164 | 13,7 | 200,00 | 5 | 110,0542804 | 143,90787 | 27,414789 | -101,591 | 19,3164 |
| 19,4255 | 6,6 | 200,00 | 5 | 110,1032007 | 143,98083 | 27,341829 | -101,6639 | 19,4255 |
| 19,5347 | 9,1 | 200,00 | 5 | 110,1518915 | 144,05345 | 27,269211 | -101,7365 | 19,5347 |
| 19,6438 | 14,9 | 200,00 | 5 | 110,2002666 | 144,12559 | 27,197063 | -101,8087 | 19,6438 |
| 19,7529 | 15,8 | 200,00 | 5 | 110,2483739 | 144,19734 | 27,125316 | -101,8804 | 19,7529 |
| 19,862 | 17,3 | 200,00 | 5 | 110,2962161 | 144,26869 | 27,053963 | -101,9518 | 19,862 |
| 19,9712 | 16,8 | 200,00 | 5 | 110,3438398 | 144,33972 | 26,982937 | -102,0228 | 19,9712 |
| 20,0803 | 14,7 | 200,00 | 5 | 110,3911605 | 144,41029 | 26,912362 | -102,0934 | 20,0803 |
| 20,1894 | 16 | 200,00 | 5 | 110,4382248 | 144,48049 | 26,84217 | -102,1636 | 20,1894 |
| 20,2986 | 16,8 | 200,00 | 5 | 110,4850783 | 144,55036 | 26,772292 | -102,2335 | 20,2986 |
| 20,4077 | 12,5 | 200,00 | 5 | 110,5316378 | 144,6198 | 26,702852 | -102,3029 | 20,4077 |
| 20,5168 | 5,2 | 200,00 | 5 | 110,5779491 | 144,68887 | 26,633783 | -102,372 | 20,5168 |
| 20,626 | 0 | 200,00 | 5 | 110,6240568 | 144,75764 | 26,565017 | -102,4407 | 20,626 |
| 20,7351 | 0 | 200,00 | 5 | 110,6698793 | 144,82598 | 26,496677 | -102,5091 | 20,7351 |
| 20,8442 | 0 | 200,00 | 5 | 110,7154612 | 144,89396 | 26,428696 | -102,5771 | 20,8442 |
| 20,9534 | 0 | 200,00 | 5 | 110,7608466 | 144,96165 | 26,361007 | -102,6447 | 20,9534 |
| 21,0625 | 0 | 200,00 | 5 | 110,8059549 | 145,02892 | 26,293732 | -102,712 | 21,0625 |
| 21,1716 | 0 | 200,00 | 5 | 110,8508302 | 145,09585 | 26,226805 | -102,779 | 21,1716 |
| 21,2808 | 0 | 200,00 | 5 | 110,8955156 | 145,1625 | 26,16016 | -102,8456 | 21,2808 |
| 21,3899 | 0 | 200,00 | 5 | 110,9399317 | 145,22874 | 26,093918 | -102,9118 | 21,3899 |
| 21,499 | 0 | 200,00 | 5 | 110,9841218 | 145,29464 | 26,028012 | -102,9777 | 21,499 |
| 21,6082 | 0 | 200,00 | 5 | 111,0281284 | 145,36028 | 25,96238 | -103,0434 | 21,6082 |
| 21,7173 | 0 | 200,00 | 5 | 111,0718732 | 145,42552 | 25,897138 | -103,1086 | 21,7173 |
| 21,8264 | 0 | 200,00 | 5 | 111,1153988 | 145,49043 | 25,832224 | -103,1735 | 21,8264 |

Perfil Topográfico Estación Avila-5 70°



