



# 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
6-6	82.0-88.0	83.25	86.83	87.75

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Color Carrier</b>	<b>Audio Carrier</b>
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
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

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Color Carrier</b>	<b>Audio Carrier</b>
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
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

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Color Carrier</b>	<b>Audio Carrier</b>
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
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

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Color Carrier</b>	<b>Audio Carrier</b>
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
XXX86	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
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

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Color Carrier</b>	<b>Audio Carrier</b>
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
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

Channel Number	Bandwidth	Video Carrier	Color Carrier	Audio Carrier
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
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

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Audio Carrier</b>
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
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



<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Audio Carrier</b>
S23	318-326	319.25	319.25
S24	326-334	327.25	327.25
S25	334-342	335.25	335.25
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

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Audio Carrier</b>
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
56	750-758	751.25	751.25
57	758-766	759.25	759.25
58	766-774	767.25	767.25

<b>Channel Number</b>	<b>Bandwidth</b>	<b>Video Carrier</b>	<b>Audio Carrier</b>
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

