



Frequency Allocation Information for the Cisco CMTS Routers

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Frequency Allocation for the Cisco CMTS Routers

The table below provides information about the NTSC 6-MHz channel bands:

Table 1: NTSC Cable Television Channels and Relative Frequencies in MHz

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|---------------|---------------|---------------|---------------|
| T 7 | 5.75 - 11.75 | 7 | 10.58 | 11.5 |
| T 8 | 11.75 - 17.75 | 13 | 16.58 | 17.5 |
| T9 | 17.75-23.75 | 19 | 22.58 | 23.5 |
| T10 | 23.75-29.75 | 25 | 28.58 | 29.5 |
| T11 | 29.75-35.75 | 31 | 34.58 | 35.5 |
| T12 | 35.75-41.75 | 37 | 40.58 | 41.5 |
| T13 | 41.75-47.75 | 43 | 46.58 | 47.5 |
| TV-IF | 40.0-46.0 | 45.75 | 42.17 | 41.25 |
| 2-2 | 54.0-60.0 | 55.25 | 58.83 | 59.75 |
| 3-3 | 60.0-66.0 | 61.25 | 64.83 | 65.75 |
| 4-4 | 66.0-72.0 | 67.25 | 70.83 | 71.75 |
| 5-5 | 76.0-82.0 | 77.25 | 80.83 | 81.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|-------------|---------------|---------------|---------------|
| 6-6 | 82.0-88.0 | 83.25 | 86.83 | 87.75 |
| FM | 88.0-108.0 | | | |
| A-5-95 | 90.0-96.0 | 91.25 | 94.83 | 95.75 |
| A-4-96 | 96.0-102.0 | 97.25 | 100.83 | 101.75 |
| A-3-97 | 102.0-108.0 | 103.25 | 106.83 | 107.75 |
| A-2-98 | 108.0-114.0 | 109.25 | 112.83 | 113.75 |
| A-1-99 | 114.0-120.0 | 115.25 | 118.83 | 119.75 |
| A-14 | 120.0-126.0 | 121.25 | 124.83 | 125.75 |
| B-15 | 126.0-132.0 | 127.25 | 130.83 | 131.75 |
| C-16 | 132.0-138.0 | 133.25 | 136.83 | 137.75 |
| D-17 | 138.0-144.0 | 139.25 | 142.83 | 143.75 |
| E-18 | 144.0-150.0 | 145.25 | 148.83 | 149.75 |
| F-19 | 150.0-156.0 | 151.25 | 154.83 | 155.75 |
| G-20 | 156.0-162.0 | 157.25 | 160.83 | 161.75 |
| H-21 | 162.0-168.0 | 163.25 | 166.83 | 167.75 |
| I-22 | 168.0-174.0 | 169.25 | 172.83 | 173.75 |
| 7-7 | 174.0-180.0 | 175.25 | 178.83 | 179.75 |
| 8-8 | 180.0-186.0 | 181.25 | 184.83 | 185.75 |
| 9-9 | 186.0-192.0 | 187.25 | 190.83 | 191.75 |
| 10-10 | 192.0-198.0 | 193.25 | 196.83 | 197.75 |
| 11-11 | 198.0-204.0 | 199.25 | 202.83 | 203.75 |
| 12-12 | 204.0-210.0 | 205.25 | 208.83 | 209.75 |
| 13-13 | 210.0-216.0 | 211.25 | 214.83 | 215.75 |
| J-23 | 216.0-222.0 | 217.25 | 220.83 | 221.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|-------------|---------------|---------------|---------------|
| K-24 | 222.0-228.0 | 223.25 | 226.83 | 227.75 |
| L-25 | 228.0-234.0 | 229.25 | 232.83 | 233.75 |
| M-26 | 234.0-240.0 | 235.25 | 238.83 | 239.75 |
| N-27 | 240.0-246.0 | 241.25 | 244.83 | 245.75 |
| O-28 | 246.0-252.0 | 247.25 | 250.83 | 251.75 |
| P-29 | 252.0-258.0 | 253.25 | 256.83 | 257.75 |
| Q-30 | 258.0-264.0 | 259.25 | 262.83 | 263.75 |
| R-31 | 264.0-270.0 | 265.25 | 268.83 | 269.75 |
| S-32 | 270.0-276.0 | 271.25 | 274.83 | 275.75 |
| T-33 | 276.0-282.0 | 277.25 | 280.83 | 281.75 |
| U-34 | 282.0-288.0 | 283.25 | 286.83 | 287.75 |
| V-35 | 288.0-294.0 | 289.25 | 292.83 | 293.75 |
| W-36 | 294.0-300.0 | 295.25 | 298.83 | 299.75 |
| AA-37 | 300.0-306.0 | 301.25 | 304.83 | 305.75 |
| BB-38 | 306.0-312.0 | 307.25 | 310.83 | 311.75 |
| CC-39 | 312.0-318.0 | 313.25 | 316.83 | 317.75 |
| DD-40 | 318.0-324.0 | 319.25 | 322.83 | 323.75 |
| EE-41 | 324.0-330.0 | 325.25 | 328.83 | 329.75 |
| FF-42 | 330.0-336.0 | 331.25 | 334.83 | 335.75 |
| GG-43 | 336.0-342.0 | 337.25 | 340.83 | 341.75 |
| HH-44 | 342.0-348.0 | 343.25 | 346.83 | 347.75 |
| II-45 | 348.0-354.0 | 349.25 | 352.83 | 353.75 |
| JJ-46 | 354.0-360.0 | 355.25 | 358.83 | 359.75 |
| KK-47 | 360.0-366.0 | 361.25 | 364.83 | 365.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|-------------|---------------|---------------|---------------|
| LL-48 | 366.0-372.0 | 367.25 | 370.83 | 371.75 |
| MM-49 | 372.0-378.0 | 373.25 | 376.83 | 377.75 |
| NN-50 | 378.0-384.0 | 379.25 | 382.83 | 383.75 |
| OO-51 | 384.0-390.0 | 385.25 | 388.83 | 389.75 |
| PP-52 | 390.0-396.0 | 391.25 | 394.83 | 395.75 |
| QQ-53 | 396.0-402.0 | 397.25 | 400.83 | 401.75 |
| RR-54 | 402.0-408.0 | 403.25 | 406.83 | 407.75 |
| SS-55 | 408.0-414.0 | 409.25 | 412.83 | 413.75 |
| TT-56 | 414.0-420.0 | 415.25 | 418.83 | 419.75 |
| UU-57 | 420.0-426.0 | 421.25 | 424.83 | 425.75 |
| VV-58 | 426.0-432.0 | 427.25 | 430.83 | 431.75 |
| WW-59 | 432.0-438.0 | 433.25 | 436.83 | 437.75 |
| XX-60 | 438.0-444.0 | 439.25 | 442.83 | 443.75 |
| YY-61 | 444.0-450.0 | 445.25 | 448.83 | 449.75 |
| ZZ-62 | 450.0-456.0 | 451.25 | 454.83 | 455.75 |
| AAA-63 | 456.0-462.0 | 457.25 | 460.83 | 461.75 |
| BBB-64 | 462.0-468.0 | 463.25 | 466.83 | 467.75 |
| CCC-65 | 468.0-474.0 | 469.25 | 472.83 | 473.75 |
| DDD-66 | 474.0-480.0 | 475.25 | 478.83 | 479.75 |
| EEE-67 | 480.0-486.0 | 481.25 | 484.83 | 485.75 |
| FFF-68 | 486.0-492.0 | 487.25 | 490.83 | 491.75 |
| GGG-69 | 492.0-498.0 | 493.25 | 496.83 | 497.75 |
| HHH-70 | 498.0-504.0 | 499.25 | 502.83 | 503.75 |
| III-71 | 504.0-510.0 | 505.25 | 508.83 | 509.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|-------------|---------------|---------------|---------------|
| JJJ-72 | 510.0-516.0 | 511.25 | 514.83 | 515.75 |
| KKK-73 | 516.0-522.0 | 517.25 | 520.83 | 521.75 |
| LLL-74 | 522.0-528.0 | 523.25 | 526.83 | 527.75 |
| MMM-75 | 528.0-534.0 | 529.25 | 532.83 | 533.75 |
| NNN-76 | 534.0-540.0 | 535.25 | 538.83 | 539.75 |
| OOO-77 | 540.0-546.0 | 541.25 | 544.83 | 545.75 |
| PPP-78 | 546.0-552.0 | 547.25 | 550.83 | 551.75 |
| QQQ-79 | 552.0-558.0 | 553.25 | 556.83 | 557.75 |
| RRR-80 | 558.0-564.0 | 559.25 | 562.83 | 563.75 |
| SSS-81 | 564.0-570.0 | 565.25 | 568.83 | 569.75 |
| TTT-82 | 570.0-576.0 | 571.25 | 574.83 | 575.75 |
| UUU-83 | 576.0-582.0 | 577.25 | 580.83 | 581.75 |
| VVV-84 | 582.0-588.0 | 583.25 | 586.83 | 587.75 |
| WWW-85 | 588.0-594.0 | 589.25 | 592.83 | 593.75 |
| XXX-86 | 594.0-600.0 | 595.25 | 598.83 | 599.75 |
| YYY-87 | 600.0-606.0 | 601.25 | 604.83 | 605.75 |
| ZZZ-88 | 606.0-612.0 | 607.25 | 610.83 | 611.75 |
| 89-89 | 612.0-618.0 | 613.25 | 616.83 | 617.75 |
| 90-90 | 618.0-624.0 | 619.25 | 622.83 | 623.75 |
| 91-91 | 624.0-630.0 | 625.25 | 628.83 | 629.75 |
| 92-92 | 630.0-636.0 | 631.25 | 634.83 | 635.75 |
| 93-93 | 636.0-642.0 | 637.25 | 640.83 | 641.75 |
| 94-94 | 642.0-648.0 | 643.25 | 646.83 | 647.75 |
| 100-100 | 648.0-654.0 | 649.25 | 652.83 | 653.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|-------------|---------------|---------------|---------------|
| 101-101 | 654.0-660.0 | 655.25 | 658.83 | 659.75 |
| 102-102 | 660.0-666.0 | 661.25 | 664.83 | 665.75 |
| 103-103 | 666.0-672.0 | 667.25 | 670.83 | 671.75 |
| 104-104 | 672.0-678.0 | 673.25 | 676.83 | 677.75 |
| 105-105 | 678.0-684.0 | 679.25 | 682.83 | 683.75 |
| 106-106 | 684.0-690.0 | 685.25 | 688.83 | 689.75 |
| 107-107 | 690.0-696.0 | 691.25 | 694.83 | 695.75 |
| 108-108 | 696.0-702.0 | 697.25 | 700.83 | 701.75 |
| 109-109 | 702.0-708.0 | 703.25 | 706.83 | 707.75 |
| 110-110 | 708.0-714.0 | 709.25 | 712.83 | 713.75 |
| 111-111 | 714.0-720.0 | 715.25 | 718.83 | 719.75 |
| 112-112 | 720.0-726.0 | 721.25 | 724.83 | 725.75 |
| 113-113 | 726.0-732.0 | 727.25 | 730.83 | 731.75 |
| 114-114 | 732.0-738.0 | 733.25 | 736.83 | 737.75 |
| 115-115 | 738.0-744.0 | 739.25 | 742.83 | 743.75 |
| 116-116 | 744.0-750.0 | 745.25 | 748.83 | 749.75 |
| 117-117 | 750.0-756.0 | 751.25 | 754.83 | 755.75 |
| 118-118 | 756.0-762.0 | 757.25 | 760.83 | 761.75 |
| 119-119 | 762.0-768.0 | 763.25 | 766.83 | 767.75 |
| 120-120 | 768.0-674.0 | 769.25 | 772.83 | 773.75 |
| 121-121 | 774.0-780.0 | 775.25 | 778.83 | 779.75 |
| 122-122 | 780.0-786.0 | 781.25 | 784.83 | 785.75 |
| 123-123 | 786.0-792.0 | 787.25 | 790.83 | 791.75 |
| 124-124 | 792.0-798.0 | 793.25 | 796.83 | 797.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|-------------|---------------|---------------|---------------|
| 125-125 | 798.0-804.0 | 799.25 | 802.83 | 803.75 |
| 126-126 | 804.0-810.0 | 805.25 | 808.83 | 809.75 |
| 127-127 | 810.0-816.0 | 811.25 | 814.83 | 815.75 |
| 128-128 | 816.0-822.0 | 817.25 | 820.83 | 821.75 |
| 129-129 | 822.0-828.0 | 823.25 | 826.83 | 827.75 |
| 130-130 | 828.0-834.0 | 829.25 | 832.83 | 833.75 |
| 131-131 | 834.0-840.0 | 835.25 | 838.83 | 839.75 |
| 132-132 | 840.0-846.0 | 841.25 | 844.83 | 845.75 |
| 133-133 | 846.0-852.0 | 847.25 | 850.83 | 851.75 |
| 134-134 | 852.0-858.0 | 853.25 | 856.83 | 857.75 |
| 135-135 | 858.0-864.0 | 859.25 | 862.83 | 863.75 |
| 136-136 | 864.0-870.0 | 865.25 | 868.83 | 869.75 |
| 137-137 | 870.0-876.0 | 871.25 | 874.83 | 875.75 |
| 138-138 | 876.0-882.0 | 877.25 | 880.83 | 881.75 |
| 139-139 | 882.0-888.0 | 883.25 | 886.83 | 887.75 |
| 140-140 | 888.0-894.0 | 889.25 | 892.83 | 893.75 |
| 141-141 | 894.0-900.0 | 895.25 | 898.83 | 899.75 |
| 142-142 | 900.0-906.0 | 901.25 | 904.83 | 905.75 |
| 143-143 | 906.0-912.0 | 907.25 | 910.83 | 911.75 |
| 144-144 | 912.0-918.0 | 913.25 | 916.83 | 917.75 |
| 145-145 | 918.0-924.0 | 919.25 | 922.83 | 923.75 |
| 146-146 | 924.0-930.0 | 925.25 | 928.83 | 929.75 |
| 147-147 | 930.0-936.0 | 931.25 | 934.83 | 935.75 |
| 148-148 | 936.0-942.0 | 937.25 | 940.83 | 941.75 |

| Channel Number | Bandwidth | Video Carrier | Color Carrier | Audio Carrier |
|----------------|--------------|---------------|---------------|---------------|
| 149-149 | 942.0-948.0 | 943.25 | 946.83 | 947.75 |
| 150-150 | 948.0-954.0 | 949.25 | 952.83 | 953.75 |
| 151-151 | 954.0-960.0 | 955.25 | 958.83 | 959.75 |
| 152-152 | 960.0-966.0 | 961.25 | 964.83 | 965.75 |
| 153-153 | 966.0-972.0 | 967.25 | 970.83 | 971.75 |
| 154-154 | 972.0-978.0 | 973.25 | 976.83 | 977.75 |
| 155-155 | 978.0-984.0 | 979.25 | 982.83 | 983.75 |
| 156-156 | 984.0-990.0 | 985.25 | 988.83 | 989.75 |
| 157-157 | 990.0-996.0 | 991.25 | 994.83 | 995.75 |
| 158-158 | 996.0-1002.0 | 997.25 | 1000.83 | 1001.75 |

The table below provides information on the Phase Alternating Line (PAL) and Systeme Electronique Couleur Avec Memoire (SECAM) 8-MHz channel bands:

Table 2: European Cable Television Channels and Relative Frequencies in MHz

| Channel Number | Bandwidth | Video Carrier | Audio Carrier |
|----------------|-----------|---------------|---------------|
| 2 | 47-54 | 48.25 | 48.25 |
| 3 | 54-61 | 55.25 | 55.25 |
| 4 | 61-68 | 62.25 | 62.25 |
| S2 | 111-118 | 112.25 | 112.25 |
| S3 | 118-125 | 119.25 | 119.25 |
| S4 | 125-132 | 126.25 | 126.25 |
| S5 | 132-139 | 133.25 | 133.25 |
| S6 | 139-146 | 140.25 | 140.25 |
| S7 | 146-153 | 147.25 | 147.25 |
| S8 | 153-160 | 154.25 | 154.25 |
| S9 | 160-167 | 161.25 | 161.25 |

| Channel Number | Bandwidth | Video Carrier | Audio Carrier |
|----------------|-----------|---------------|---------------|
| S10 | 167-174 | 168.25 | 168.25 |
| 5 | 174-181 | 175.25 | 175.25 |
| 6 | 181-188 | 182.25 | 182.25 |
| 7 | 188-195 | 189.25 | 189.25 |
| 8 | 195-202 | 196.25 | 196.25 |
| 9 | 202-209 | 203.25 | 203.25 |
| 10 | 209-216 | 210.25 | 210.25 |
| 11 | 216-223 | 217.25 | 217.25 |
| 12 | 223-230 | 224.25 | 224.25 |
| S11 | 230-237 | 231.25 | 231.25 |
| S12 | 237-244 | 238.25 | 238.25 |
| S13 | 244-251 | 245.25 | 245.25 |
| S14 | 251-258 | 252.25 | 252.25 |
| S15 | 258-265 | 259.25 | 259.25 |
| S16 | 265-272 | 266.25 | 266.25 |
| S17 | 272-279 | 273.25 | 273.25 |
| S18 | 279-286 | 280.25 | 280.25 |
| S19 | 286-293 | 287.25 | 287.25 |
| S20 | 293-300 | 294.25 | 294.25 |
| S21 | 302-310 | 303.25 | 303.25 |
| S22 | 310-318 | 311.25 | 311.25 |
| S23 | 318-326 | 319.25 | 319.25 |
| S24 | 326-334 | 327.25 | 327.25 |
| S25 | 334-342 | 335.25 | 335.25 |

| Channel Number | Bandwidth | Video Carrier | Audio Carrier |
|----------------|-----------|---------------|---------------|
| S26 | 342-350 | 343.25 | 343.25 |
| S27 | 350-358 | 351.25 | 351.25 |
| S28 | 358-366 | 359.25 | 359.25 |
| S29 | 366-374 | 367.25 | 367.25 |
| S30 | 374-382 | 375.25 | 375.25 |
| S31 | 382-390 | 383.25 | 383.25 |
| S32 | 390-398 | 391.25 | 391.25 |
| S33 | 398-406 | 399.25 | 399.25 |
| S34 | 406-414 | 407.25 | 407.25 |
| S35 | 414-422 | 415.25 | 415.25 |
| S36 | 422-430 | 423.25 | 423.25 |
| S37 | 430-438 | 431.25 | 431.25 |
| S38 | 438-446 | 439.25 | 439.25 |
| 21 | 470-478 | 471.25 | 471.25 |
| 22 | 478-486 | 479.25 | 479.25 |
| 23 | 486-494 | 487.25 | 487.25 |
| 24 | 494-502 | 495.25 | 495.25 |
| 25 | 502-510 | 503.25 | 503.25 |
| 26 | 510-518 | 511.25 | 511.25 |
| 27 | 518-526 | 519.25 | 519.25 |
| 28 | 526-534 | 527.25 | 527.25 |
| 29 | 534-542 | 535.25 | 535.25 |
| 30 | 542-550 | 543.25 | 543.25 |
| 31 | 550-558 | 551.25 | 551.25 |

| Channel Number | Bandwidth | Video Carrier | Audio Carrier |
|----------------|-----------|---------------|---------------|
| 32 | 558-566 | 559.25 | 559.25 |
| 33 | 566-574 | 567.25 | 567.25 |
| 34 | 574-582 | 575.25 | 575.25 |
| 35 | 582-590 | 583.25 | 583.25 |
| 36 | 590-598 | 591.25 | 591.25 |
| 37 | 598-606 | 599.25 | 599.25 |
| 38 | 606-614 | 607.25 | 607.25 |
| 39 | 614-622 | 615.25 | 615.25 |
| 40 | 622-630 | 623.25 | 623.25 |
| 41 | 630-638 | 631.25 | 631.25 |
| 42 | 638-646 | 639.25 | 639.25 |
| 43 | 646-654 | 647.25 | 647.25 |
| 44 | 654-662 | 655.25 | 655.25 |
| 45 | 662-670 | 663.25 | 663.25 |
| 46 | 670-678 | 671.25 | 671.25 |
| 47 | 678-686 | 679.25 | 679.25 |
| 48 | 686-694 | 687.25 | 687.25 |
| 49 | 694-702 | 695.25 | 695.25 |
| 50 | 702-710 | 703.25 | 703.25 |
| 51 | 710-718 | 711.25 | 711.25 |
| 52 | 718-726 | 719.25 | 719.25 |
| 53 | 726-734 | 727.25 | 727.25 |
| 54 | 734-742 | 735.25 | 735.25 |
| 55 | 742-750 | 743.25 | 743.25 |

| Channel Number | Bandwidth | Video Carrier | Audio Carrier |
|-----------------------|------------------|----------------------|----------------------|
| 56 | 750-758 | 751.25 | 751.25 |
| 57 | 758-766 | 759.25 | 759.25 |
| 58 | 766-774 | 767.25 | 767.25 |
| 59 | 774-782 | 775.25 | 775.25 |
| 60 | 782-790 | 783.25 | 783.25 |
| 61 | 790-798 | 791.25 | 791.25 |
| 62 | 798-806 | 799.25 | 799.25 |
| 63 | 806-814 | 807.25 | 807.25 |
| 64 | 814-822 | 815.25 | 815.25 |
| 65 | 822-830 | 823.25 | 823.25 |
| 66 | 830-838 | 831.25 | 831.25 |
| 67 | 838-846 | 839.25 | 839.25 |
| 68 | 846-854 | 847.25 | 847.25 |
| 69 | 854-862 | 855.25 | 855.25 |