



# 7-Series Frequency Chart

2.14.11.2

## Models ACT-717a, 727a, 747a

All Receivers cover one of 3 Bands of 72MHz each; total 216MHz (TV Channels 16 ~ 51)

<b>5UA</b> 482~554MHz (TV Channels 16~27)	<b>5US</b> 554~626MHz (TV Channels 28~39)	<b>6UA</b> 626~698MHz (TV Channels 40~51)
--	--	--

ACT-7Ha & 7Ta Transmitters cover one of 2 Sub-Bands per Band, 36MHz each

ACT-71Ha & 71Ta Premium Transmitters cover both Sub-Bands in each Band, 72MHz each

<b>5UA1</b> 482~518MHz (TV Channels 16~21)	<b>5UA2</b> 518~554MHz (TV Channels 22~27)	<b>5US1</b> 554~590MHz (TV Channels 28~33)	<b>5US2</b> 590~626MHz* (TV Channels 34~39)	<b>6UA1</b> 626~662MHz (TV Channels 40~45)	<b>6UA2</b> 662~698MHz (TV Channels 46~51)
--	--	--	---	--	--

Transmitters identified with a "1" cover frequencies with white backgrounds in charts below.	Group 16 presets cover the full range of each frequency band and are adjustable in .025MHz increments at the receiver.*	<b>NOTE:</b> When multiple wireless systems are in use at the same time, it is recommended to position the transmitter and receiver a minimum of 16' (5 meters) distance from each other for optimum reception.
Transmitters identified with a "2" cover frequencies with a blue background in charts below.		

\* The FCC Grants of Equipment Authorization are clearly limited to frequency ranges 482.1 to 607.9 MHz and 614.1 to 697.9 MHz. The excluded range, 608.000 through 614,000 MHz, known as television channel 37, is reserved in North America for radio astronomy and for medical telemetry equipment. It is not available for use in wireless microphone devices. These frequencies fall within the 5US2 transmitter range and are indicated in the charts below with a red background. Although listed here, they have been disabled for use in the U.S.

## 5UA WideBand Frequency Chart for ACT-717a/ 727a/ 747a

ACT-7 Series, 5UA ( 482~554MHz; TV Channels 16~27 )

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	482.275	482.525	482.775	483.025	483.275	483.525	483.775	484.025	482.925	483.575	482.050	482.125	482.200	482.275	482.350	U1
TV	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
2	482.775	483.025	483.275	483.525	483.775	484.025	484.275	484.525	483.425	484.075	482.575	482.650	482.725	482.800	482.875	U2
V	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
3	484.425	484.675	484.925	485.175	485.425	485.675	485.925	486.175	485.075	485.725	484.150	484.225	484.300	484.375	484.450	U3
V	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
4	488.200	488.450	488.700	488.950	489.200	489.450	489.700	489.950	488.850	489.500	484.550	484.625	484.700	484.775	484.850	U4
TV	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	
5	492.700	492.950	493.200	493.450	493.700	493.950	494.200	494.450	493.350	494.000	485.300	485.375	485.450	485.525	485.600	U5
TV	17	17	17	17	17	17	18	18	17	17	16	16	16	16	16	
6	498.325	498.575	498.825	499.075	499.325	499.575	499.825	500.075	498.975	499.625	486.750	486.825	486.900	486.975	487.050	U6
TV	18	18	18	18	18	18	18	19	18	18	16	16	16	16	16	
7	500.675	500.925	501.175	501.425	501.675	501.925	502.175	502.425	501.325	501.975	487.725	487.800	487.875	487.950	488.025	U7
TV	19	19	19	19	19	19	19	19	19	19	17	16	16	16	17	
8	507.700	507.950	508.200	508.450	508.700	508.950	509.200	509.450	508.350	509.000	490.600	490.675	490.750	490.825	490.900	U8
TV	20	20	20	20	20	20	20	20	20	20	17	17	17	17	17	
9	521.300	521.550	521.800	522.050	522.300	522.550	522.800	523.050	521.950	522.600	491.700	491.775	491.850	491.925	492.000	U9
TV	22	22	22	22	22	22	22	22	22	22	17	17	17	17	17	
10	539.400	539.650	539.900	540.150	540.400	540.650	540.900	541.150	540.050	540.700	492.150	492.225	492.300	492.375	492.450	U10
TV	25	25	25	25	25	25	25	25	25	25	17	17	17	17	17	
11	542.450	542.700	542.950	543.200	543.450	543.700	543.950	544.200	543.100	543.750	493.175	493.250	493.325	493.400	493.475	U11
TV	26	26	26	26	26	26	26	26	26	26	17	17	17	17	17	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12	543.400	543.650	543.900	544.150	544.400	544.650	544.900	545.150	544.050	544.700	495.100	495.175	495.250	495.325	495.400	U12
TV	26	26	26	26	26	26	26	26	26	26	18	18	18	18	18	
13	546.025	546.275	546.525	546.775	547.025	547.275	547.525	547.775	546.675	547.325	496.150	496.225	496.300	496.375	496.450	U13
TV	26	26	26	26	26	26	26	26	26	26	18	18	18	18	18	
14	550.225	550.475	550.725	550.975	551.225	551.475	551.725	551.975	550.875	551.525	497.850	497.925	498.000	498.075	498.150	U14
TV	27	27	27	27	27	27	27	27	27	27	18	18	18	18	18	
15	550.975	551.225	551.475	551.725	551.975	552.225	552.475	552.725	551.625	552.275	506.625	506.700	506.775	506.850	506.925	U15
TV	27	27	27	27	27	27	27	27	27	27	20	20	20	20	20	
16	552.175	552.425	552.675	552.925	553.175	553.425	553.675	553.925	552.825	553.475	509.150	509.225	509.300	509.375	509.450	U16
TV	27	27	27	27	27	27	27	27	27	27	20	20	20	20	20	
17											509.750	509.825	509.900	509.975	510.050	
TV											20	20	20	20	20	
18											510.700	510.775	510.850	510.925	511.000	
TV											20	20	20	20	20	
19											511.450	511.525	511.600	511.675	511.750	
TV											20	20	20	20	20	
20											511.900	511.975	512.050	512.125	512.200	
TV											20	20	21	21	21	
21											513.550	513.625	513.700	513.775	513.850	
TV											21	21	21	21	21	
22											514.325	514.400	514.475	514.550	514.625	
TV											21	21	21	21	21	
23											516.075	516.150	516.225	516.300	516.375	
TV											21	21	21	21	21	
24											516.500	516.575	516.650	516.725	516.800	
TV											21	21	21	21	21	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25											518.375	518.450	518.525	518.600	518.675	
TV											22	22	22	22	22	
26											519.750	519.825	519.900	519.975	520.050	
TV											22	22	22	22	22	
27											523.725	523.800	523.875	523.950	524.025	
TV											22	22	22	22	23	
28											524.450	524.525	524.600	524.675	524.750	
TV											23	23	23	23	23	
29											525.725	525.800	525.875	525.950	526.025	
TV											23	23	23	23	23	
30											526.400	526.475	526.550	526.625	526.700	
TV											23	23	23	23	23	
31											527.350	527.425	527.500	527.575	527.650	
TV											23	23	23	23	23	
32											529.475	529.550	529.625	529.700	529.775	
TV											23	23	23	23	23	
33											532.025	532.100	532.175	532.250	532.325	
TV											24	24	24	24	24	
34											536.925	537.000	537.075	537.150	537.225	
TV											25	25	25	25	25	
35											537.375	537.450	537.525	537.600	537.675	
TV											25	25	25	25	25	
36											540.125	540.200	540.275	540.350	540.425	
TV											25	25	25	25	25	
37											540.925	541.000	541.075	541.150	541.225	
TV											25	25	25	25	25	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
38											542.225	542.300	542.375	542.450	542.525	
TV											26	26	26	26	26	
39											543.075	543.150	543.225	543.300	543.375	
TV											26	26	26	26	26	
40											544.700	544.775	544.850	544.925	545.000	
TV											26	26	26	26	26	
41											545.700	545.775	545.850	545.925	546.000	
TV											26	26	26	26	26	
42											549.550	549.625	549.700	549.775	549.850	
TV											27	27	27	27	27	
43											550.150	550.225	550.300	550.375	550.450	
TV											27	27	27	27	27	
44											551.075	551.150	551.225	551.300	551.375	
TV											27	27	27	27	27	
45											551.725	551.800	551.875	551.950	552.025	
TV											27	27	27	27	27	
46											551.975	552.050	552.125	552.200	552.275	
TV											27	27	27	27	27	
47											553.100	553.175	553.250	553.325	553.400	
TV											27	27	27	27	27	
48											553.650	553.725	553.800	553.875	553.950	
TV											27	27	27	27	27	

# 5US WideBand Frequency Chart for ACT-717a/ 727a/ 747a

**ACT-7 Series, 5US (554 ~ 626MHz, TV Channels 28~39)**

\* The FCC Grants of Equipment Authorization are limited to frequency ranges 482.1 to 607.9 MHz & 614.1 to 697.9 MHz.

The excluded range, 608.000 to 614,000 MHz, television channel 37, is reserved in North America for radio astronomy and medical telemetry equipment. It is not available for use in wireless microphone devices.

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	554.275	554.525	554.775	555.025	555.275	555.525	555.775	556.025	554.925	555.575	554.050	554.125	554.200	554.275	554.350	U1
TV	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
2	554.775	555.025	555.275	555.525	555.775	556.025	556.275	556.525	555.425	556.075	554.575	554.650	554.725	554.800	554.875	U2
TV	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
3	556.425	556.675	556.925	557.175	557.425	557.675	557.925	558.175	557.075	557.725	556.150	556.225	556.300	556.375	556.450	U3
TV	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
4	560.200	560.450	560.700	560.950	561.200	561.450	561.700	561.950	560.850	561.500	556.550	556.625	556.700	556.775	556.850	U4
TV	29	29	29	29	29	29	29	29	29	29	28	28	28	28	28	
5	564.700	564.950	565.200	565.450	565.700	565.950	566.200	566.450	565.350	566.000	557.300	557.375	557.450	557.525	557.600	U5
TV	29	29	29	29	29	29	30	30	30	29	28	28	28	28	28	
6	570.325	570.575	570.825	571.075	571.325	571.575	571.825	572.075	570.975	571.625	558.750	558.825	558.900	558.975	559.050	U6
TV	30	30	30	30	30	30	30	31	30	30	28	28	28	28	28	
7	572.675	572.925	573.175	573.425	573.675	573.925	574.175	574.425	573.325	573.975	559.725	559.800	559.875	559.950	560.025	U7
TV	31	31	31	31	31	31	31	31	31	31	28	28	28	28	29	
8	579.700	579.950	580.200	580.450	580.700	580.950	581.200	581.450	580.350	581.000	562.600	562.675	562.750	562.825	562.900	U8
TV	32	32	32	32	32	32	32	32	32	32	29	29	29	29	29	
9	593.300	593.550	593.800	594.050	594.300	594.550	594.800	595.050	593.950	594.600	563.700	563.775	563.850	563.925	564.000	U9
TV	34	34	34	34	34	34	34	34	34	34	29	29	29	29	29	
10	602.550	604.375	603.850	602.175	603.475	604.075	603.775	607.025	602.075	603.825	564.150	564.225	564.300	564.375	564.450	U10
TV	36	36	36	36	36	36	36	36	36	36	29	29	29	29	29	
11	614.450	614.700	614.950	615.200	615.450	615.700	615.950	616.200	615.100	615.750	565.175	565.250	565.325	565.400	565.475	U11
TV	38	38	38	38	38	38	38	38	38	38	29	29	29	29	29	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12	615.400	615.650	615.900	616.150	616.400	616.650	616.900	617.150	616.050	616.700	567.100	567.175	567.250	567.325	567.400	U12
TV	38	38	38	38	38	38	38	38	38	38	30	30	30	30	30	
13	618.025	618.275	618.525	618.775	619.025	619.275	619.525	619.775	618.675	619.325	568.150	568.225	568.300	568.375	568.450	U13
TV	38	38	38	38	38	38	38	38	38	38	30	30	30	30	30	
14	622.225	622.475	622.725	622.975	623.225	623.475	623.725	623.975	622.875	623.525	569.850	569.925	570.000	570.075	570.150	U14
TV	39	39	39	39	39	39	39	39	39	39	30	30	30	30	30	
15	622.975	623.225	623.475	623.725	623.975	624.225	624.475	624.725	623.625	624.275	578.625	578.700	578.775	578.850	578.925	U15
TV	39	39	39	39	39	39	39	39	39	39	32	32	32	32	32	
16	624.175	624.425	624.675	624.925	625.175	625.425	625.675	625.925	624.825	625.475	581.150	581.225	581.300	581.375	581.450	U16
TV	39	39	39	39	39	39	39	39	39	39	32	32	32	32	32	
17											581.750	581.825	581.900	581.975	582.050	
TV											32	32	32	32	32	
18											582.700	582.775	582.850	582.925	583.000	
TV											32	32	32	32	32	
19											583.450	583.525	583.600	583.675	583.750	
TV											32	32	32	32	32	
20											583.900	583.975	584.050	584.125	584.200	
TV											32	32	33	33	33	
21											585.550	585.625	585.700	585.775	585.850	
TV											33	33	33	33	33	
22											586.325	586.400	586.475	586.550	586.625	
TV											33	33	33	33	33	
23											588.075	588.150	588.225	588.300	588.375	
TV											33	33	33	33	33	
24											588.500	588.575	588.650	588.725	588.800	
TV											33	33	33	33	33	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25											590.375	590.450	590.525	590.600	590.675	
TV											34	34	34	34	34	
26											591.750	591.825	591.900	591.975	592.050	
TV											34	34	34	34	34	
27											595.725	595.800	595.875	595.950	596.025	
TV											34	34	34	34	35	
28											596.450	596.525	596.600	596.675	596.750	
TV											35	35	35	35	35	
29											597.725	597.800	597.875	597.950	598.025	
TV											35	35	35	35	35	
30											598.400	598.475	598.550	598.625	598.700	
TV											35	35	35	35	35	
31											599.350	599.425	599.500	599.575	599.650	
TV											35	35	35	35	35	
32											601.475	601.550	601.625	601.700	601.775	
TV											35	35	35	35	35	
33											604.025	604.100	604.175	604.250	604.325	
TV											36	36	36	36	36	
34											608.925	609.000	609.075	609.150	609.225	
TV											37	37	37	37	37	
35											609.375	609.450	609.525	609.600	609.675	
TV											37	37	37	37	37	
36											612.125	612.200	612.275	612.350	612.425	
TV											37	37	37	37	37	
37											612.925	613.000	613.075	613.150	613.225	
TV											37	37	37	37	37	

\* The FCC Grants of Equipment Authorization are limited to frequency ranges 482.1 to 607.9 MHz & 614.1 to 697.9 MHz. The excluded range, 608.000 to 614.000 MHz, television channel 37, is reserved in North America for radio astronomy and medical telemetry equipment. It is not available for use in wireless microphone devices and therefore the frequencies listed to the right have been disabled in the ACT-7 Series Systems and cannot be programmed.



Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
38											614.225	614.300	614.375	614.450	614.525	
TV											38	38	38	38	38	
39											615.075	615.150	615.225	615.300	615.375	
TV											38	38	38	38	38	
40											616.700	616.775	616.850	616.925	617.000	
TV											38	38	38	38	38	
41											617.700	617.775	617.850	617.925	618.000	
TV											38	38	38	38	38	
42											621.550	621.625	621.700	621.775	621.850	
TV											39	39	39	39	39	
43											622.150	622.225	622.300	622.375	622.450	
TV											39	39	39	39	39	
44											623.075	623.150	623.225	623.300	623.375	
TV											39	39	39	39	39	
45											623.725	623.800	623.875	623.950	624.025	
TV											39	39	39	39	39	
46											623.975	624.050	624.125	624.200	624.275	
TV											39	39	39	39	39	
47											625.100	625.175	625.250	625.325	625.400	
TV											39	39	39	39	39	
48											625.650	625.725	625.800	625.875	625.950	
TV											39	39	39	39	39	

## 6UA WideBand Frequency Chart for ACT-717a/ 727a/ 747a

ACT-7 Series, 6UA (626~698MHz, TV Channels 40~51)

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	626.275	626.525	626.775	627.025	627.275	627.525	627.775	628.025	626.925	627.575	626.050	626.125	626.200	626.275	626.350	U1
TV	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
2	626.775	627.025	627.275	627.525	627.775	628.025	628.275	628.525	627.425	628.075	626.575	626.650	626.725	626.800	626.875	U2
TV	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
3	628.425	628.675	628.925	629.175	629.425	629.675	629.925	630.175	629.075	629.725	628.150	628.225	628.300	628.375	628.450	U3
TV	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
4	632.200	632.450	632.700	632.950	633.200	633.450	633.700	633.950	632.850	633.500	628.550	628.625	628.700	628.775	628.850	U4
TV	41	41	41	41	41	41	41	41	41	41	40	40	40	40	40	
5	636.700	636.950	637.200	637.450	637.700	637.950	638.200	638.450	637.350	638.000	629.300	629.375	629.450	629.525	629.600	U5
TV	41	41	41	41	41	41	42	42	41	41	40	40	40	40	40	
6	642.325	642.575	642.825	643.075	643.325	643.575	643.825	644.075	642.975	643.625	630.750	630.825	630.900	630.975	631.050	U6
TV	42	42	42	42	42	42	42	43	42	42	40	40	40	40	40	
7	644.675	644.925	645.175	645.425	645.675	645.925	646.175	646.425	645.325	645.975	631.725	631.800	631.875	631.950	632.025	U7
TV	43	43	43	43	43	43	43	43	43	43	40	40	40	40	41	
8	651.700	651.950	652.200	652.450	652.700	652.950	653.200	653.450	652.350	653.000	634.600	634.675	634.750	634.825	634.900	U8
TV	44	44	44	44	44	44	44	44	44	44	41	41	41	41	41	
9	665.300	665.550	665.800	666.050	666.300	666.550	666.800	667.050	665.950	666.600	635.700	635.775	635.850	635.925	636.000	U9
TV	46	46	46	46	46	46	46	46	46	46	41	41	41	41	41	
10	683.400	683.650	683.900	684.150	684.400	684.650	684.900	685.150	684.050	684.700	636.150	636.225	636.300	636.375	636.450	U10
TV	49	49	49	49	49	49	49	49	49	49	41	41	41	41	41	
11	686.450	686.700	686.950	687.200	687.450	687.700	687.950	688.200	687.100	687.750	637.175	637.250	637.325	637.400	637.475	U11
TV	50	50	50	50	50	50	50	50	50	50	41	41	41	41	41	
12	687.400	687.650	687.900	688.150	688.400	688.650	688.900	689.150	688.050	688.700	639.100	639.175	639.250	639.325	639.400	U12
TV	50	50	50	50	50	50	50	50	50	50	42	42	42	42	42	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
13	690.025	690.275	690.525	690.775	691.025	691.275	691.525	691.775	690.675	691.325	640.150	640.225	640.300	640.375	640.450	U13
TV	50	50	50	50	50	50	50	50	50	50	42	42	42	42	42	
14	694.225	694.475	694.725	694.975	695.225	695.475	695.725	695.975	694.875	695.525	641.850	641.925	642.000	642.075	642.150	U14
TV	51	51	51	51	51	51	51	51	51	51	42	42	42	42	42	
15	694.975	695.225	695.475	695.725	695.975	696.225	696.475	696.725	695.625	696.275	650.625	650.700	650.775	650.850	650.925	U15
TV	51	51	51	51	51	51	51	51	51	51	44	44	44	44	44	
16	696.175	696.425	696.675	696.925	697.175	697.425	697.675	697.925	696.825	697.475	653.150	653.225	653.300	653.375	653.450	U16
TV	51	51	51	51	51	51	51	51	51	51	44	44	44	44	44	
17											653.750	653.825	653.900	653.975	654.050	
TV											44	44	44	44	44	
18											654.700	654.775	654.850	654.925	655.000	
TV											44	44	44	44	44	
19											655.450	655.525	655.600	655.675	655.750	
TV											44	44	44	44	44	
20											655.900	655.975	656.050	656.125	656.200	
TV											44	44	45	45	45	
21											657.550	657.625	657.700	657.775	657.850	
TV											45	45	45	45	45	
22											658.325	658.400	658.475	658.550	658.625	
TV											45	45	45	45	45	
23											660.075	660.150	660.225	660.300	660.375	
TV											45	45	45	45	45	
24											660.500	660.575	660.650	660.725	660.800	
TV											45	45	45	45	45	
25											662.375	662.450	662.525	662.600	662.675	
TV											46	46	46	46	46	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
26											663.750	663.825	663.900	663.975	664.050	
TV											46	46	46	46	46	
27											667.725	667.800	667.875	667.950	668.025	
TV											46	46	46	46	47	
28											668.450	668.525	668.600	668.675	668.750	
TV											47	47	47	47	47	
29											669.725	669.800	669.875	669.950	670.025	
TV											47	47	47	47	47	
30											670.400	670.475	670.550	670.625	670.700	
TV											47	47	47	47	47	
31											671.350	671.425	671.500	671.575	671.650	
TV											47	47	47	47	47	
32											673.475	673.550	673.625	673.700	673.775	
TV											47	47	47	47	47	
33											676.025	676.100	676.175	676.250	676.325	
TV											48	48	48	48	48	
34											680.925	681.000	681.075	681.150	681.225	
TV											49	49	49	49	49	
35											681.375	681.450	681.525	681.600	681.675	
TV											49	49	49	49	49	
36											684.125	684.200	684.275	684.350	684.425	
TV											49	49	49	49	49	
37											684.925	685.000	685.075	685.150	685.225	
TV											49	49	49	49	49	
38											686.225	686.300	686.375	686.450	686.525	
TV											50	50	50	50	50	

Group Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
39											687.075	687.150	687.225	687.300	687.375	
TV											50	50	50	50	50	
40											688.700	688.775	688.850	688.925	689.000	
TV											50	50	50	50	50	
41											689.700	689.775	689.850	689.925	690.000	
TV											50	50	50	50	50	
42											693.550	693.625	693.700	693.775	693.850	
TV											51	51	51	51	51	
43											694.150	694.225	694.300	694.375	694.450	
TV											51	51	51	51	51	
44											695.075	695.150	695.225	695.300	695.375	
TV											51	51	51	51	51	
45											695.725	695.800	695.875	695.950	696.025	
TV											51	51	51	51	51	
46											695.975	696.050	696.125	696.200	696.275	
TV											51	51	51	51	51	
47											697.100	697.175	697.250	697.325	697.400	
TV											51	51	51	51	51	
48											697.650	697.725	697.800	697.875	697.950	
TV											51	51	51	51	51	