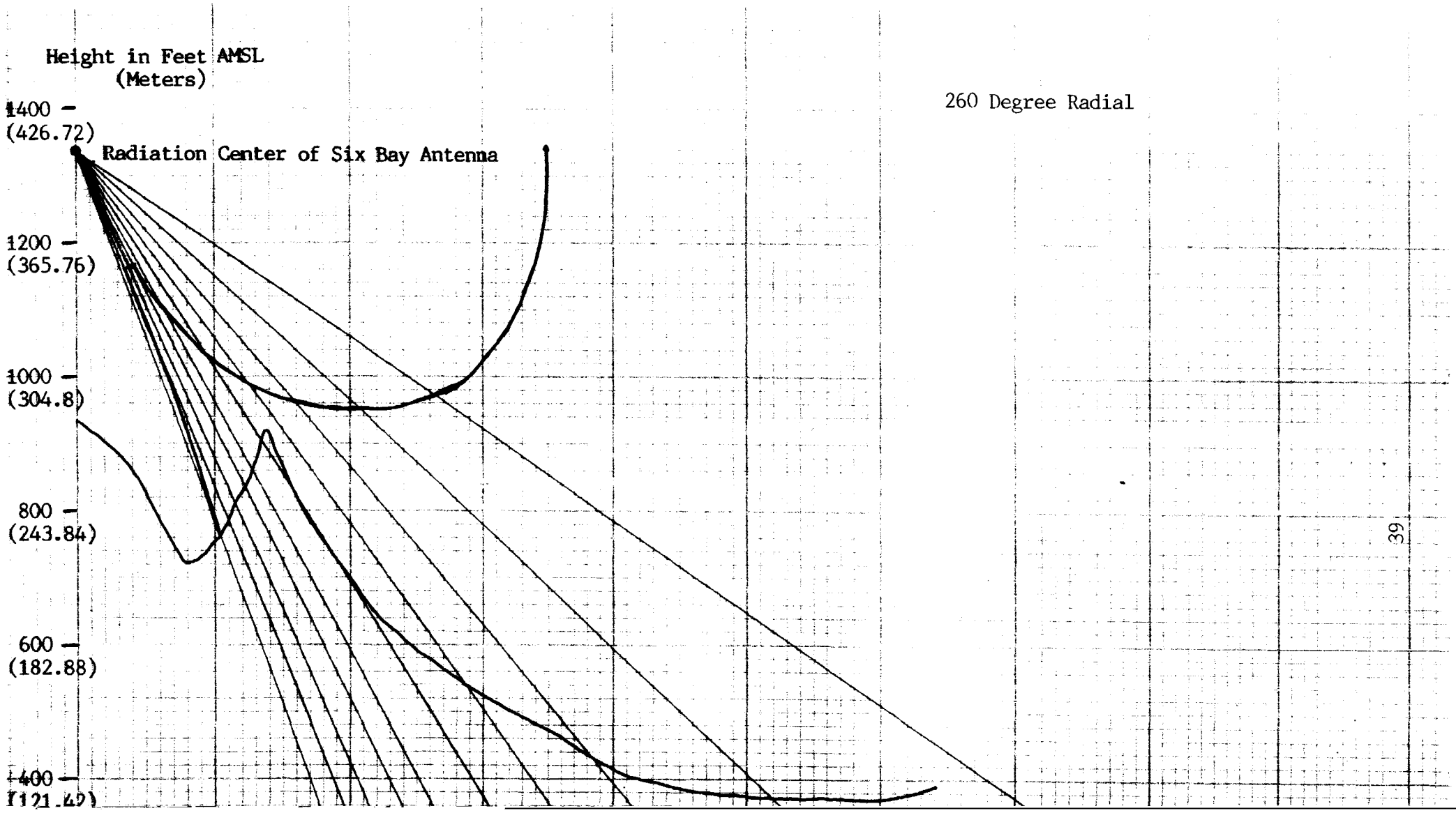
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(Meters)
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(426.72)
Radiation Center of Six Bay Antenna
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1000
(304.8)
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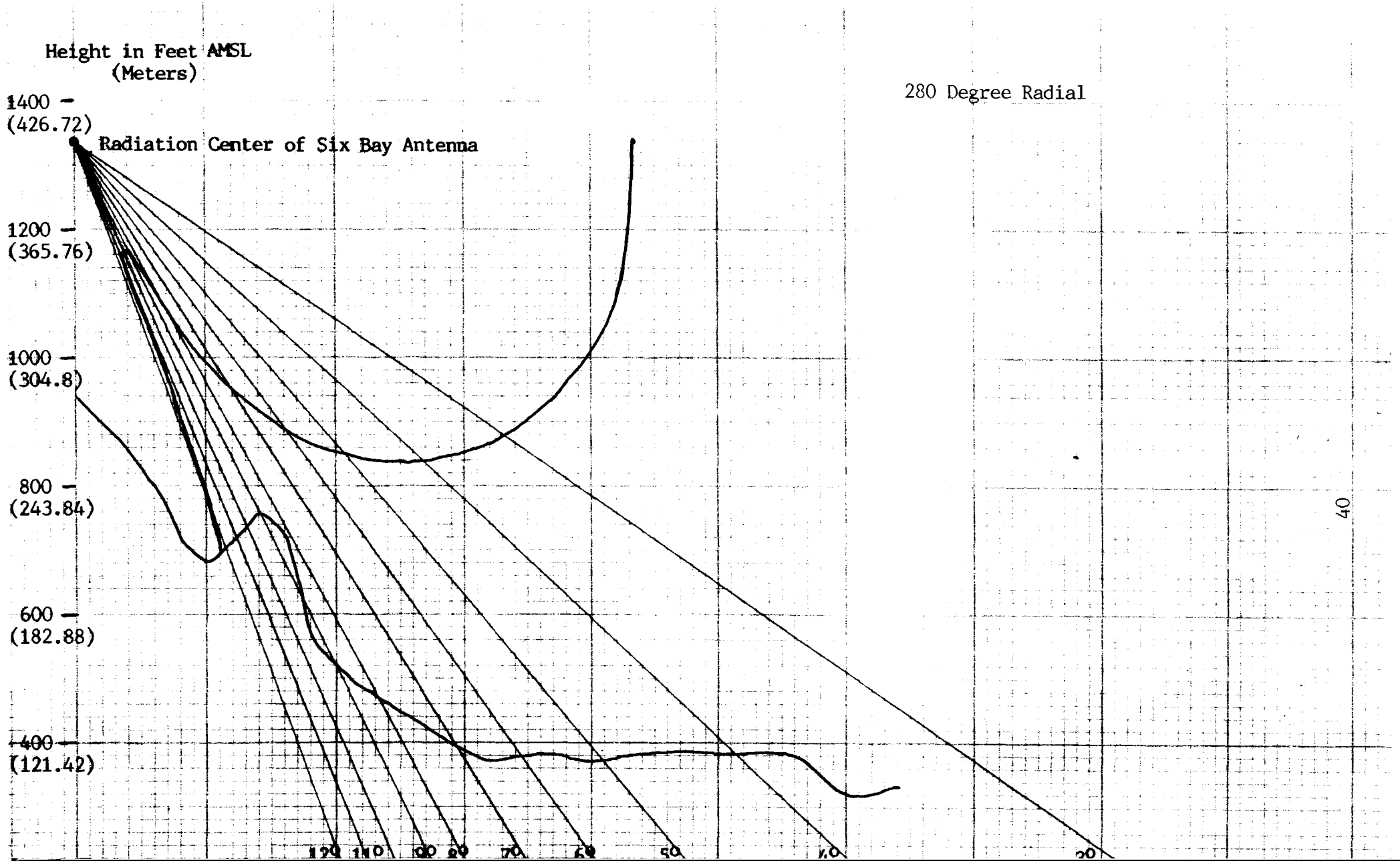
(243.84)
600
(182.88)
400
(121.92)
260 Degree Radial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(Meters)
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(426.72)
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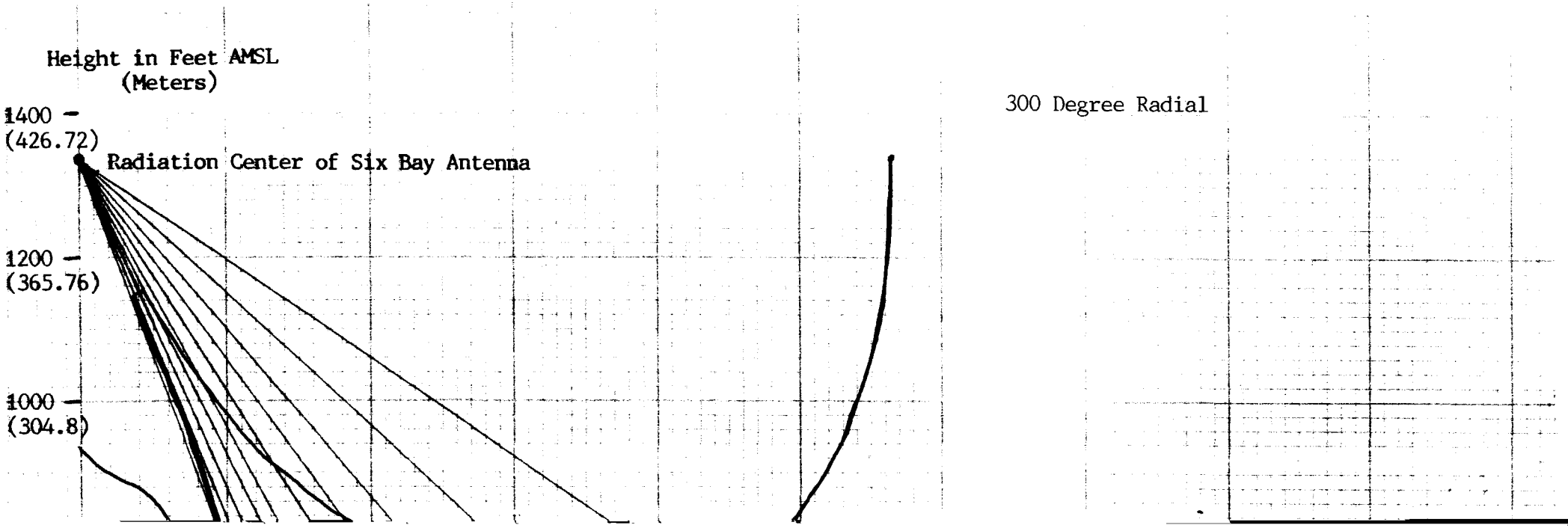
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(426.72)
Radiation Center of Six Bay Antenna
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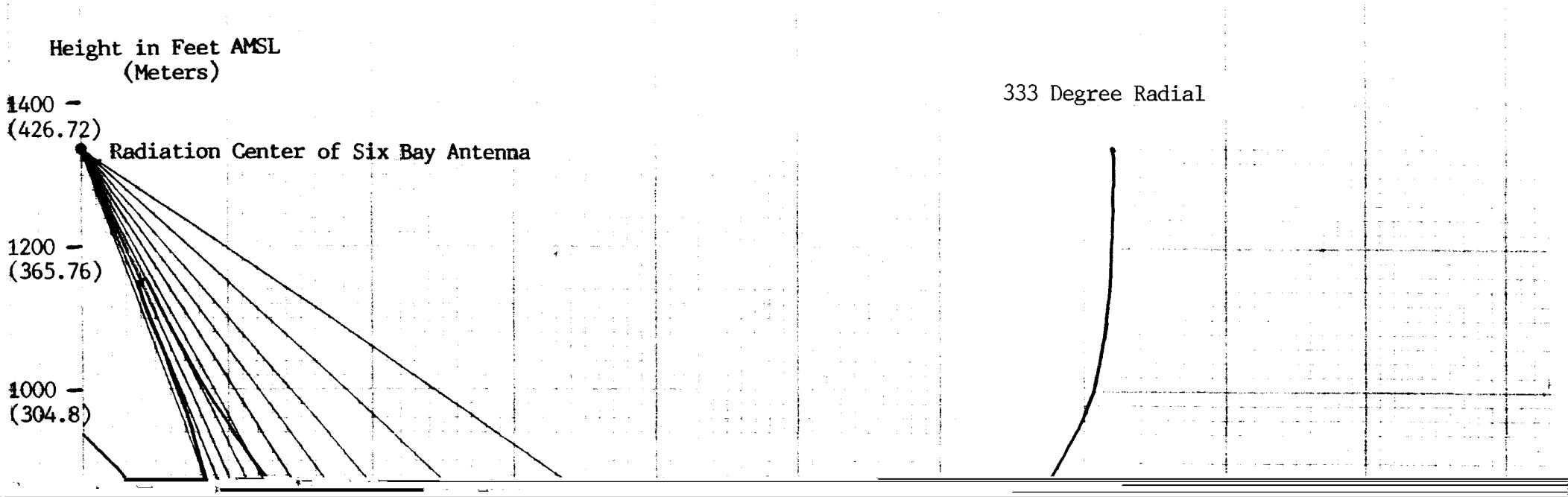
(365.76)
1000
(304.8)
300 Degree Radial

Height in Feet AMSL
(Meters)

1400 –

320 Degree Radial


Height in Feet AMSL
(Meters)
1400
(426.72)
Radiation Center of Six Bay Antenna
1200
(365.76)
1000
(304.8)
333 Degree Radial

Height in Feet AMSL
(Meters)

1400 —
(426.72)

Radiation Center of Six Bay Antenna

340 Degree Radial

C3.224/3:990CH-1-40/sec.1 c.2

U.S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

1990 CH-1-40

# 1990 Census of Housing

## General Housing Characteristics

# Pennsylvania

Section 1 of 2

CENSUS '90

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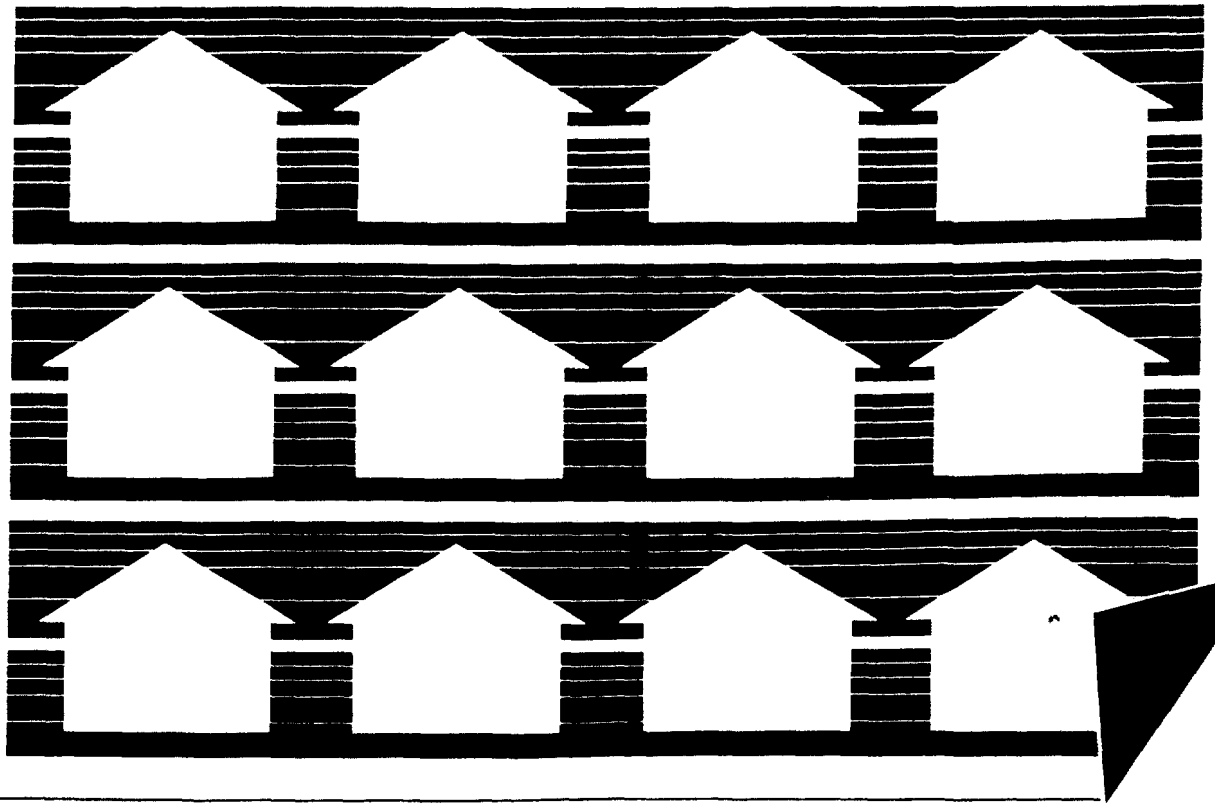

Table 1. **Summary of General Housing Characteristics: 1990**—Con.

[For definitions of terms and meanings of symbols, see text]

| State / Urban and Rural and Size of Place / Inside and Outside Metropolitan Area / County / Place and [In Selected States] County Subdivision [1,000 or More Persons] | All persons | All housing units: Total | All housing units: Median rooms | All housing units: Percent: 1 unit, detached or attached | All housing units: Percent: In buildings with 10 or more units | Occupied housing units: Total | Occupied housing units: Median persons in unit | Occupied housing units: Mean number of persons per room | Occupied housing units: Percent: Owner | Occupied housing units: Percent: With 1.01 or more persons per room | Occupied housing units: Percent: With householder 65 years and over | Occupied housing units: 1-person households | Occupied housing units: Specified owner, median value (dollars) | Occupied housing units: Specified renter: Median contract rent (dollars) | Occupied housing units: Specified renter: Percent with meals included in rent | Vacancy rate: Homeowner | Vacancy rate: Rental |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PLACE AND COUNTY SUBDIVISION—Con.** | | | | | | | | | | | | | | | | | |
| St. Marys borough | 5 511 | 2 436 | 5.8 | 68.8 | 4.3 | 2 301 | 2.05 | .41 | 66.1 | .8 | 36.6 | 32.9 | 50 800 | 220 | .4 | 1.3 | 7.5 |
| St. Michael-Sidman CDP | 1 189 | 463 | 5.8 | 86.4 | .6 | 450 | 2.36 | .44 | 82.4 | .7 | 33.1 | 26.2 | 31 000 | 175 | – | .3 | – |
| St. Thomas township | 5 861 | 2 181 | 5.6 | 67.6 | .9 | 2 097 | 2.51 | .48 | 83.7 | 1.4 | 18.2 | 16.1 | 67 400 | 244 | .8 | .7 | 8.1 |
| Salem township, Luzerne County | 4 503 | 1 824 | 5.8 | 78.0 | – | 1 725 | 2.30 | .44 | 83.4 | 1.2 | 29.0 | 20.0 | 61 900 | 237 | .4 | 1.0 | 9.7 |
| Salem township, Wayne County | 2 933 | 2 372 | 5.6 | 84.4 | – | 1 044 | 2.47 | .47 | 79.3 | 2.5 | 24.5 | 17.1 | 96 700 | 307 | – | 1.8 | 4.0 |
| Salem township, Westmoreland County | 7 282 | 3 071 | 5.4 | 64.2 | – | 2 880 | 2.23 | .44 | 84.1 | 1.0 | 28.6 | 24.1 | 59 400 | 235 | .6 | 1.5 | 4.8 |
| Salford township | 2 216 | 732 | 6.8 | 92.2 | – | 711 | 3.02 | .45 | 91.6 | .8 | 15.3 | 12.7 | 167 300 | 413 | – | .3 | 7.7 |
| Salisbury township, Lancaster County | 8 527 | 2 704 | 6.0 | 71.8 | .6 | 2 634 | 2.88 | .52 | 77.7 | 3.5 | 17.6 | 13.9 | 102 000 | 329 | .2 | .8 | 3.6 |
| Salisbury township, Lehigh County | 13 401 | 5 071 | 6.5 | 87.1 | 6.4 | 4 836 | 2.40 | .41 | 85.6 | .5 | 22.1 | 16.9 | 120 800 | 439 | .3 | 1.1 | 5.8 |
| Salix-Beauty Line Park CDP | 1 257 | 443 | 5.7 | 72.2 | 12.6 | 419 | 2.94 | .51 | 73.5 | 1.2 | 12.6 | 13.4 | 49 900 | 238 | – | 1.0 | 11.9 |
| Saltlick township | 3 253 | 1 368 | 5.3 | 72.2 | .1 | 1 148 | 2.49 | .50 | 83.3 | 3.5 | 24.4 | 18.1 | 45 100 | 173 | – | 1.0 | 10.3 |
| Salunga-Landisville CDP | 4 239 | 1 580 | 6.8 | 87.0 | .1 | 1 528 | 2.56 | .41 | 86.8 | .5 | 19.1 | 16.7 | 103 000 | 363 | – | 1.0 | 3.4 |
| Sanatoga CDP | 5 534 | 2 013 | 6.0 | 78.5 | .6 | 1 953 | 2.53 | .45 | 74.9 | 1.3 | 15.1 | 18.1 | 111 300 | 409 | – | 1.0 | 5.6 |
| Sand Hill CDP | 2 307 | 833 | 5.9 | 92.6 | – | 818 | 2.62 | .47 | 90.5 | 1.1 | 18.1 | 12.2 | 73 700 | 294 | – | .4 | 1.3 |
| Sandy CDP | 1 795 | 733 | 6.1 | 86.5 | – | 703 | 2.27 | .41 | 76.1 | .7 | 28.7 | 21.9 | 41 400 | 236 | 1.4 | .4 | 6.7 |
| Sandy township | 9 005 | 3 946 | 6.0 | 84.7 | .5 | 3 295 | 2.36 | .42 | 82.2 | .6 | 22.1 | 19.9 | 60 500 | 250 | .8 | 1.5 | 6.5 |
| Sandycreek township | 2 495 | 1 004 | 5.6 | 76.4 | .1 | 833 | 2.41 | .45 | 85.5 | .5 | 18.8 | 17.8 | 53 200 | 260 | – | 2.6 | 12.3 |
| Sandy Lake township | 1 161 | 480 | 5.6 | 72.7 | – | 431 | 2.36 | .45 | 90.7 | 1.9 | 23.9 | 16.2 | 46 500 | 178 | – | .5 | 4.8 |
| Saville township | 1 818 | 820 | 5.6 | 72.0 | .1 | 624 | 2.72 | .47 | 85.6 | 2.9 | 19.4 | 13.5 | 55 900 | 227 | – | .7 | 2.2 |
| Saxonburg borough | 1 345 | 580 | 5.2 | 62.2 | 7.6 | 546 | 2.09 | .43 | 67.4 | 1.1 | 29.7 | 29.3 | 68 600 | 296 | .6 | 2.4 | 6.3 |
| Sayre borough | 5 791 | 2 602 | 6.1 | 67.6 | 6.0 | 2 391 | 2.09 | .39 | 62.4 | .9 | 32.5 | 31.2 | 48 900 | 278 | .5 | 1.1 | 8.9 |
| Scalp Level borough | 1 158 | 476 | 5.9 | 90.3 | – | 440 | 2.38 | .44 | 84.3 | 1.1 | 32.5 | 22.7 | 25 100 | 170 | – | 1.3 | 10.4 |
| Schlusser CDP | 4 728 | 1 859 | 5.8 | 72.7 | 8.5 | 1 764 | 2.42 | .44 | 74.1 | 1.3 | 11.8 | 18.5 | 77 000 | 416 | – | 3.3 | 5.0 |
| Schnecksville CDP | 1 780 | 634 | 6.8 | 97.2 | – | 623 | 2.66 | .41 | 91.2 | .2 | 16.2 | 11.1 | 121 000 | 544 | – | .7 | 3.5 |
| Schuylkill township, Chester County | 5 538 | 2 115 | 7.5 | 84.6 | 1.1 | 2 009 | 2.44 | .38 | 89.0 | .3 | 20.8 | 16.1 | 180 600 | 471 | 1.1 | 2.3 | 8.3 |
| Schuylkill township, Schuylkill County | 1 230 | 567 | 6.0 | 92.1 | – | 520 | 2.15 | .37 | 92.5 | 1.2 | 37.7 | 28.8 | 32 900 | 187 | – | .8 | 9.3 |
| Schuylkill Haven borough | 5 610 | 2 491 | 5.8 | 71.3 | 5.9 | 2 349 | 2.09 | .41 | 69.8 | .6 | 34.3 | 29.2 | 44 000 | 252 | .3 | 1.1 | 6.9 |
| Schwenksville borough | 1 326 | 543 | 5.2 | 48.6 | 24.7 | 511 | 2.21 | .46 | 60.7 | 1.8 | 14.5 | 26.8 | 105 200 | 443 | – | 2.5 | 4.7 |
| Scott township, Allegheny County | 17 118 | 7 797 | 5.4 | 65.7 | 22.3 | 7 474 | 1.98 | .40 | 67.8 | .6 | 25.1 | 33.6 | 68 800 | 462 | .1 | 1.0 | 6.7 |
| Scott township, Columbia County | 4 423 | 1 866 | 5.9 | 74.5 | – | 1 798 | 2.20 | .40 | 84.9 | .5 | 29.6 | 21.3 | 70 900 | 257 | .4 | .5 | 9.3 |
| Scott township, Lackawanna County | 5 350 | 2 020 | 6.0 | 83.5 | – | 1 851 | 2.69 | .46 | 86.4 | 1.5 | 19.8 | 16.0 | 86 800 | 305 | – | .7 | 3.8 |
| Scott township, Lawrence County | 2 200 | 816 | 5.6 | 75.6 | 1.5 | 758 | 2.73 | .50 | 87.1 | 1.8 | 19.5 | 14.9 | 59 200 | 231 | – | .6 | 2.0 |
| Scottdale borough | 5 184 | 2 289 | 5.8 | 75.6 | 4.8 | 2 131 | 2.17 | .42 | 70.3 | .5 | 33.8 | 29.2 | 43 600 | 208 | – | 1.8 | 10.0 |
| Scott Township CDP | 17 118 | 7 797 | 5.4 | 65.7 | 22.3 | 7 474 | 1.98 | .40 | 67.8 | .6 | 25.1 | 33.6 | 68 800 | 462 | .1 | 1.0 | 6.7 |
| Scranton city | 81 805 | 35 357 | 5.6 | 46.2 | 8.0 | 32 637 | 2.04 | .42 | 53.7 | 1.2 | 36.1 | 34.0 | 56 000 | 252 | .2 | 1.5 | 6.9 |
| Selinsgrove borough | 5 384 | 1 839 | 5.6 | 67.0 | 7.4 | 1 762 | 2.03 | .41 | 52.2 | .7 | 29.5 | 31.7 | 55 900 | 273 | .4 | 1.6 | 4.2 |
| Sellersville borough | 4 479 | 1 703 | 5.7 | 69.4 | 5.3 | 1 662 | 2.39 | .47 | 67.4 | 1.1 | 13.8 | 21.1 | 114 300 | 448 | .4 | .8 | 3.0 |
| Seneca CDP | 1 029 | 423 | 5.8 | 86.5 | – | 407 | 2.26 | .43 | 81.8 | – | 31.2 | 21.4 | 50 900 | 256 | – | .6 | 5.1 |
| Sewickley borough | 4 134 | 2 116 | 5.3 | 52.4 | 15.7 | 1 957 | 1.80 | .37 | 54.0 | 1.0 | 33.8 | 40.0 | 76 500 | 381 | .6 | 2.0 | 8.0 |
| Sewickley township | 6 642 | 2 680 | 5.5 | 76.0 | – | 2 553 | 2.35 | .46 | 81.2 | .9 | 29.0 | 21.5 | 50 100 | 209 | .2 | 1.1 | 6.3 |
| Shade township | 3 177 | 1 355 | 5.5 | 83.9 | .1 | 1 221 | 2.30 | .45 | 86.9 | 2.0 | 34.4 | 23.3 | 28 500 | 160 | – | 1.0 | 3.0 |
| Shaler township | 30 533 | 11 830 | 6.2 | 88.9 | 3.2 | 11 609 | 2.35 | .42 | 85.8 | .5 | 26.4 | 19.8 | 71 100 | 380 | – | .9 | 3.3 |
| Shaler Township CDP | 30 533 | 11 830 | 6.2 | 88.9 | 3.2 | 11 609 | 2.35 | .42 | 85.8 | .5 | 26.4 | 19.8 | 71 100 | 380 | – | .9 | 3.3 |
| Shamokin city | 9 184 | 4 861 | 6.0 | 70.8 | 8.9 | 4 219 | 1.87 | .36 | 62.3 | .5 | 40.4 | 39.0 | 19 700 | 187 | .4 | 3.0 | 11.9 |
| Shamokin township | 1 697 | 697 | 6.0 | 84.6 | – | 641 | 2.41 | .42 | 87.2 | .5 | 24.5 | 20.7 | 55 200 | 191 | – | 1.8 | 6.8 |
| Shamokin Dam borough | 1 690 | 754 | 5.9 | 76.9 | 10.3 | 735 | 2.04 | .39 | 73.1 | .8 | 33.3 | 29.0 | 67 100 | 244 | .5 | .4 | 2.9 |
| Shanor-Northvue CDP | 3 517 | 1 364 | 6.2 | 87.4 | .1 | 1 332 | 2.38 | .41 | 86.0 | .4 | 24.7 | 17.6 | 74 400 | 323 | .6 | .6 | 4.1 |
| Sharon city | 17 493 | 7 670 | 5.6 | 71.8 | 9.0 | 7 186 | 2.11 | .43 | 63.0 | 1.2 | 33.2 | 31.3 | 26 700 | 206 | .5 | 1.5 | 5.8 |
| Sharon Hill borough | 5 771 | 2 251 | 6.0 | 75.7 | 5.0 | 2 156 | 2.36 | .46 | 75.6 | 1.3 | 25.1 | 24.8 | 73 600 | 392 | – | 1.2 | 9.2 |
| Sharpsburg borough | 3 781 | 1 864 | 4.7 | 53.9 | 12.9 | 1 762 | 1.88 | .44 | 47.8 | 1.2 | 37.3 | 38.3 | 39 000 | 250 | – | 1.5 | 4.5 |
| Sharpsville borough | 4 729 | 2 041 | 5.7 | 76.5 | 6.1 | 1 958 | 2.20 | .42 | 70.1 | .6 | 35.9 | 27.0 | 38 400 | 210 | .2 | .9 | 3.9 |
| Sheffield CDP | 1 294 | 553 | 6.2 | 78.5 | 2.2 | 510 | 2.18 | .39 | 74.1 | .6 | 30.4 | 24.9 | 36 700 | 192 | .9 | 3.6 | 6.4 |
| Sheffield township | 2 382 | 1 217 | 5.8 | 81.5 | 1.0 | 945 | 2.20 | .40 | 80.1 | .5 | 29.7 | 24.3 | 34 400 | 197 | .7 | 2.7 | 5.5 |
| Shenandoah borough | 6 221 | 3 440 | 5.9 | 82.0 | 2.7 | 2 915 | 1.79 | .34 | 70.6 | .4 | 49.3 | 41.0 | 20 500 | 176 | .1 | 2.8 | 8.5 |
| Shenandoah Heights CDP | 1 386 | 604 | 6.7 | 95.9 | – | 563 | 2.25 | .35 | 94.7 | .5 | 38.7 | 25.0 | 36 100 | 188 | – | 3.1 | 18.9 |
| Shenango township, Lawrence County | 7 187 | 2 667 | 5.4 | 85.4 | .1 | 2 557 | 2.41 | .48 | 87.3 | 1.3 | 28.5 | 17.4 | 47 500 | 219 | .8 | .7 | 8.5 |
| Shenango township, Mercer County | 4 339 | 1 709 | 5.4 | 71.6 | 3.5 | 1 630 | 2.41 | .47 | 84.3 | 1.4 | 21.5 | 17.4 | 54 200 | 351 | – | 1.3 | 9.9 |
| Sheshequin township | 1 211 | 534 | 5.9 | 70.4 | – | 438 | 2.42 | .44 | 89.3 | .7 | 20.8 | 17.6 | 52 800 | 206 | – | .8 | 4.1 |
| Shickshinny borough | 1 108 | 494 | 5.7 | 61.7 | 9.9 | 457 | 2.04 | .43 | 59.7 | 3.5 | 40.0 | 33.7 | 33 400 | 215 | – | .4 | 8.0 |
| Shillington borough | 5 062 | 2 256 | 6.1 | 82.9 | .7 | 2 195 | 2.08 | .37 | 80.5 | .3 | 37.4 | 27.5 | 78 900 | 374 | 1.0 | .6 | 4.5 |
| Shiloh CDP | 8 245 | 3 312 | 5.9 | 73.0 | 7.2 | 3 205 | 2.22 | .41 | 72.0 | .5 | 24.1 | 22.2 | 90 100 | 479 | 8.9 | 1.1 | 4.8 |
| Shinglehouse borough | 1 243 | 539 | 5.7 | 70.1 | 11.7 | 494 | 2.12 | .42 | 62.6 | 1.0 | 34.6 | 29.8 | 35 400 | 201 | – | 2.5 | 5.1 |
| Shippen township, Cameron County | 2 495 | 1 452 | 5.4 | 81.5 | – | 942 | 2.29 | .45 | 87.8 | 1.9 | 25.5 | 21.7 | 43 600 | 185 | 1.0 | .7 | 4.2 |
| Shippensburg borough | 5 331 | 2 366 | 5.5 | 55.4 | 10.2 | 2 231 | 2.07 | .43 | 45.5 | 1.5 | 28.0 | 31.5 | 63 600 | 279 | .3 | 1.7 | 4.8 |
| Shippensburg township | 4 606 | 864 | 4.7 | 32.9 | 15.0 | 825 | 2.47 | .54 | 57.3 | 3.3 | 14.8 | 23.8 | 62 900 | 389 | – | 2.5 | 4.1 |
| Shiremanstown borough | 1 567 | 752 | 5.8 | 72.9 | 1.2 | 733 | 1.92 | .36 | 65.6 | .3 | 25.5 | 34.0 | 81 500 | 385 | – | .6 | 3.1 |
| Shirley township | 2 494 | 1 126 | 5.5 | 74.8 | – | 890 | 2.45 | .49 | 86.2 | 1.7 | 21.9 | 21.2 | 36 900 | 161 | – | .4 | 3.9 |
| Shoemakersville borough | 1 443 | 594 | 5.5 | 80.1 | 2.9 | 578 | 2.24 | .45 | 71.3 | 1.0 | 27.0 | 21.8 | 68 300 | 354 | – | .7 | 3.5 |
| Shohola township | 1 586 | 2 916 | 3.8 | 40.1 | – | 622 | 2.20 | .43 | 86.2 | 1.0 | 29.6 | 23.3 | 121 000 | 368 | – | 3.2 | 5.5 |
| Shrewsbury borough | 2 672 | 1 075 | 6.5 | 81.9 | 7.1 | 1 026 | 2.38 | .40 | 76.8 | .5 | 24.8 | 24.0 | 104 600 | 316 | .5 | 2.4 | 4.8 |
| Shrewsbury township, York County | 5 898 | 2 053 | 6.5 | 86.3 | .6 | 1 997 | 2.73 | .43 | 85.0 | .6 | 18.2 | 14.2 | 114 700 | 410 | .8 | .5 | 4.2 |
| Silver Lake township | 1 542 | 934 | 5.9 | 87.9 | – | 542 | 2.55 | .45 | 90.0 | .7 | 17.3 | 15.9 | 79 100 | 242 | 3.0 | 1.4 | 3.6 |
| Silver Spring township | 8 369 | 3 254 | 6.0 | 79.8 | .4 | 3 132 | 2.41 | .43 | 87.5 | 1.0 | 16.0 | 17.8 | 92 800 | 357 | – | 1.4 | 6.2 |
| Sinking Spring borough | 2 467 | 1 198 | 5.5 | 63.7 | 16.3 | 1 157 | 1.94 | .39 | 58.3 | .4 | 34.3 | 33.2 | 80 900 | 403 | – | 1.0 | 2.0 |
| Skippack CDP | 2 042 | 815 | 6.5 | 95.5 | – | 773 | 2.42 | .40 | 88.0 | .3 | 14.0 | 21.0 | 137 000 | 713 | – | 4.2 | 2.1 |
| Skippack township | 8 790 | 1 784 | 6.5 | 93.2 | .1 | 1 690 | 2.47 | .41 | 87.3 | .6 | 16.4 | 19.1 | 141 500 | 570 | – | 3.2 | 2.7 |
| Skyline View CDP | 2 370 | 815 | 6.8 | 98.7 | – | 806 | 2.75 | .42 | 94.5 | 1.0 | 16.9 | 10.7 | 85 700 | 444 | – | .4 | 4.3 |
| Slatington borough | 4 678 | 1 849 | 5.7 | 68.5 | 6.7 | 1 776 | 2.38 | .45 | 62.8 | 1.3 | 27.0 | 23.9 | 72 500 | 299 | .5 | 1.8 | 3.5 |
| Slippery Rock borough | 3 008 | 887 | 5.4 | 52.4 | 23.2 | 843 | 2.21 | .45 | 42.5 | 1.4 | 22.7 | 28.0 | 57 200 | 290 | .2 | 1.4 | 4.2 |
| Slippery Rock township, Butler County | 4 638 | 1 260 | 5.0 | 64.7 | 14.0 | 1 057 | 2.26 | .46 | 66.4 | 1.2 | 17.1 | 23.3 | 53 800 | 325 | .3 | 1.0 | 6.3 |

Table 1. **Summary of General Housing Characteristics: 1990**—Con.

[For definitions of terms and meanings of symbols, see text]

| State<br>Urban and Rural and Size of Place<br>Inside and Outside Metropolitan Area<br>County<br>Place and [In Selected States] County Subdivision [1,000 or More Persons] | All persons | All housing units: Total | All housing units: Median rooms | All housing units: Percent: 1 unit, detached or attached | All housing units: Percent: In buildings with 10 or more units | Occupied housing units: Total | Occupied housing units: Median persons in unit | Occupied housing units: Mean number of persons per room | Occupied housing units: Percent: Owner | Occupied housing units: Percent: With 1.01 or more persons per room | Occupied housing units: Percent: With householder 65 years and over | Occupied housing units: Percent: 1-person households | Occupied housing units: Specified owner, median value (dollars) | Occupied housing units: Specified renter: Median contract rent (dollars) | Occupied housing units: Specified renter: Percent with meals included in rent | Vacancy rate: Homeowner | Vacancy rate: Rental |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PLACE AND COUNTY SUBDIVISION**—Con. | | | | | | | | | | | | | | | | | |
| Towanda township | 1 133 | 464 | 5.7 | 68.1 | 2.2 | 419 | 2.43 | .45 | 74.7 | 2.6 | 19.1 | 18.4 | 56 300 | 201 | – | 3.1 | .9 |
| Tower City borough | 1 518 | 676 | 6.2 | 81.5 | .1 | 629 | 2.20 | .38 | 75.4 | .6 | 34.5 | 30.2 | 35 600 | 204 | – | .6 | 6.6 |
| Trafford borough | 3 345 | 1 546 | 5.6 | 69.7 | 7.1 | 1 467 | 2.04 | .40 | 67.4 | .5 | 37.9 | 30.1 | 51 200 | 241 | – | 1.1 | 9.0 |
| Trainer borough | 2 271 | 912 | 5.7 | 74.1 | 3.1 | 871 | 2.26 | .48 | 77.5 | 2.2 | 28.7 | 29.4 | 71 900 | 342 | – | 2.6 | 4.9 |
| Trappe borough | 2 115 | 865 | 6.2 | 84.5 | 4.6 | 832 | 2.26 | .41 | 78.8 | .8 | 17.8 | 20.3 | 134 100 | 512 | – | 2.8 | 3.8 |
| Treasure Lake CDP | 2 185 | 1 254 | 6.4 | 96.5 | – | 816 | 2.36 | .39 | 85.2 | .2 | 17.0 | 17.3 | 79 500 | 413 | .9 | 4.0 | 2.4 |
| Tredyffrin township | 28 028 | 11 924 | 7.0 | 73.7 | 17.5 | 11 427 | 2.17 | .35 | 76.4 | .6 | 18.1 | 25.2 | 231 200 | 661 | .3 | 1.9 | 6.0 |
| Tremont borough | 1 814 | 700 | 5.9 | 77.6 | .1 | 666 | 2.22 | .43 | 78.7 | 1.4 | 33.9 | 28.5 | 28 300 | 233 | – | .8 | 5.3 |
| Tresckow CDP | 1 033 | 419 | 6.0 | 92.4 | – | 396 | 2.29 | .42 | 84.8 | 1.3 | 33.8 | 23.0 | 42 500 | 198 | 1.9 | .3 | 3.2 |
| Trevorton CDP | 2 058 | 897 | 6.0 | 82.9 | – | 828 | 2.20 | .39 | 81.0 | .8 | 34.5 | 25.7 | 34 000 | 184 | – | 1.0 | 12.3 |
| Trooper CDP | 5 137 | 1 777 | 6.6 | 82.8 | 2.4 | 1 749 | 2.70 | .44 | 89.5 | 1.4 | 20.7 | 16.5 | 140 300 | 518 | .6 | .4 | 3.2 |
| Troy borough | 1 262 | 583 | 5.6 | 58.0 | 8.6 | 541 | 1.99 | .40 | 54.3 | 1.1 | 34.6 | 34.6 | 50 700 | 196 | – | 1.7 | 6.4 |
| Troy township, Bradford County | 1 797 | 672 | 5.9 | 66.8 | – | 629 | 2.34 | .42 | 80.0 | .6 | 25.3 | 18.8 | 50 300 | 184 | – | .4 | 1.6 |
| Troy township, Crawford County | 1 235 | 496 | 5.7 | 75.4 | – | 415 | 2.51 | .50 | 85.5 | 4.3 | 19.8 | 16.6 | 38 300 | 205 | – | 1.4 | 1.6 |
| Tullytown borough | 2 339 | 873 | 5.3 | 70.0 | 18.6 | 854 | 2.42 | .51 | 66.9 | 2.3 | 19.8 | 21.4 | 99 700 | 465 | – | .7 | 2.7 |
| Tulpehocken township | 2 843 | 875 | 6.0 | 79.0 | – | 844 | 2.74 | .48 | 81.0 | 2.4 | 20.9 | 16.2 | 75 600 | 290 | 1.1 | .3 | 1.2 |
| Tunkhannock township, Monroe County | 2 060 | 2 196 | 5.5 | 89.8 | – | 719 | 2.55 | .50 | 84.0 | 3.1 | 19.1 | 13.8 | 99 200 | 454 | – | 4.0 | 10.2 |
| Tunkhannock borough | 2 251 | 916 | 5.8 | 58.1 | 9.7 | 884 | 1.95 | .40 | 53.7 | .8 | 35.0 | 37.6 | 72 700 | 297 | – | .6 | 1.9 |
| Tunkhannock township, Wyoming County | 4 371 | 1 818 | 5.5 | 75.1 | .8 | 1 568 | 2.55 | .46 | 82.8 | 1.4 | 17.9 | 18.8 | 74 600 | 290 | .4 | 1.3 | 7.5 |
| Turbot township | 1 846 | 687 | 6.1 | 87.5 | 1.6 | 671 | 2.29 | .41 | 78.4 | .1 | 26.4 | 15.1 | 68 700 | 150 | – | .6 | 1.4 |
| Turtle Creek borough | 6 556 | 3 067 | 4.9 | 59.0 | 6.4 | 2 877 | 1.97 | .45 | 47.2 | .9 | 35.3 | 35.2 | 33 100 | 201 | .1 | 2.2 | 4.6 |
| Tuscarora township, Juniata County | 1 099 | 519 | 5.5 | 75.5 | 2.7 | 397 | 2.46 | .47 | 84.4 | 4.5 | 23.4 | 21.4 | 40 900 | 155 | 2.4 | 1.5 | 3.1 |
| Tuscarora township, Perry County | 1 034 | 495 | 5.4 | 76.0 | – | 374 | 2.45 | .47 | 84.5 | 1.9 | 21.9 | 16.8 | 52 700 | 231 | – | .9 | 4.9 |
| Tuscarora CDP | 1 073 | 494 | 6.0 | 92.7 | – | 453 | 2.14 | .37 | 92.9 | 1.3 | 40.0 | 28.9 | 31 800 | 187 | – | .9 | 5.9 |
| Tyler Run-Queens Gate CDP | 2 739 | 1 311 | 5.2 | 51.5 | 33.7 | 1 264 | 1.86 | .36 | 50.1 | .5 | 35.8 | 36.6 | 90 300 | 476 | – | .6 | 4.5 |
| Tyrone township, Adams County | 1 829 | 617 | 5.9 | 82.3 | – | 606 | 2.81 | .50 | 81.7 | 2.0 | 17.7 | 11.2 | 71 900 | 301 | – | .4 | .9 |
| Tyrone borough | 5 743 | 2 524 | 5.8 | 70.0 | .6.7 | 2 364 | 2.13 | .41 | 64.7 | .6 | 35.0 | 29.9 | 34 000 | 170 | .3 | 1.0 | 5.6 |

Amendment
NEW NCE FM
PROPOSED FACILITIES
ALLENTOWN PA
ALLENCN1
TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 201

| AZIMUTH | ERP, KW. | HAAT (M) | 100/10% | 80/10% | 60/50% | 54/10% | 40/10% |
|---|---|---|---|---|---|---|---|
| 0 | .066 | 281 | .51835 | 4.2305 | 15.695 | 24.243 | 51.155 |
| 45 | .1 | 281 | .63804 | 4.8321 | 17.675 | 26.781 | 55.81 |
| 90 | .1 | 265 | .63613 | 4.7464 | 16.995 | 26.094 | 54.43 |
| 135 | .1 | 242 | .6327 | 4.6278 | 16.045 | 25.083 | 52.42 |
| 180 | .025 | 209 | .30856 | 2.7818 | 11.136 | 15.16 | 35.552 |
| 225 | .01 | 189 | .19222 | 1.9183 | 7.9769 | 11.963 | 27.64 |
| 270 | .013 | 286 | .23026 | 2.3147 | 10.991 | 15.085 | 35.422 |
| 315 | .044 | 297 | .42451 | 3.6947 | 14.845 | 22.446 | 48.01 |
| 10 | .071 | 287 | .53825 | 4.3631 | 16.045 | 24.946 | 52.487 |
| 20 | .1 | 294 | .63962 | 4.9257 | 18.229 | 27.343 | 56.94 |
| 30 | .1 | 290 | .63913 | 4.8964 | 18.058 | 27.171 | 56.591 |
| 40 | .1 | 288 | .63889 | 4.8819 | 17.973 | 27.084 | 56.417 |
| 50 | .1 | 281 | .63804 | 4.8321 | 17.675 | 26.781 | 55.81 |
| 60 | .1 | 259 | .6354 | 4.716 | 16.739 | 25.836 | 53.916 |
| 70 | .1 | 273 | .63709 | 4.7881 | 17.334 | 26.438 | 55.118 |
| 80 | .1 | 255 | .63492 | 4.6962 | 16.568 | 25.666 | 53.573 |
| 100 | .1 | 275 | .63732 | 4.7987 | 17.42 | 26.524 | 55.291 |
| 110 | .1 | 236 | .62985 | 4.581 | 15.886 | 24.74 | 51.757 |
| 120 | .1 | 233 | .62842 | 4.558 | 15.807 | 24.568 | 51.423 |
| 130 | .1 | 240 | .63175 | 4.6122 | 15.992 | 24.969 | 52.201 |
| 140 | .1 | 248 | .63408 | 4.6621 | 16.27 | 25.366 | 52.976 |
| 150 | .067 | 239 | .51671 | 4.0694 | 14.799 | 22.478 | 47.722 |
| 160 | .062 | 229 | .49333 | 3.8967 | 14.309 | 21.433 | 46.018 |
| 170 | .048 | 215 | .4295 | 3.4709 | 13.195 | 19.074 | 42.263 |
| 190 | .018 | 224 | .2648 | 2.5294 | 10.576 | 14.599 | 33.801 |
| 200 | .013 | 223 | .22487 | 2.2262 | 9.6017 | 13.625 | 31.186 |
| 210 | .011 | 220 | .20638 | 2.0654 | 9.036 | 13.059 | 29.998 |
| 220 | .01 | 196 | .19325 | 1.9314 | 8.1248 | 12.148 | 28.041 |
| 230 | .009 | 205 | .18458 | 1.8541 | 8.0556 | 12.079 | 27.917 |
| 240 | .009 | 268 | .19095 | 1.9415 | 9.5476 | 13.611 | 31.197 |
| 250 | .01 | 286 | .20196 | 2.0561 | 10.214 | 14.308 | 32.885 |
| 260 | .011 | 287 | .21185 | 2.1509 | 10.516 | 14.612 | 33.877 |
| 280 | .018 | 283 | .2708 | 2.6321 | 11.894 | 16.388 | 38.355 |
| 290 | .025 | 283 | .31915 | 2.9552 | 12.866 | 18.395 | 41.528 |
| 300 | .031 | 292 | .35599 | 3.1799 | 13.695 | 20.089 | 44.254 |
| 310 | .04 | 286 | .40391 | 3.5204 | 14.322 | 21.395 | 46.285 |
| 320 | .046 | 298 | .43414 | 3.7646 | 14.999 | 22.759 | 48.551 |
| 330 | .05 | 300 | .45279 | 3.8969 | 15.292 | 23.356 | 49.66 |
| 340 | .056 | 310.99 | .48007 | 4.1072 | 15.842 | 24.486 | 51.842 |
| 350 | .061 | 301 | .50022 | 4.2002 | 15.907 | 24.617 | 51.985 |
| | AREAS, Sq. Km. : | | .72492 | 45.404 | 641.59 | 1460.6 | 6687.7 |

OVERALL HEIGHT ABOVE AVERAGE TERRAIN = 256.25 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN DBU AS DETERMINED BY BIVARIATE INTERPOLATION
USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.

FM BLANKETING CONTOUR 115 dBu = .08 MILES, .12 KM.
CALCULATED PURSUANT TO R&R 73.318(a) FOR MAXIMUM ERP.

BPED-891019MF
NEW NCE FM
ALLENTOWN PA
ALLENCN
TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 201

| AZIMUTH | ERP, KW. | HAAT (M) | 100/10% | 80/10% | 60/50% | 54/10% | 40/10% |
|---|---|---|---|---|---|---|---|
| 0 | .014 | 274 | .23842 | 2.3768 | 10.968 | 15.042 | 35.298 |
| 45 | .088 | 273 | .59763 | 4.6063 | 16.615 | 25.658 | 53.689 |
| 90 | .097 | 251 | .62486 | 4.6351 | 16.227 | 25.31 | 52.893 |
| 135 | .018 | 232 | .26641 | 2.5537 | 10.787 | 14.81 | 34.527 |
| 180 | .004 | 202 | .12277 | 1.2277 | 6.4297 | 9.638 | 22.817 |
| 225 | .004 | 180 | .12042 | 1.2042 | 6.1395 | 9.0192 | 21.48 |
| 270 | .004 | 270 | .12734 | 1.2734 | 7.4318 | 11.267 | 26.337 |
| 315 | .004 | 278 | .12754 | 1.2754 | 7.5354 | 11.429 | 26.681 |
| 10 | .023 | 273.78 | .30558 | 2.8617 | 12.427 | 17.5 | 40.066 |
| 20 | .036 | 273.56 | .38228 | 3.336 | 13.743 | 20.226 | 44.37 |
| 30 | .057 | 273.33 | .48102 | 3.9897 | 15.093 | 23.022 | 48.863 |
| 40 | .079 | 273.11 | .56626 | 4.4534 | 16.05 | 25.004 | 52.494 |
| 50 | .097 | 270.56 | .62716 | 4.7321 | 17.059 | 26.147 | 54.568 |
| 60 | .144 | 265.67 | .76344 | 5.3879 | 19.079 | 28.345 | 58.556 |
| 70 | .12 | 260.78 | .69628 | 5.0224 | 17.843 | 27.024 | 56.1 |
| 80 | .114 | 255.89 | .67802 | 4.8964 | 17.346 | 26.501 | 55.107 |
| 100 | .079 | 246.78 | .56345 | 4.3377 | 15.471 | 23.881 | 50.255 |
| 110 | .057 | 242.56 | .47788 | 3.8779 | 14.422 | 21.699 | 46.521 |
| 120 | .036 | 238.34 | .37857 | 3.2354 | 12.973 | 18.665 | 41.725 |
| 130 | .023 | 234.11 | .30164 | 2.7909 | 11.557 | 15.58 | 37.057 |
| 140 | .014 | 228.67 | .23437 | 2.3092 | 9.9672 | 13.991 | 31.962 |
| 150 | .009 | 222 | .18696 | 1.8849 | 8.5044 | 12.528 | 28.894 |
| 160 | .006 | 215.33 | .15189 | 1.5189 | 7.4373 | 11.171 | 26.047 |
| 170 | .004 | 208.67 | .12339 | 1.2339 | 6.5315 | 9.8141 | 23.2 |
| 330 | .004 | 277.91 | .12753 | 1.2753 | 7.5341 | 11.427 | 26.678 |
| 340 | .006 | 277.85 | .1562 | 1.562 | 8.543 | 12.623 | 29.152 |
| 350 | .009 | 277.8 | .1913 | 1.9473 | 9.7394 | 13.82 | 31.625 |
| | AREAS, Sq. Km. : | | .36815 | 23.985 | 379.76 | 854.59 | 4125.7 |

OVERALL HEIGHT ABOVE AVERAGE TERRAIN = 245 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN DBU AS DETERMINED BY BIVARIATE INTERPOLATION
USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.

FM BLANKETING CONTOUR 115 dBu = .09 MILES, .15 KM.
CALCULATED PURSUANT TO R&R 73.318(a) FOR MAXIMUM ERP.

FAMILY STATIONS
PROPOSED OPERATION
NETCONG NEW JERSEY
FAMILY88
TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 201

| AZIMUTH | ERP, KW. | HAAT (M) | 60/50% | 54/10% | 40/10% |
|---|---|---|---|---|---|
| 0 | .652 | 140.5 | 20.254 | 29.651 | 61.657 |
| 45 | .618 | 42.999 | 10.98 | 15.003 | 36.939 |
| 90 | 2.32 | 61.5 | 18.292 | 27.539 | 63.355 |
| 135 | .311 | 76.701 | 12.39 | 17.297 | 40.987 |
| 180 | .1 | 75.101 | 8.98 | 13.003 | 29.911 |
| 225 | .1 | 108 | 11.151 | 15.175 | 36.004 |
| 270 | .603 | 148.3 | 20.405 | 29.808 | 61.812 |
| 315 | 2.32 | 150.4 | 28.069 | 41.661 | 80.202 |
| 10 | .491 | 129 | 17.803 | 26.953 | 56.786 |
| 20 | .491 | 111 | 15.983 | 24.843 | 53.591 |
| 30 | .491 | 78.999 | 13.871 | 20.419 | 46.494 |
| 40 | .491 | 70.001 | 13.278 | 19.183 | 44.551 |
| 50 | .77 | 23 | 9.9691 | 13.992 | 33.045 |
| 60 | .1206 | 16 | 5.9826 | 8.5934 | 20.587 |
| 70 | 1.888 | 34.001 | 13.044 | 18.575 | 47.274 |
| 80 | 2.32 | 46.001 | 15.228 | 23.356 | 57.349 |
| 100 | 1.481 | 70.501 | 16.924 | 26.03 | 59.031 |
| 110 | .944 | 82.001 | 15.973 | 24.853 | 55.521 |
| 120 | .603 | 78.999 | 14.47 | 21.683 | 48.844 |
| 130 | .384 | 73 | 12.76 | 18.086 | 42.482 |
| 140 | .245 | 80.999 | 11.979 | 16.42 | 39.357 |
| 150 | .157 | 78.999 | 10.551 | 14.574 | 34.034 |
| 160 | .1 | 77 | 9.1053 | 13.129 | 30.175 |
| 170 | .1 | 84.001 | 9.5674 | 13.591 | 31.149 |
| 190 | .1 | 58.001 | 7.8 | 11.679 | 27.158 |
| 200 | .1 | 37 | 6.1403 | 8.9074 | 21.287 |
| 210 | .1 | 73 | 8.8414 | 12.865 | 29.62 |
| 220 | .1 | 129 | 12.35 | 17.13 | 39.857 |
| 230 | .1 | 73 | 8.8414 | 12.865 | 29.62 |
| 240 | .157 | 88 | 11.145 | 15.168 | 36.172 |
| 250 | .245 | 115 | 14.223 | 21.103 | 46.492 |
| 260 | .384 | 128 | 16.354 | 25.352 | 53.786 |
| 280 | .944 | 149 | 22.956 | 32.86 | 67.628 |
| 290 | 1.481 | 151 | 25.614 | 37.43 | 74.123 |
| 300 | 2.32 | 150 | 28.04 | 41.614 | 80.145 |
| 310 | 2.32 | 151 | 28.114 | 41.732 | 80.287 |
| 320 | 2.32 | 148 | 27.892 | 41.378 | 79.864 |
| 330 | 1.602 | 145 | 25.605 | 37.451 | 74.315 |
| 340 | 1.023 | 138 | 22.579 | 32.235 | 66.999 |
| 350 | .652 | 146 | 20.669 | 30.101 | 62.407 |

AREAS, Sq. Km. : 953.51 2036.3 9151.5

OVERALL HEIGHT ABOVE AVERAGE TERRAIN = 100.44 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN DBU AS DETERMINED BY BIVARIATE INTERPOLATION
USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.



FM BLANKETING CONTOUR 115 dBu = .37 MILES, .60 KM.

WNJT-FM
PROPOSED OPERATION
TRENTON NJ
WNJTCOV
TABULATION OF TV/FM CONTOUR CALCULATIONS ON CHANNEL 201

| AZIMUTH | ERP, KW. | HAAT (M) | 100/10% | 80/10% | 70/10% | 60/50% | 54/10% | 40/10% | 34/10% |
|---|---|---|---|---|---|---|---|---|---|
| 0 | .11 | 201.9 | .64379 | 4.4497 | 8.5582 | 15.264 | 23.361 | 48.956 | 64.865 |
| 45 | .11 | 215.4 | .65038 | 4.5493 | 8.9145 | 15.62 | 24.137 | 50.511 | 66.459 |
| 90 | .11 | 214.59 | .64998 | 4.5433 | 8.8932 | 15.599 | 24.09 | 50.421 | 66.366 |
| 135 | .11 | 214.3 | .64984 | 4.5411 | 8.8853 | 15.591 | 24.073 | 50.385 | 66.331 |
| 180 | .11 | 220.69 | .65299 | 4.5894 | 9.0543 | 15.76 | 24.441 | 51.113 | 67.082 |
| 225 | .11 | 223.09 | .65418 | 4.6077 | 9.1177 | 15.823 | 24.578 | 51.383 | 67.364 |
| 270 | .11 | 204.59 | .64509 | 4.4693 | 8.6293 | 15.335 | 23.516 | 49.27 | 65.185 |
| 315 | .11 | 184.79 | .63551 | 4.328 | 8.1066 | 14.812 | 22.38 | 47.204 | 63.006 |
| 5 | .11 | 201 | .64335 | 4.4432 | 8.5344 | 15.24 | 23.31 | 48.852 | 64.758 |
| 10 | .11 | 199 | .64237 | 4.4288 | 8.4816 | 15.187 | 23.195 | 48.618 | 64.52 |
| 350 | .11 | 200 | .64287 | 4.436 | 8.508 | 15.214 | 23.253 | 48.736 | 64.639 |
| 355 | .11 | 203.3 | .64446 | 4.46 | 8.5952 | 15.301 | 23.442 | 49.12 | 65.03 |
| AREAS, Sq. Km. : | | | 1.3181 | 63.912 | 241.92 | 752.69 | 1784.2 | 7829.6 | 13621 |

OVERALL HEIGHT ABOVE AVERAGE TERRAIN = 209.93 (M)

ALL HEIGHTS IN METERS. ALL CONTOUR DISTANCES IN KILOMETERS.

ALL CONTOURS IN DBU AS DETERMINED BY BIVARIATE INTERPOLATION
USING VALUES FROM APPROPRIATE FCC F(50,50) AND F(50,10) CURVES.

FM BLANKETING CONTOUR 115 dBu = .08 MILES, .13 KM.
CALCULATED PURSUANT TO R&R 73.318(a) FOR MAXIMUM ERP.

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Title: LVCBA
Channel span: 201 - 201
FM site coordinates: 40-33-54 75-26-26
FM height above mean sea level: 408 m
FM effective radiated power(s) in kW (bearing and ERP):

| | | | | | |
|---|---|---|---|---|---|
| 0 - | .002 | 10 - | .002 | 20 - | .003 |
| 30 - | .003 | 40 - | .003 | 50 - | .003 |
| 60 - | .003 | 70 - | .003 | 80 - | .003 |
| 90 - | .003 | 100 - | .003 | 110 - | .003 |
| 120 - | .003 | 130 - | .003 | 140 - | .003 |
| 150 - | .002 | 160 - | .002 | 170 - | .001 |
| 180 - | .001 | 190 - | .000 | 200 - | .000 |
| 210 - | .000 | 220 - | .000 | 230 - | .000 |
| 240 - | .000 | 250 - | .000 | 260 - | .000 |
| 270 - | .000 | 280 - | .000 | 290 - | .001 |
| 300 - | .001 | 310 - | .001 | 320 - | .001 |
| 330 - | .001 | 340 - | .001 | 350 - | .002 |

TV site coordinates: 40-02-39 75-14-26
TV height above average terrain: 332 m
TV effective radiated power (in kW): 74.099

The attached Dataworld FM/TV Channel six study was used as a guide in preparing the Channel six interference study. The results of this study are with respect to the main lobe of vertical plane pattern only. The Dataworld program interpolates HAAT between the eight cardinal radials. Please note that the actual HAAT for each of the radials depicted on the profile graphs was usedfor angles -3° thru -12° vertical plane radiated power. The actual ERP from the Horizontal Plane Radiation Pattern was devided by 40 and the apropriate TVI ERP was entered every ten degrees of azimuth change. No adjustment for TV antenna receive directivity was taken since vertical only polarization is proposed.

CHARLES W. LOUGHERY
SOUTHAMPTON, PA

April 3, 1993

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .0 | 6.3 | 345.3 | 66.3 | 336 | 74.1 | 62.4 | -3.5 | .0 | 6.29 | 286 | 0 | 58.9 |
| 1.0 | 6.3 | 345.4 | 66.3 | 336 | 74.1 | 62.4 | -3.5 | 1.0 | 6.31 | 286 | 0 | 58.9 |
| 2.0 | 6.3 | 345.5 | 66.3 | 336 | 74.1 | 62.4 | -3.5 | 2.0 | 6.32 | 286 | 0 | 59.0 |
| 3.0 | 6.3 | 345.6 | 66.3 | 336 | 74.1 | 62.5 | -3.5 | 3.0 | 6.33 | 286 | 0 | 59.0 |
| 4.0 | 6.3 | 345.7 | 66.3 | 336 | 74.1 | 62.5 | -3.5 | 4.0 | 6.34 | 286 | 0 | 59.0 |
| 5.0 | 6.3 | 345.7 | 66.2 | 336 | 74.1 | 62.5 | -3.5 | 5.0 | 6.35 | 286 | 0 | 59.0 |
| 6.0 | 6.4 | 345.8 | 66.2 | 336 | 74.1 | 62.5 | -3.5 | 6.0 | 6.36 | 286 | 0 | 59.0 |
| 7.0 | 6.4 | 345.9 | 66.2 | 336 | 74.1 | 62.5 | -3.5 | 7.0 | 6.37 | 286 | 0 | 59.0 |
| 8.0 | 6.4 | 346.0 | 66.1 | 335 | 74.1 | 62.5 | -3.5 | 8.0 | 6.39 | 286 | 0 | 59.0 |
| 9.0 | 6.4 | 346.1 | 66.1 | 335 | 74.1 | 62.5 | -3.5 | 9.0 | 6.40 | 286 | 0 | 59.0 |
| 10.0 | 6.4 | 346.2 | 66.1 | 335 | 74.1 | 62.5 | -3.5 | 10.0 | 6.41 | 286 | 0 | 59.0 |
| 11.0 | 6.4 | 346.3 | 66.1 | 335 | 74.1 | 62.5 | -3.5 | 11.0 | 6.44 | 286 | 0 | 59.0 |
| 12.0 | 6.5 | 346.4 | 66.1 | 335 | 74.1 | 62.5 | -3.5 | 12.0 | 6.49 | 286 | 0 | 59.0 |

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45.0 | 6.8 | 349.1 | 63.8 | 333 | 74.1 | 63.5 | -3.7 | 45.0 | 6.77 | 285 | 0 | 59.7 |
| 46.0 | 6.7 | 349.1 | 63.7 | 333 | 74.1 | 63.5 | -3.7 | 46.0 | 6.75 | 285 | 0 | 59.8 |
| 47.0 | 6.7 | 349.2 | 63.6 | 333 | 74.1 | 63.5 | -3.7 | 47.0 | 6.73 | 285 | 0 | 59.8 |
| 48.0 | 6.7 | 349.2 | 63.5 | 333 | 74.1 | 63.6 | -3.7 | 48.0 | 6.70 | 284 | 0 | 59.8 |
| 49.0 | 6.7 | 349.2 | 63.3 | 333 | 74.1 | 63.6 | -3.8 | 49.0 | 6.68 | 284 | 0 | 59.9 |
| 50.0 | 6.7 | 349.3 | 63.2 | 333 | 74.1 | 63.7 | -3.8 | 50.0 | 6.66 | 283 | 0 | 59.9 |
| 51.0 | 6.6 | 349.3 | 63.1 | 333 | 74.1 | 63.7 | -3.8 | 51.0 | 6.64 | 283 | 0 | 59.9 |
| 52.0 | 6.6 | 349.3 | 63 | 333 | 74.1 | 63.8 | -3.8 | 52.0 | 6.61 | 283 | 0 | 60.0 |
| 53.0 | 6.6 | 349.4 | 62.9 | 333 | 74.1 | 63.8 | -3.8 | 53.0 | 6.59 | 282 | 0 | 60.0 |
| 54.0 | 6.6 | 349.4 | 62.8 | 333 | 74.1 | 63.9 | -3.8 | 54.0 | 6.57 | 282 | 0 | 60.1 |
| 55.0 | 6.6 | 349.4 | 62.7 | 333 | 74.1 | 63.9 | -3.8 | 55.0 | 6.55 | 281 | 0 | 60.1 |
| 56.0 | 6.5 | 349.4 | 62.6 | 333 | 74.1 | 64.0 | -3.8 | 56.0 | 6.52 | 281 | 0 | 60.1 |
| 57.0 | 6.5 | 349.5 | 62.4 | 333 | 74.1 | 64.0 | -3.9 | 57.0 | 6.50 | 280 | 0 | 60.2 |
| 58.0 | 6.5 | 349.5 | 62.3 | 333 | 74.1 | 64.1 | -3.9 | 58.0 | 6.48 | 280 | 0 | 60.2 |
| 59.0 | 6.5 | 349.5 | 62.2 | 333 | 74.1 | 64.1 | -3.9 | 59.0 | 6.46 | 280 | 0 | 60.2 |
| 60.0 | 6.4 | 349.5 | 62.1 | 333 | 74.1 | 64.2 | -3.9 | 60.0 | 6.45 | 279 | 0 | 60.3 |
| 61.0 | 6.4 | 349.5 | 62.0 | 333 | 74.1 | 64.2 | -3.9 | 61.0 | 6.42 | 279 | 0 | 60.3 |
| 62.0 | 6.4 | 349.6 | 61.9 | 333 | 74.1 | 64.3 | -3.9 | 62.0 | 6.40 | 278 | 0 | 60.4 |
| 63.0 | 6.4 | 349.6 | 61.8 | 333 | 74.1 | 64.3 | -3.9 | 63.0 | 6.38 | 278 | 0 | 60.4 |
| 64.0 | 6.4 | 349.6 | 61.7 | 333 | 74.1 | 64.4 | -3.9 | 64.0 | 6.36 | 278 | 0 | 60.4 |
| 65.0 | 6.3 | 349.6 | 61.5 | 333 | 74.1 | 64.4 | -4.0 | 65.0 | 6.34 | 277 | 0 | 60.5 |
| 66.0 | 6.3 | 349.6 | 61.4 | 333 | 74.1 | 64.5 | -4.0 | 66.0 | 6.31 | 277 | 0 | 60.5 |
| 67.0 | 6.3 | 349.6 | 61.3 | 333 | 74.1 | 64.5 | -4.0 | 67.0 | 6.29 | 276 | 0 | 60.5 |
| 68.0 | 6.3 | 349.6 | 61.2 | 333 | 74.1 | 64.6 | -4.0 | 68.0 | 6.27 | 276 | 0 | 60.6 |
| 69.0 | 6.3 | 349.6 | 61.1 | 333 | 74.1 | 64.6 | -4.0 | 69.0 | 6.25 | 275 | 0 | 60.6 |
| 70.0 | 6.2 | 349.6 | 61.0 | 333 | 74.1 | 64.7 | -4.0 | 70.0 | 6.23 | 275 | 0 | 60.6 |
| 71.0 | 6.2 | 349.6 | 60.9 | 333 | 74.1 | 64.7 | -4.0 | 71.0 | 6.20 | 275 | 0 | 60.7 |
| 72.0 | 6.2 | 349.6 | 60.8 | 333 | 74.1 | 64.8 | -4.0 | 72.0 | 6.18 | 274 | 0 | 60.7 |
| 73.0 | 6.2 | 349.6 | 60.7 | 333 | 74.1 | 64.8 | -4.1 | 73.0 | 6.16 | 274 | 0 | 60.8 |
| 74.0 | 6.1 | 349.6 | 60.5 | 333 | 74.1 | 64.9 | -4.1 | 74.0 | 6.14 | 273 | 0 | 60.8 |
| 75.0 | 6.1 | 349.6 | 60.4 | 333 | 74.1 | 64.9 | -4.1 | 75.0 | 6.12 | 273 | 0 | 60.8 |
| 76.0 | 6.1 | 349.5 | 60.3 | 333 | 74.1 | 65.0 | -4.1 | 76.0 | 6.10 | 273 | 0 | 60.9 |
| 77.0 | 6.1 | 349.5 | 60.2 | 333 | 74.1 | 65.0 | -4.1 | 77.0 | 6.08 | 272 | 0 | 60.9 |
| 78.0 | 6.1 | 349.5 | 60.1 | 333 | 74.1 | 65.1 | -4.1 | 78.0 | 6.06 | 272 | 0 | 60.9 |
| 79.0 | 6.0 | 349.5 | 60.0 | 333 | 74.1 | 65.1 | -4.1 | 79.0 | 6.04 | 271 | 0 | 61.0 |
| 80.0 | 6.0 | 349.5 | 59.9 | 333 | 74.1 | 65.2 | -4.1 | 80.0 | 6.02 | 271 | 0 | 61.0 |

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90.0 | 5.8 | 349.2 | 58.9 | 333 | 74.1 | 65.6 | -4.2 | 90.0 | 5.82 | 267 | 0 | 61.4 |
| 91.0 | 5.8 | 349.1 | 58.8 | 333 | 74.1 | 65.7 | -4.3 | 91.0 | 5.80 | 266 | 0 | 61.4 |
| 92.0 | 5.8 | 349.1 | 58.7 | 333 | 74.1 | 65.7 | -4.3 | 92.0 | 5.78 | 266 | 0 | 61.5 |
| 93.0 | 5.8 | 349.1 | 58.6 | 333 | 74.1 | 65.8 | -4.3 | 93.0 | 5.77 | 265 | 0 | 61.5 |
| 94.0 | 5.8 | 349.0 | 58.5 | 333 | 74.1 | 65.8 | -4.3 | 94.0 | 5.75 | 265 | 0 | 61.5 |
| 95.0 | 5.7 | 349.0 | 58.4 | 334 | 74.1 | 65.9 | -4.3 | 95.0 | 5.72 | 264 | 0 | 61.6 |
| 96.0 | 5.7 | 348.9 | 58.3 | 334 | 74.1 | 65.9 | -4.3 | 96.0 | 5.70 | 264 | 0 | 61.6 |
| 97.0 | 5.7 | 348.9 | 58.3 | 334 | 74.1 | 65.9 | -4.3 | 97.0 | 5.69 | 264 | 0 | 61.6 |
| 98.0 | 5.7 | 348.8 | 58.2 | 334 | 74.1 | 66.0 | -4.3 | 98.0 | 5.67 | 263 | 0 | 61.6 |
| 99.0 | 5.7 | 348.8 | 58.1 | 334 | 74.1 | 66.0 | -4.3 | 99.0 | 5.65 | 263 | 0 | 61.7 |
| 100.0 | 5.6 | 348.7 | 58.0 | 334 | 74.1 | 66.1 | -4.3 | 100.0 | 5.63 | 262 | 0 | 61.7 |
| 101.0 | 5.6 | 348.7 | 57.9 | 334 | 74.1 | 66.1 | -4.3 | 101.0 | 5.63 | 262 | 0 | 61.7 |
| 102.0 | 5.6 | 348.6 | 57.8 | 334 | 74.1 | 66.1 | -4.3 | 102.0 | 5.61 | 261 | 0 | 61.8 |
| 103.0 | 5.6 | 348.6 | 57.7 | 334 | 74.1 | 66.2 | -4.4 | 103.0 | 5.59 | 261 | 0 | 61.8 |
| 104.0 | 5.6 | 348.5 | 57.7 | 334 | 74.1 | 66.2 | -4.4 | 104.0 | 5.57 | 261 | 0 | 61.8 |
| 105.0 | 5.6 | 348.5 | 57.6 | 334 | 74.1 | 66.3 | -4.4 | 105.0 | 5.56 | 260 | 0 | 61.9 |
| 106.0 | 5.5 | 348.4 | 57.5 | 334 | 74.1 | 66.3 | -4.4 | 106.0 | 5.54 | 260 | 0 | 61.9 |
| 107.0 | 5.5 | 348.3 | 57.4 | 334 | 74.1 | 66.3 | -4.4 | 107.0 | 5.52 | 259 | 0 | 61.9 |
| 108.0 | 5.5 | 348.3 | 57.4 | 334 | 74.1 | 66.4 | -4.4 | 108.0 | 5.51 | 259 | 0 | 62.0 |
| 109.0 | 5.5 | 348.2 | 57.3 | 334 | 74.1 | 66.4 | -4.4 | 109.0 | 5.49 | 258 | 0 | 62.0 |
| 110.0 | 5.5 | 348.2 | 57.2 | 334 | 74.1 | 66.4 | -4.4 | 110.0 | 5.48 | 258 | 0 | 62.0 |
| 111.0 | 5.5 | 348.1 | 57.1 | 334 | 74.1 | 66.5 | -4.4 | 111.0 | 5.46 | 257 | 0 | 62.0 |
| 112.0 | 5.4 | 348.0 | 57.1 | 334 | 74.1 | 66.5 | -4.4 | 112.0 | 5.45 | 257 | 0 | 62.1 |
| 113.0 | 5.4 | 348.0 | 57.0 | 335 | 74.1 | 66.5 | -4.4 | 113.0 | 5.43 | 257 | 0 | 62.1 |
| 114.0 | 5.4 | 347.9 | 56.9 | 335 | 74.1 | 66.6 | -4.4 | 114.0 | 5.41 | 256 | 0 | 62.1 |
| 115.0 | 5.4 | 347.8 | 56.9 | 335 | 74.1 | 66.6 | -4.4 | 115.0 | 5.40 | 256 | 0 | 62.1 |
| 116.0 | 5.4 | 347.8 | 56.8 | 335 | 74.1 | 66.6 | -4.4 | 116.0 | 5.38 | 255 | 0 | 62.2 |

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 135.0 | 5.2 | 346.3 | 55.8 | 335 | 74.1 | 67.1 | -4.5 | 135.0 | 5.16 | 247 | 0 | 62.6 |
| 136.0 | 5.1 | 346.2 | 55.8 | 335 | 74.1 | 67.1 | -4.5 | 136.0 | 5.15 | 246 | 0 | 62.6 |
| 137.0 | 5.1 | 346.1 | 55.7 | 335 | 74.1 | 67.1 | -4.5 | 137.0 | 5.14 | 246 | 0 | 62.6 |
| 138.0 | 5.1 | 346.0 | 55.7 | 335 | 74.1 | 67.2 | -4.5 | 138.0 | 5.13 | 245 | 0 | 62.6 |
| 139.0 | 5.1 | 345.9 | 55.7 | 336 | 74.1 | 67.2 | -4.5 | 139.0 | 5.11 | 244 | 0 | 62.7 |
| 140.0 | 5.1 | 345.8 | 55.7 | 336 | 74.1 | 67.2 | -4.5 | 140.0 | 5.10 | 244 | 0 | 62.7 |
| 141.0 | 5.1 | 345.8 | 55.6 | 336 | 74.1 | 67.2 | -4.5 | 141.0 | 5.08 | 243 | 0 | 62.7 |
| 142.0 | 5.0 | 345.6 | 55.6 | 336 | 74.1 | 67.2 | -4.5 | 142.0 | 5.03 | 243 | 0 | 62.7 |
| 143.0 | 5.0 | 345.5 | 55.7 | 336 | 74.1 | 67.2 | -4.5 | 143.0 | 4.96 | 242 | 0 | 62.7 |
| 144.0 | 4.9 | 345.4 | 55.7 | 336 | 74.1 | 67.2 | -4.5 | 144.0 | 4.88 | 241 | 0 | 62.6 |
| 145.0 | 4.8 | 345.3 | 55.8 | 336 | 74.1 | 67.2 | -4.5 | 145.0 | 4.80 | 241 | 0 | 62.6 |
| 146.0 | 4.7 | 345.2 | 55.8 | 336 | 74.1 | 67.1 | -4.5 | 146.0 | 4.72 | 240 | 0 | 62.6 |
| 147.0 | 4.6 | 345.1 | 55.9 | 336 | 74.1 | 67.1 | -4.5 | 147.0 | 4.64 | 239 | 0 | 62.6 |
| 148.0 | 4.6 | 345.0 | 55.9 | 336 | 74.1 | 67.1 | -4.5 | 148.0 | 4.56 | 239 | 0 | 62.6 |
| 149.0 | 4.5 | 344.9 | 55.9 | 336 | 74.1 | 67.1 | -4.5 | 149.0 | 4.50 | 238 | 0 | 62.6 |
| 150.0 | 4.5 | 344.8 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 150.0 | 4.46 | 237 | 0 | 62.5 |
| 151.0 | 4.4 | 344.7 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 151.0 | 4.43 | 237 | 0 | 62.6 |
| 152.0 | 4.4 | 344.7 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 152.0 | 4.41 | 236 | 0 | 62.6 |
| 153.0 | 4.4 | 344.6 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 153.0 | 4.40 | 235 | 0 | 62.5 |
| 154.0 | 4.4 | 344.5 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 154.0 | 4.39 | 235 | 0 | 62.5 |
| 155.0 | 4.4 | 344.4 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 155.0 | 4.38 | 234 | 0 | 62.5 |
| 156.0 | 4.4 | 344.3 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 156.0 | 4.38 | 233 | 0 | 62.5 |
| 157.0 | 4.4 | 344.3 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 157.0 | 4.37 | 233 | 0 | 62.5 |
| 158.0 | 4.4 | 344.2 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 158.0 | 4.36 | 232 | 0 | 62.5 |
| 159.0 | 4.3 | 344.1 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 159.0 | 4.34 | 232 | 0 | 62.5 |
| 160.0 | 4.3 | 344.0 | 56.0 | 336 | 74.1 | 67.1 | -4.5 | 160.0 | 4.32 | 231 | 0 | 62.5 |
| 161.0 | 4.3 | 343.9 | 56.0 | 337 | 74.1 | 67.1 | -4.5 | 161.0 | 4.29 | 230 | 0 | 62.5 |
| 162.0 | 4.3 | 343.9 | 56.0 | 337 | 74.1 | 67.1 | -4.5 | 162.0 | 4.26 | 230 | 0 | 62.5 |
| 163.0 | 4.2 | 343.8 | 56.1 | 337 | 74.1 | 67.1 | -4.5 | 163.0 | 4.24 | 229 | 0 | 62.5 |
| 164.0 | 4.2 | 343.7 | 56.1 | 337 | 74.1 | 67.0 | -4.5 | 164.0 | 4.21 | 228 | 0 | 62.5 |
| 165.0 | 4.2 | 343.6 | 56.1 | 337 | 74.1 | 67.0 | -4.5 | 165.0 | 4.17 | 228 | 0 | 62.5 |
| 166.0 | 4.1 | 343.6 | 56.2 | 337 | 74.1 | 67.0 | -4.5 | 166.0 | 4.14 | 227 | 0 | 62.5 |
| 167.0 | 4.1 | 343.5 | 56.2 | 337 | 74.1 | 67.0 | -4.5 | 167.0 | 4.10 | 226 | 0 | 62.5 |
| 168.0 | 4.1 | 343.4 | 56.2 | 337 | 74.1 | 67.0 | -4.5 | 168.0 | 4.06 | 226 | 0 | 62.5 |
| 169.0 | 4.0 | 343.4 | 56.3 | 337 | 74.1 | 66.9 | -4.5 | 169.0 | 4.02 | 225 | 0 | 62.4 |
| 170.0 | 4.0 | 343.3 | 56.3 | 337 | 74.1 | 66.9 | -4.5 | 170.0 | 3.97 | 224 | 0 | 62.4 |
| 171.0 | 3.9 | 343.2 | 56.4 | 337 | 74.1 | 66.9 | -4.5 | 171.0 | 3.92 | 224 | 0 | 62.4 |
| 172.0 | 3.8 | 343.2 | 56.5 | 337 | 74.1 | 66.9 | -4.5 | 172.0 | 3.85 | 223 | 0 | 62.4 |
| 173.0 | 3.8 | 343.1 | 56.6 | 337 | 74.1 | 66.8 | -4.5 | 173.0 | 3.77 | 223 | 0 | 62.3 |
| 174.0 | 3.7 | 343.1 | 56.7 | 337 | 74.1 | 66.8 | -4.5 | 174.0 | 3.68 | 222 | 0 | 62.3 |
| 175.0 | 3.6 | 343.0 | 56.8 | 337 | 74.1 | 66.7 | -4.5 | 175.0 | 3.59 | 221 | 0 | 62.2 |
| 176.0 | 3.5 | 343.0 | 56.9 | 338 | 74.1 | 66.7 | -4.5 | 176.0 | 3.50 | 221 | 0 | 62.2 |
| 177.0 | 3.4 | 343.0 | 57.0 | 338 | 74.1 | 66.6 | -4.4 | 177.0 | 3.42 | 220 | 0 | 62.2 |
| 178.0 | 3.3 | 342.9 | 57.1 | 338 | 74.1 | 66.6 | -4.4 | 178.0 | 3.35 | 219 | 0 | 62.1 |
| 179.0 | 3.3 | 342.9 | 57.1 | 338 | 74.1 | 66.6 | -4.4 | 179.0 | 3.28 | 219 | 0 | 62.1 |

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180.0 | 3.2 | 342.8 | 57.2 | 338 | 74.1 | 66.5 | -4.4 | 180.0 | 3.24 | 218 | 0 | 62.1 |
| 181.0 | 3.2 | 342.8 | 57.2 | 338 | 74.1 | 66.5 | -4.4 | 181.0 | 3.20 | 217 | 0 | 62.1 |
| 182.0 | 3.2 | 342.7 | 57.3 | 338 | 74.1 | 66.5 | -4.4 | 182.0 | 3.17 | 217 | 0 | 62.0 |

Title: LVCBA

Educational FM/TV Channel 6 Interference area

| Interference Site | ----- WPVI Channel 6 ----- C/R 332 m AAT | ---- Proposed Ch. 201 ---- C/R 259 m AAT |
|---|---|---|

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 270.0 | 3.0 | 341.0 | 61.2 | 338 | 74.1 | 64.7 | -4.0 | 270.0 | 3.02 | 285 | 0 | 60.7 |
| 271.0 | 3.1 | 341.0 | 61.3 | 338 | 74.1 | 64.7 | -4.0 | 271.0 | 3.07 | 285 | 0 | 60.7 |
| 272.0 | 3.1 | 341.0 | 61.3 | 339 | 74.1 | 64.7 | -4.0 | 272.0 | 3.11 | 285 | 0 | 60.7 |
| 273.0 | 3.2 | 341.0 | 61.4 | 339 | 74.1 | 64.7 | -4.0 | 273.0 | 3.15 | 285 | 0 | 60.6 |
| 274.0 | 3.2 | 340.9 | 61.5 | 339 | 74.1 | 64.6 | -4.0 | 274.0 | 3.20 | 285 | 0 | 60.6 |
| 275.0 | 3.3 | 340.9 | 61.6 | 339 | 74.1 | 64.6 | -4.0 | 275.0 | 3.25 | 285 | 0 | 60.6 |
| 276.0 | 3.3 | 340.9 | 61.6 | 339 | 74.1 | 64.6 | -4.0 | 276.0 | 3.30 | 285 | 0 | 60.6 |
| 277.0 | 3.3 | 340.9 | 61.7 | 339 | 74.1 | 64.5 | -4.0 | 277.0 | 3.35 | 286 | 0 | 60.5 |
| 278.0 | 3.4 | 340.9 | 61.8 | 339 | 74.1 | 64.5 | -4.0 | 278.0 | 3.40 | 286 | 0 | 60.5 |
| 279.0 | 3.4 | 340.9 | 61.8 | 339 | 74.1 | 64.5 | -4.0 | 279.0 | 3.45 | 286 | 0 | 60.5 |
| 280.0 | 3.5 | 340.8 | 61.9 | 339 | 74.1 | 64.4 | -4.0 | 280.0 | 3.51 | 286 | 0 | 60.4 |
| 281.0 | 3.6 | 340.8 | 62 | 339 | 74.1 | 64.4 | -4.0 | 281.0 | 3.55 | 286 | 0 | 60.4 |
| 282.0 | 3.6 | 340.8 | 62.1 | 339 | 74.1 | 64.4 | -3.9 | 282.0 | 3.60 | 286 | 0 | 60.4 |
| 283.0 | 3.7 | 340.8 | 62.2 | 339 | 74.1 | 64.3 | -3.9 | 283.0 | 3.66 | 286 | 0 | 60.4 |
| 284.0 | 3.7 | 340.8 | 62.3 | 339 | 74.1 | 64.3 | -3.9 | 284.0 | 3.71 | 287 | 0 | 60.4 |
| 285.0 | 3.8 | 340.8 | 62.3 | 339 | 74.1 | 64.3 | -3.9 | 285.0 | 3.77 | 287 | 0 | 60.3 |
| 286.0 | 3.8 | 340.8 | 62.4 | 339 | 74.1 | 64.2 | -3.9 | 286.0 | 3.83 | 287 | 0 | 60.3 |
| 287.0 | 3.9 | 340.8 | 62.5 | 339 | 74.1 | 64.2 | -3.9 | 287.0 | 3.89 | 287 | 0 | 60.3 |
| 288.0 | 3.9 | 340.8 | 62.6 | 339 | 74.1 | 64.1 | -3.9 | 288.0 | 3.95 | 287 | 0 | 60.2 |
| 289.0 | 4.0 | 340.8 | 62.7 | 339 | 74.1 | 64.1 | -3.9 | 289.0 | 3.99 | 287 | 0 | 60.2 |
| 290.0 | 4.1 | 340.8 | 62.8 | 339 | 74.1 | 64.1 | -3.9 | 290.0 | 4.05 | 287 | 0 | 60.2 |
| 291.0 | 4.1 | 340.8 | 62.9 | 339 | 74.1 | 64.0 | -3.9 | 291.0 | 4.11 | 288 | 0 | 60.2 |
| 292.0 | 4.2 | 340.8 | 63.0 | 339 | 74.1 | 64.0 | -3.8 | 292.0 | 4.16 | 288 | 0 | 60.1 |
| 293.0 | 4.2 | 340.8 | 63.0 | 339 | 74.1 | 63.9 | -3.8 | 293.0 | 4.21 | 288 | 0 | 60.1 |
| 294.0 | 4.2 | 340.8 | 63.1 | 339 | 74.1 | 63.9 | -3.8 | 294.0 | 4.25 | 288 | 0 | 60.1 |
| 295.0 | 4.3 | 340.8 | 63.2 | 339 | 74.1 | 63.9 | -3.8 | 295.0 | 4.29 | 288 | 0 | 60.0 |
| 296.0 | 4.3 | 340.9 | 63.3 | 339 | 74.1 | 63.8 | -3.8 | 296.0 | 4.33 | 288 | 0 | 60.0 |
| 297.0 | 4.4 | 340.9 | 63.4 | 339 | 74.1 | 63.8 | -3.8 | 297.0 | 4.37 | 288 | 0 | 60.0 |
| 298.0 | 4.4 | 340.9 | 63.4 | 339 | 74.1 | 63.8 | -3.8 | 298.0 | 4.40 | 288 | 0 | 60.0 |
| 299.0 | 4.4 | 340.9 | 63.5 | 339 | 74.1 | 63.7 | -3.8 | 299.0 | 4.44 | 289 | 0 | 60.0 |
| 300.0 | 4.5 | 341.0 | 63.6 | 339 | 74.1 | 63.7 | -3.8 | 300.0 | 4.49 | 289 | 0 | 59.9 |
| 301.0 | 4.6 | 341.0 | 63.7 | 339 | 74.1 | 63.7 | -3.8 | 301.0 | 4.55 | 289 | 0 | 59.9 |
| 302.0 | 4.6 | 341.0 | 63.8 | 339 | 74.1 | 63.6 | -3.7 | 302.0 | 4.61 | 289 | 0 | 59.8 |
| 303.0 | 4.7 | 341.0 | 63.9 | 338 | 74.1 | 63.6 | -3.7 | 303.0 | 4.67 | 289 | 0 | 59.8 |
| 304.0 | 4.7 | 341.0 | 64 | 338 | 74.1 | 63.5 | -3.7 | 304.0 | 4.73 | 289 | 0 | 59.8 |
| 305.0 | 4.8 | 341.1 | 64.1 | 338 | 74.1 | 63.5 | -3.7 | 305.0 | 4.79 | 289 | 0 | 59.7 |
| 306.0 | 4.9 | 341.1 | 64.2 | 338 | 74.1 | 63.4 | -3.7 | 306.0 | 4.85 | 290 | 0 | 59.7 |
| 307.0 | 4.9 | 341.1 | 64.3 | 338 | 74.1 | 63.4 | -3.7 | 307.0 | 4.91 | 290 | 0 | 59.7 |
| 308.0 | 5.0 | 341.2 | 64.4 | 338 | 74.1 | 63.3 | -3.7 | 308.0 | 4.98 | 290 | 0 | 59.6 |
| 309.0 | 5.0 | 341.2 | 64.5 | 338 | 74.1 | 63.3 | -3.7 | 309.0 | 5.03 | 290 | 0 | 59.6 |
| 310.0 | 5.1 | 341.2 | 64.6 | 338 | 74.1 | 63.3 | -3.7 | 310.0 | 5.09 | 290 | 0 | 59.6 |
| 311.0 | 5.1 | 341.3 | 64.7 | 338 | 74.1 | 63.2 | -3.7 | 311.0 | 5.14 | 290 | 0 | 59.6 |
| 312.0 | 5.2 | 341.3 | 64.8 | 338 | 74.1 | 63.2 | -3.6 | 312.0 | 5.19 | 290 | 0 | 59.5 |
| 313.0 | 5.2 | 341.4 | 64.8 | 338 | 74.1 | 63.2 | -3.6 | 313.0 | 5.22 | 291 | 0 | 59.5 |
| 314.0 | 5.3 | 341.5 | 64.9 | 338 | 74.1 | 63.1 | -3.6 | 314.0 | 5.26 | 291 | 0 | 59.5 |

Title: LVCBA

Educational FM/TV Channel 6 Interference area

Interference
--- Site ----
Lat 40-33-54
Lon 75-26-26

----- WPVI Channel 6 -----
C/R 332 m AAT
Latitude: 40-02-39
Longitude: 75-14-26

---- Proposed Ch. 201 ----
C/R 259 m AAT
Latitude: 40-33-54
Longitude: 75-26-26

| Bear. (deg) | Dist (km) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) | U/D (dB) | Bear. (deg) | Dist (km) | Haat (m) | ERP (kW) | F.S. (dBu) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 315.0 | 5.3 | 341.5 | 65.0 | 338 | 74.1 | 63.1 | -3.6 | 315.0 | 5.30 | 291 | 0 | 59.5 |
| 316.0 | 5.3 | 341.6 | 65.1 | 338 | 74.1 | 63.1 | -3.6 | 316.0 | 5.33 | 291 | 0 | 59.4 |
| 317.0 | 5.4 | 341.6 | 65.1 | 338 | 74.1 | 63.0 | -3.6 | 317.0 | 5.37 | 291 | 0 | 59.4 |
| 318.0 | 5.4 | 341.7 | 65.2 | 338 | 74.1 | 63.0 | -3.6 | 318.0 | 5.40 | 291 | 0 | 59.4 |
| 319.0 | 5.4 | 341.8 | 65.3 | 338 | 74.1 | 63.0 | -3.6 | 319.0 | 5.42 | 290 | 0 | 59.4 |
| 320.0 | 5.4 | 341.8 | 65.3 | 338 | 74.1 | 62.9 | -3.6 | 320.0 | 5.45 | 290 | 0 | 59.3 |
| 321.0 | 5.5 | 341.9 | 65.4 | 338 | 74.1 | 62.9 | -3.6 | 321.0 | 5.48 | 290 | 0 | 59.3 |
| 322.0 | 5.5 | 342.0 | 65.4 | 338 | 74.1 | 62.9 | -3.6 | 322.0 | 5.50 | 290 | 0 | 59.3 |
| 323.0 | 5.5 | 342.0 | 65.5 | 338 | 74.1 | 62.9 | -3.6 | 323.0 | 5.53 | 290 | 0 | 59.3 |
| 324.0 | 5.5 | 342.1 | 65.5 | 338 | 74.1 | 62.8 | -3.6 | 324.0 | 5.55 | 290 | 0 | 59.3 |
| 325.0 | 5.6 | 342.2 | 65.6 | 338 | 74.1 | 62.8 | -3.6 | 325.0 | 5.57 | 290 | 0 | 59.2 |
| 326.0 | 5.6 | 342.3 | 65.6 | 338 | 74.1 | 62.8 | -3.6 | 326.0 | 5.59 | 290 | 0 | 59.2 |
| 327.0 | 5.6 | 342.3 | 65.7 | 338 | 74.1 | 62.8 | -3.6 | 327.0 | 5.61 | 290 | 0 | 59.2 |
| 328.0 | 5.6 | 342.4 | 65.7 | 338 | 74.1 | 62.8 | -3.5 | 328.0 | 5.63 | 289 | 0 | 59.2 |
| 329.0 | 5.7 | 342.5 | 65.8 | 338 | 74.1 | 62.7 | -3.5 | 329.0 | 5.65 | 289 | 0 | 59.2 |
| 330.0 | 5.7 | 342.6 | 65.8 | 338 | 74.1 | 62.7 | -3.5 | 330.0 | 5.68 | 289 | 0 | 59.2 |
| 331.0 | 5.7 | 342.7 | 65.9 | 338 | 74.1 | 62.7 | -3.5 | 331.0 | 5.70 | 289 | 0 | 59.2 |
| 332.0 | 5.7 | 342.7 | 65.9 | 338 | 74.1 | 62.7 | -3.5 | 332.0 | 5.73 | 289 | 0 | 59.1 |
| 333.0 | 5.8 | 342.8 | 66.0 | 338 | 74.1 | 62.7 | -3.5 | 333.0 | 5.76 | 289 | 0 | 59.1 |
| 334.0 | 5.8 | 342.9 | 66.0 | 338 | 74.1 | 62.6 | -3.5 | 334.0 | 5.79 | 289 | 0 | 59.1 |
| 335.0 | 5.8 | 343.0 | 66.0 | 338 | 74.1 | 62.6 | -3.5 | 335.0 | 5.82 | 289 | 0 | 59.1 |
| 336.0 | 5.9 | 343.1 | 66.1 | 337 | 74.1 | 62.6 | -3.5 | 336.0 | 5.86 | 289 | 0 | 59.0 |
| 337.0 | 5.9 | 343.2 | 66.1 | 337 | 74.1 | 62.6 | -3.5 | 337.0 | 5.89 | 288 | 0 | 59.0 |
| 338.0 | 5.9 | 343.2 | 66.2 | 337 | 74.1 | 62.5 | -3.5 | 338.0 | 5.91 | 288 | 0 | 59.0 |
| 339.0 | 5.9 | 343.3 | 66.2 | 337 | 74.1 | 62.5 | -3.5 | 339.0 | 5.94 | 288 | 0 | 59.0 |
| 340.0 | 6.0 | 343.4 | 66.2 | 337 | 74.1 | 62.5 | -3.5 | 340.0 | 5.96 | 288 | 0 | 59.0 |
| 341.0 | 6.0 | 343.5 | 66.2 | 337 | 74.1 | 62.5 | -3.5 | 341.0 | 5.98 | 288 | 0 | 59.0 |
| 342.0 | 6.0 | 343.6 | 66.3 | 337 | 74.1 | 62.5 | -3.5 | 342.0 | 6.00 | 288 | 0 | 59.0 |
| 343.0 | 6.0 | 343.7 | 66.3 | 337 | 74.1 | 62.5 | -3.5 | 343.0 | 6.02 | 288 | 0 | 59.0 |
| 344.0 | 6.0 | 343.8 | 66.3 | 337 | 74.1 | 62.5 | -3.5 | 344.0 | 6.04 | 288 | 0 | 59.0 |
| 345.0 | 6.1 | 343.9 | 66.3 | 337 | 74.1 | 62.5 | -3.5 | 345.0 | 6.05 | 288 | 0 | 59.0 |
| 346.0 | 6.1 | 344.0 | 66.3 | 337 | 74.1 | 62.5 | -3.5 | 346.0 | 6.07 | 287 | 0 | 59.0 |
| 347.0 | 6.1 | 344.1 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 347.0 | 6.10 | 287 | 0 | 58.9 |
| 348.0 | 6.1 | 344.1 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 348.0 | 6.11 | 287 | 0 | 58.9 |
| 349.0 | 6.1 | 344.2 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 349.0 | 6.13 | 287 | 0 | 58.9 |
| 350.0 | 6.2 | 344.3 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 350.0 | 6.15 | 287 | 0 | 58.9 |
| 351.0 | 6.2 | 344.4 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 351.0 | 6.16 | 287 | 0 | 58.9 |
| 352.0 | 6.2 | 344.5 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 352.0 | 6.18 | 287 | 0 | 58.9 |
| 353.0 | 6.2 | 344.6 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 353.0 | 6.19 | 287 | 0 | 58.9 |
| 354.0 | 6.2 | 344.7 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 354.0 | 6.21 | 287 | 0 | 58.9 |
| 355.0 | 6.2 | 344.8 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 355.0 | 6.22 | 286 | 0 | 58.9 |
| 356.0 | 6.2 | 344.9 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 356.0 | 6.23 | 286 | 0 | 59.0 |
| 357.0 | 6.3 | 345.0 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 357.0 | 6.25 | 286 | 0 | 58.9 |
| 358.0 | 6.3 | 345.1 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 358.0 | 6.27 | 286 | 0 | 58.9 |
| 359.0 | 6.3 | 345.2 | 66.4 | 336 | 74.1 | 62.4 | -3.5 | 359.0 | 6.28 | 286 | 0 | 58.9 |

**CERTIFICATE OF SERVICE**

I, Artie King, Secretary in the law office of Schwartz, Woods & Miller, do hereby certify that I have on this 15th day of April 1993 sent by First Class United States mail, postage prepaid, copies of the foregoing **PETITION FOR LEAVE TO AMEND AND AMENDMENT** to the following: