

## USA &amp; TAIWAN Channels

(VIF:45.75MHz , SIF:41.25MHz)

## TV Frequency Table

(UNIT: MHz)

CH	Frequency Range	Picture fp	Sound fs	Oscillation f osc	CH	Frequency Range	Picture fp	Sound fs	Oscillation f osc
2	54-60	55.25	59.75	101	43	644-650	645.25	649.75	691
3	60-66	61.25	65.75	107	44	650-656	651.25	655.75	697
4	66-72	67.25	71.75	113	45	656-662	657.25	661.75	703
5	76-82	77.25	81.75	123	46	662-668	663.25	667.75	709
6	82-88	83.25	87.75	129	47	668-674	669.25	673.75	715
7	174-180	175.25	179.75	221	48	674-680	675.25	679.75	721
8	180-186	181.25	185.75	227	49	680-686	681.25	685.75	727
9	186-192	187.25	191.75	233	50	686-692	687.25	691.75	733
10	192-198	193.25	197.75	239	51	692-698	693.25	697.75	739
11	198-204	199.25	203.75	245	52	698-704	699.25	703.75	745
12	204-210	205.25	209.75	251	53	704-710	705.25	709.75	751
13	210-216	211.25	215.75	257	54	710-716	711.25	715.75	757
14	470-476	471.25	475.75	517	55	716-722	717.25	721.75	763
15	476-482	477.25	481.75	523	56	722-728	723.25	727.75	769
16	482-488	483.25	487.75	529	57	728-734	729.25	733.75	775
17	488-494	489.25	493.75	535	58	734-740	735.25	739.75	781
18	494-500	495.25	499.75	541	59	740-746	741.25	745.75	787
19	500-506	501.25	505.75	547	60	746-752	747.25	751.75	793
20	506-512	507.25	511.75	553	61	752-758	753.25	757.75	799
21	512-518	513.25	517.75	559	62	758-764	759.25	763.75	805
22	518-524	519.25	523.75	565	63	764-770	765.25	769.75	811
23	524-530	525.25	529.75	571	64	770-776	771.25	775.75	817
24	530-536	531.25	535.75	577	65	776-782	777.25	781.75	823
25	536-542	537.25	541.75	583	66	782-788	783.25	787.75	829
26	542-548	543.25	547.75	589	67	788-794	789.25	793.75	835
27	548-554	549.25	553.75	595	68	794-800	795.25	799.75	841
28	554-560	555.25	559.75	601	69	800-806	801.25	805.75	847
29	560-566	561.25	565.75	607	70	806-812	807.25	811.75	853
30	566-572	567.25	571.75	613	71	812-818	813.25	817.75	859
31	572-578	573.25	577.75	619	72	818-824	819.25	823.75	865
32	578-584	579.25	583.75	625	73	824-830	825.25	829.75	871
33	584-590	585.25	589.75	631	74	830-836	831.25	835.75	877
34	590-596	591.25	595.75	637	75	836-842	837.25	841.75	883
35	596-602	597.25	601.75	643	76	842-848	843.25	847.75	889
36	602-608	603.25	607.75	649	77	848-854	849.25	853.75	895
37	608-614	609.25	613.75	655	78	854-860	855.25	859.75	901
38	614-620	615.25	619.75	661	79	860-866	861.25	865.75	907
39	620-626	621.25	625.75	667	80	866-872	867.25	871.75	913
40	626-632	627.25	631.75	673	81	872-878	873.25	877.75	919
41	632-638	633.25	637.75	679	82	878-884	879.25	883.75	925
42	638-644	639.25	643.75	685	83	884-890	885.25	889.75	931

Version : 1.0

**USA & TAIWAN (CATV Band ) Channel**

**TV Frequency Table**

(VIF:45.75MHz , SIF:41.25MHz)

(UNIT: MHz)

CH		Frequency Range	Picture fp	Sound fs	Oscillation f osc	CH		Frequency Range	Picture fp	Sound fs	Oscillation f osc
2	2	54-60	55.25	59.75	101	JJ	46	354-360	355.25	359.75	401
3	3	60-66	61.25	65.75	107	KK	47	360-366	361.25	365.75	407
4	4	66-72	67.25	71.75	113	LL	48	366-372	367.25	371.75	413
5A	1	72-78	73.25	77.75	119	MM	49	372-378	373.25	377.75	419
5	5	76-82	77.25	81.75	123	NN	50	378-384	379.25	383.75	425
6	6	82-88	83.25	87.75	129	OO	51	384-390	385.25	389.75	431
A-5	95	90-96	91.25	95.75	137	PP	52	390-396	391.25	395.75	437
A-4	96	96-102	97.25	101.75	143	QQ	53	396-402	397.25	401.75	443
A-3	97	102-108	103.25	107.75	149	RR	54	402-408	403.25	407.75	449
A-2	98	108-114	109.25	113.75	155	SS	55	408-414	409.25	413.75	455
A-1	99	114-120	115.25	119.75	161	TT	56	414-420	415.25	419.75	461
A	14	120-126	121.25	125.75	167	UU	57	420-426	421.25	425.75	467
B	15	126-132	127.25	131.75	173	VV	58	426-432	427.25	431.75	473
C	16	132-138	133.25	137.75	179	WW	59	432-438	433.25	437.75	479
D	17	138-144	139.25	143.75	185	AAA	60	438-444	439.25	443.75	485
E	18	144-150	145.25	149.75	191	BBB	61	444-450	445.25	449.75	491
F	19	150-156	151.25	155.75	197	CCC	62	450-456	451.25	455.75	497
G	20	156-162	157.25	161.75	203	DDD	63	456-462	457.25	461.75	503
H	21	162-168	163.25	167.75	209	EEE	64	462-468	463.25	467.75	509
I	22	168-174	169.25	173.75	215		65	468-474	469.25	473.75	515
7	7	174-180	175.25	179.75	221		66	474-480	475.25	479.75	521
8	8	180-186	181.25	185.75	227		67	480-486	481.25	485.75	527
9	9	186-192	187.25	191.75	233		68	486-492	487.25	491.75	533
10	10	192-198	193.25	197.75	239		69	492-498	493.25	497.75	539
11	11	198-204	199.25	203.75	245		70	498-504	499.25	503.75	545
12	12	204-210	205.25	209.75	251		71	504-510	505.25	509.75	551
13	13	210-216	211.25	215.75	257		72	510-516	511.25	515.75	557
J	23	216-222	217.25	221.75	263		73	516-522	517.25	521.75	563
K	24	222-228	223.25	227.75	269		74	522-528	523.25	527.75	569
L	25	228-234	229.25	233.75	275		75	528-534	529.25	533.75	575
M	26	234-240	235.25	239.75	281		76	534-540	535.25	539.75	581
N	27	240-246	241.25	245.75	287		77	540-546	541.25	545.75	587
O	28	246-252	247.25	251.75	293		78	546-552	547.25	551.75	593
P	29	252-258	253.25	257.75	299		79	552-558	553.25	557.75	599
Q	30	258-264	259.25	263.75	305		80	558-564	559.25	563.75	605
R	31	264-270	265.25	269.75	311		81	564-570	565.25	569.75	611
S	32	270-276	271.25	275.75	317		82	570-576	571.25	575.75	617
T	33	276-282	277.25	281.75	323		83	576-582	577.25	581.75	623
U	34	282-288	283.25	287.75	329		84	582-588	583.25	587.75	629
V	35	288-294	289.25	293.75	335		85	588-594	589.25	593.75	635
W	36	294-300	295.25	299.75	341		86	594-600	595.25	599.75	641
AA	37	300-306	301.25	305.75	347		87	600-606	601.25	605.75	647
BB	38	306-312	307.25	311.75	353		88	606-612	607.25	611.75	653
CC	39	312-318	313.25	317.75	359		89	612-618	613.25	617.75	659
DD	40	318-324	319.25	323.75	365		90	618-624	619.25	623.75	665
EE	41	324-330	325.25	329.75	371		91	624-630	625.25	629.75	671
FF	42	330-336	331.25	335.75	377		92	630-636	631.25	635.75	677
GG	43	336-342	337.25	341.75	383		93	636-642	637.25	641.75	683
HH	44	342-348	343.25	347.75	389		94	642-648	643.25	647.75	689
II	45	348-354	349.25	353.75	395						

**EUROPE (C.C.I.R) Channel**

(VIF:38.9MHz , SIF:33.4MHz )

**TV Frequency Table**

(UNIT: MHz )

CH	Frequency Range	Picture fp	Sound fs	Oscillation f osc	CH	Frequency Range	Picture fp	Sound fs	Oscillation f osc
2	47-54	48.25	53.75	87.15	40	622-630	623.25	628.75	662.15
3	54-61	55.25	60.75	94.15	41	630-638	631.25	636.75	670.15
4	61-68	62.25	67.75	101.15	42	638-646	639.25	644.75	678.15
5	174-181	175.25	180.75	214.15	43	646-654	647.25	652.75	686.15
6	181-188	182.25	187.75	221.15	44	654-662	655.25	660.75	694.15
7	188-195	189.25	194.75	228.15	45	662-670	663.25	668.75	702.15
8	195-202	196.25	201.75	235.15	46	670-678	671.25	676.75	710.15
9	202-209	203.25	208.75	242.15	47	678-686	679.25	684.75	718.15
10	209-216	210.25	215.75	249.15	48	686-694	687.25	692.75	726.15
11	216-223	217.25	222.75	256.15	49	694-702	695.25	700.75	734.15
12	223-230	224.25	229.75	263.15	50	702-710	703.25	708.75	742.15
21	470-478	471.25	476.75	510.15	51	710-718	711.25	716.75	750.15
22	478-486	479.25	484.75	518.15	52	718-726	719.25	724.75	758.15
23	486-494	487.25	492.75	526.15	53	726-734	727.25	732.75	766.15
24	494-502	495.25	500.75	534.15	54	734-742	735.25	740.75	774.15
25	502-510	503.25	508.75	542.15	55	742-750	743.25	748.75	782.15
26	510-518	511.25	516.75	550.15	56	750-758	751.25	756.75	790.15
27	518-526	519.25	524.75	558.15	57	758-766	759.25	764.75	798.15
28	526-534	527.25	532.75	566.15	58	766-774	767.25	772.75	806.15
29	534-542	535.25	540.75	574.15	59	774-782	775.25	780.75	814.15
30	542-550	543.25	548.75	582.15	60	782-790	783.25	788.75	822.15
31	550-558	551.25	556.75	590.15	61	790-798	791.25	796.75	830.15
32	558-566	559.25	564.75	598.15	62	798-806	799.25	804.75	838.15
33	566-574	567.25	572.75	606.15	63	806-814	807.25	812.75	846.15
34	574-582	575.25	580.75	614.15	64	814-822	815.25	820.75	854.15
35	582-590	583.25	588.75	622.15	65	822-830	823.25	828.75	862.15
36	590-598	591.25	596.75	630.15	66	830-838	831.25	836.75	870.15
37	598-606	599.25	604.75	638.15	67	838-846	839.25	844.75	878.15
38	606-614	607.25	612.75	646.15	68	846-854	847.25	852.75	886.15
39	614-622	615.25	620.75	654.15	69	854-862	855.25	860.75	894.15

Version : 1.0

**EUROPE (CATV Band ) Channel**

**TV Frequency Table**

(VIF:38.9MHz , SIF:33.4MHz )

(UNIT: MHz )

CH		Frequency Range	Picture fp	Sound fs	Oscillation f osc	CH		Frequency Range	Picture fp	Sound fs	Oscillation f osc
C2	E2	47-54	48.25	53.75	87.15	S21	U11	302-310	303.25	308.75	342.15
C3	E3	54-61	55.25	60.75	94.15	S22	U12	310-318	311.25	316.75	350.15
C4	E4	61-68	62.25	67.75	101.15	S23	U13	318-326	319.25	324.75	358.15
X	S1	68-75	69.25	74.75	108.15	S24	U14	326-334	327.25	332.75	366.15
Y	S2	75-82	76.25	81.75	115.15	S25	U15	334-342	335.25	340.75	374.15
Z	S3	82-89	83.25	88.75	122.15	S26	U16	342-350	343.25	348.75	382.15
Z+1		89-96	90.25	95.75	129.15	S27	U17	350-358	351.25	356.75	390.15
Z+2		96-103	97.25	102.75	136.15	S28	U18	358-366	359.25	364.75	398.15
S1	M1	104-111	105.25	110.75	144.15	S29	U19	366-374	367.25	372.75	406.15
S2	M2	111-118	112.25	117.75	151.15	S30	U20	374-382	375.25	380.75	414.15
S3	M3	118-125	119.25	124.75	158.15	S31	U21	382-390	383.25	388.75	422.15
S4	M4	125-132	126.25	131.75	165.15	S32	U22	390-398	391.25	396.75	430.15
S5	M5	132-139	133.25	138.75	172.15	S33	U23	398-406	399.25	404.75	438.15
S6	M6	139-146	140.25	145.75	179.15	S34	U24	406-414	407.25	412.75	446.15
S7	M7	146-153	147.25	152.75	186.15	S35	U25	414-422	415.25	420.75	454.15
S8	M8	153-160	154.25	159.75	193.15	S36	U26	422-430	423.25	428.75	462.15
S9	M9	160-167	161.25	166.75	200.15	S37	U27	430-438	431.25	436.75	470.15
S10	M10	167-174	168.25	173.75	207.15	S38	U28	438-446	439.25	444.75	478.15
C5	E5	174-181	175.25	180.75	214.15	S39	U29	446-454	447.25	452.75	486.15
C6	E6	181-188	182.25	187.75	221.15	S40	U30	454-462	455.25	460.75	494.15
C7	E7	188-195	189.25	194.75	228.15	S41	U31	462-470	463.25	468.75	502.15
C8	E8	195-202	196.25	201.75	235.15						
C9	E9	202-209	203.25	208.75	242.15						
C10	E10	209-216	210.25	215.75	249.15						
C11	E11	216-223	217.25	222.75	256.15						
C12	E12	223-230	224.25	229.75	263.15						
S11	U1	230-237	231.25	236.75	270.15						
S12	U2	237-244	238.25	243.75	277.15						
S13	U3	244-251	245.25	250.75	284.15						
S14	U4	251-258	252.25	257.75	291.15						
S15	U5	258-265	259.25	264.75	298.15						
S16	U6	265-272	266.25	271.75	305.15						
S17	U7	272-279	273.25	278.75	312.15						
S18	U8	279-286	280.25	285.75	319.15						
S19	U9	286-293	287.25	292.75	326.15						
S20	U10	293-300	294.25	299.75	333.15						

Version : 1.1

**CHINA Channel**

(VIF:38.0MHz , SIF:31.5MHz )

**TV Frequency Table**

(UNIT: MHz )

CH	Frequency Range	Picture fp	Sound fs	Oscillation f osc	CH	Frequency Range	Picture fp	Sound fs	Oscillation f osc
1	48.5-56.5	49.25	56.75	87.25	30	646-654	647.25	653.75	685.25
2	56.5-64.5	57.25	64.75	95.25	31	654-662	655.25	661.75	693.25
3	64.5-72.5	65.25	72.75	103.25	32	662-670	663.25	669.75	701.25
4	76-84	77.25	83.75	115.25	33	670-678	671.25	677.75	709.25
5	84-92	85.25	91.75	123.25	34	678-686	679.25	685.75	717.25
6	167-175	168.25	174.75	206.25	35	686-694	687.25	693.75	725.25
7	175-183	176.25	182.75	214.25	36	694-702	695.25	701.75	733.25
8	183-191	184.25	190.75	222.25	37	702-710	703.25	709.75	741.25
9	191-199	192.25	198.75	230.25	38	710-718	711.25	717.75	749.25
10	199-207	200.25	206.75	238.25	39	718-726	719.25	725.75	757.25
11	207-215	208.25	214.75	246.25	40	726-734	727.25	733.75	765.25
12	215-223	216.25	222.75	254.25	41	734-742	735.25	741.75	773.25
13	470-478	471.25	477.75	509.25	42	742-750	743.25	749.75	781.25
14	478-486	479.25	485.75	517.25	43	750-758	751.25	757.75	789.25
15	486-494	487.25	493.75	525.25	44	758-766	759.25	765.75	797.25
16	494-502	495.25	501.75	533.25	45	766-774	767.25	773.75	805.25
17	502-510	503.25	509.75	541.25	46	774-782	775.25	781.75	813.25
18	510-518	511.25	517.75	549.25	47	782-790	783.25	789.75	821.25
19	518-526	519.25	525.75	557.25	48	790-798	791.25	797.75	829.25
20	526-534	527.25	533.75	565.25	49	798-806	799.25	805.75	837.25
21	534-542	535.25	541.75	573.25	50	806-814	807.25	813.75	845.25
22	542-550	543.25	549.75	581.25	51	814-822	815.25	821.75	853.25
23	550-558	551.25	557.75	589.25	52	822-830	823.25	829.75	861.25
24	558-566	559.25	565.75	597.25	53	830-838	831.25	837.75	869.25
25	606-614	607.25	613.75	645.25	54	838-846	839.25	845.75	877.25
26	614-622	615.25	621.75	653.25	55	846-854	847.25	853.75	885.25
27	622-630	623.25	629.75	661.25	56	854-862	855.25	861.75	893.25
28	630-638	631.25	637.75	669.25	57	862-870	863.25	869.75	901.25
29	638-646	639.25	645.75	677.25					

Version : 1.0

**TV Broadcasting System**

<b>System</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>G</b>	<b>H</b>
Number of Lines	405	625	625	625	625	625
Channel Width (MHz)	5	7	7	8	8	8
Vision / Sound Speration (MHz)	+3.5	+5.5	+5.5	+6.5	+5.5	+5.5
Vision Bandwidth (MHz)	3	5	5	5	5	5
Vision Side-band (MHz)	0.75	0.75	0.75	0.75	0.75	1.25
Vision Modulation	Pos.	Neg.	Neg.	Neg.	Neg.	Neg.
Sound Modulation	AM	FM	AM	FM	FM	FM

<b>System</b>	<b>I</b>	<b>K</b>	<b>K1</b>	<b>L</b>	<b>M</b>	<b>N</b>
Number of Lines	625	625	625	625	525	625
Channel Width (MHz)	8	8	8	8	6	6
Vision / Sound Speration (MHz)	+6	+6.5	+6.5	+6.5	+4.5	+4.5
Vision Bandwidth (MHz)	5.5	6	6	6	4.2	4.2
Vision Side-band (MHz)	1.25	0.75	1.25	1.25	0.75	0.75
Vision Modulation	Neg.	Neg.	Neg.	Pos.	Neg.	Neg.
Sound Modulation	FM	FM	FM	AM	FM	FM

Version : 1.0