

ACT-707F/MC & ACT-707D Systems

Non-Interference Frequency List

Frequency Code: **ACTB-U632B / ACTC-U632B**

Frequency Range: **620~644 MHz**

**VERSION: 3**

**GROUP 6A**

Group Channel	1 TV CH	2 TV CH	3 TV CH	4 TV CH	5 TV CH	6 TV CH	7 TV CH	8 TV CH	9 TV CH
1	621.275	621.525	621.775	622.025	621.525	621.725	624.400	624.525	624.000
	39	39	39	39	39	39	39	39	39
2	622.075	622.325	622.575	622.825	622.050	622.250	626.000	626.125	632.000
	39	39	39	39	39	39	39	39	40/41
3	628.400	628.650	628.900	629.150	623.025	623.225	627.175	627.300	640.000
	40	40	40	40	39	39	40	40	42
4	633.225	633.475	633.725	633.975	623.450	623.650	628.950	629.075	
	41	41	41	41	39	39	40	40	
5	636.800	637.050	637.300	637.550	626.150	626.350	629.425	629.550	
	41	41	41	41	40	40	40	40	
6	639.125	639.375	639.625	639.875	626.675	626.875	630.500	630.625	
	42	42	42	42	40	40	40	40	
7	640.900	641.150	641.400	641.650	627.725	627.925	631.225	631.350	
	42	42	42	42	40	40	40	40	
8	642.125	642.375	642.625	642.875	628.175	628.375	632.275	632.400	
	42	42	42	42	40	40	41	41	
9					635.675	635.875	632.550	632.675	
					41	41	41	41	
10					636.100	636.300	635.950	636.075	
					41	41	41	41	
11					637.275	637.475	636.925	637.050	
					41	41	41	41	
12					637.825	638.025	637.175	637.300	
					41	42	41	41	
13					640.400	640.600	637.625	637.750	
					42	42	41	41	
14					640.925	641.125	638.900	639.025	
					42	42	42	42	
15					642.050	642.250	640.375	640.500	
					42	42	42	42	
16					642.475	642.675	641.100	641.225	
					42	42	42	42	
	SPACE 0.25MHz				SPACE 0.2MHz		SPACE 0.125MHz		Test

\*\*\*\* Remarks:

- \_ Test Frequencies: (Low): 91→(624.000MHz), (Center): 92→(632.000MHz), (High): 93→(640.000MHz)
- \_ Interference might occur among groups. To reach interference-free operation, please use frequencies in the **same** group (ex. Group 1 only, Group 2 only, etc.)
- \_ If interference occurs while using same group, please use another group for ALL receivers.
- \_ Group 9 is for testing purposes. Please do not use the 3 channels simultaneously.

**8 channel non-interference operation:**

Each group has 8 non-interference channels from Group 2 to Group 4. When microphones are at least **3 meters** away from receivers, non-interference operation can be achieved.

**16 channel non-interference operation:**

Each group has 16 non-interference channels from Group 5 to Group 8. When microphones are at least **5 meters** away from receivers, non-interference operation can be achieved.

**32 channel non-interference operation:**

**Group 7** or **Group 8** of different bands (same color in **BLUE** or **RED**) can be combined as 32 non-interference channels. When microphones are at least **8 meters** away from receivers,

ACT-707F/MC & ACT-707D Systems

Non-Interference Frequency List

Frequency Code: **ACTB-U656B / ACTC-U656B**

Frequency Range: **644~668 MHz**

**VERSION: 3**

**GROUP 6B**

Group Channel	1 TV CH	2 TV CH	3 TV CH	4 TV CH	5 TV CH	6 TV CH	7 TV CH	8 TV CH	9 TV CH
1	645.275	645.525	645.775	646.025	645.525	645.725	648.400	648.525	648.000
	43	43	43	43	43	43	43	43	43
2	646.075	646.325	646.575	646.825	646.050	646.250	650.000	650.125	656.000
	43	43	43	43	43	43	43	43	44/45
3	652.400	652.650	652.900	653.150	647.025	647.225	651.175	651.300	664.000
	44	44	44	44	43	43	44	44	46
4	657.225	657.475	657.725	657.975	647.450	647.650	652.950	653.075	
	45	45	45	45	43	43	44	44	
5	660.800	661.050	661.300	661.550	650.150	650.350	653.425	653.550	
	45	45	45	45	44	44	44	44	
6	663.125	663.375	663.625	663.875	650.675	650.875	654.500	654.625	
	46	46	46	46	44	44	44	44	
7	664.900	665.150	665.400	665.650	651.725	651.925	655.225	655.350	
	46	46	46	46	44	44	44	44	
8	666.125	666.375	666.625	666.875	652.175	652.375	656.275	656.400	
	46	46	46	46	44	44	45	45	
9					659.675	659.875	656.550	656.675	
					45	45	45	45	
10					660.100	660.300	659.950	660.075	
					45	45	45	45	
11					661.275	661.475	660.925	661.050	
					45	45	45	45	
12					661.825	662.025	661.175	661.300	
					45	46	45	45	
13					664.400	664.600	661.625	661.750	
					46	46	45	45	
14					664.925	665.125	662.900	663.025	
					46	46	46	46	
15					666.050	666.250	664.375	664.500	
					46	46	46	46	
16					666.475	666.675	665.100	665.225	
					46	46	46	46	
	SPACE 0.25MHz				SPACE 0.2MHz		SPACE 0.125MHz		Test

\*\*\*\* Remarks:

- \_ Test Frequencies: (Low): 91→(648.000MHz), (Center): 92→(656.000MHz), (High): 93→(664.000MHz)
- \_ Interference might occur among groups. To reach interference-free operation, please use frequencies in the **same** group (ex. Group 1 only, Group 2 only, etc.)
- \_ If interference occurs while using same group, please use another group for ALL receivers.
- \_ Group 9 is for testing purposes. Please do not use the 3 channels simultaneously.

**8 channel non-interference operation:**

Each group has 8 non-interference channels from Group 2 to Group 4. When microphones are at least **3 meters** away from receivers, non-interference operation can be achieved.

**16 channel non-interference operation:**

Each group has 16 non-interference channels from Group 5 to Group 8. When microphones are at least **5 meters** away from receivers, non-interference operation can be achieved.

**32 channel non-interference operation:**

**Group 7** or **Group 8** of different bands (same color in **BLUE** or **RED**) can be combined as 32 non-interference channels. When microphones are at least **8 meters** away from receivers,

ACT-707F/MC & ACT-707D Systems

Non-Interference Frequency List

Frequency Code: **ACTB-U680B / ACTC-U680B**

Frequency Range: **668~692 MHz**

**VERSION: 3**

**GROUP 6C**

Group Channel	1 TV CH	2 TV CH	3 TV CH	4 TV CH	5 TV CH	6 TV CH	7 TV CH	8 TV CH	9 TV CH
1	669.275	669.525	669.775	670.025	669.525	669.725	672.400	672.525	672.000
	47	47	47	47	47	47	47	47	47
2	670.075	670.325	670.575	670.825	670.050	670.250	674.000	674.125	680.000
	47	47	47	47	47	47	47	47	48/49
3	676.400	676.650	676.900	677.150	671.025	671.225	675.175	673.300	688.000
	48	48	48	48	47	47	48	48	50
4	681.225	681.475	681.725	681.975	671.450	671.650	676.950	677.075	
	49	49	49	49	47	47	48	48	
5	684.800	685.050	685.300	685.550	674.150	674.350	677.425	677.550	
	49	49	49	49	48	48	48	48	
6	687.125	687.375	687.625	687.875	674.675	674.875	678.500	678.625	
	50	50	50	50	48	48	48	48	
7	688.900	689.150	689.400	689.650	675.725	675.925	679.225	679.350	
	50	50	50	50	48	48	48	48	
8	690.125	690.375	690.625	690.875	676.175	676.375	680.275	680.400	
	50	50	50	50	48	48	49	49	
9					683.675	683.875	680.550	680.675	
					49	49	49	49	
10					684.100	684.300	683.950	684.075	
					49	49	49	49	
11					685.275	685.475	684.925	685.050	
					49	49	49	49	
12					685.825	686.025	685.175	685.300	
					49	50	49	49	
13					688.400	688.600	685.625	685.750	
					50	50	49	49	
14					688.925	689.125	686.900	687.025	
					50	50	50	50	
15					690.050	690.250	688.375	688.500	
					50	50	50	50	
16					690.475	690.675	689.100	689.225	
					50	50	50	50	
	SPACE 0.25MHz				SPACE 0.2MHz		SPACE 0.125MHz		Test

\*\*\*\* Remarks:

- \_ Test Frequencies: (Low): 91→(672.000MHz), (Center): 92→(680.000MHz), (High): 93→(688.000MHz)
- \_ Interference might occur among groups. To reach interference-free operation, please use frequencies in the **same** group (ex. Group 1 only, Group 2 only, etc.)
- \_ If interference occurs while using same group, please use another group for ALL receivers.
- \_ Group 9 is for testing purposes. Please do not use the 3 channels simultaneously.

**8 channel non-interference operation:**

Each group has 8 non-interference channels from Group 2 to Group 4. When microphones are at least **3 meters** away from receivers, non-interference operation can be achieved.

**16 channel non-interference operation:**

Each group has 16 non-interference channels from Group 5 to Group 8. When microphones are at least **5 meters** away from receivers, non-interference operation can be achieved.

**32 channel non-interference operation:**

**Group 7** or **Group 8** of different bands (same color in **BLUE** or **RED**) can be combined as 32 non-interference channels. When microphones are at least **8 meters** away from receivers,

# ACT-707SE/DE & MRM-70 Non-interference Frequency List

4/10/2005

Version A

Frequency Code: **6A (ACT-U632A)**

Frequency Range: **(620~644MHz)**

Display	CH 0	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7
TV Channel	CH 39	CH 39	CH 39	CH 39	CH 40	CH 40	CH 40	CH 40
Frequency	635.525	622.050	623.025	623.450	626.150	626.675	627.725	628.175
Display	CH 8	CH 9	CH A	CH B	CH C	CH D	CH E	CH F
TV Channel	CH 41	CH 41	CH 41	CH 41	CH 42	CH 42	CH 42	CH 42
Frequency	635.675	636.100	637.275	637.825	640.400	640.925	642.050	642.475

Test Frequencies:                      **LOW**    **CENTER**    **HIGH**  
CH 0 (621.525MHz)                      CH 7 (628.175MHz)                      CH F (642.475MHz)

**16 Channel Non-interference Operation:** When microphones are at least 16 feet (5 meters) away from the receivers, non-interference operation can be achieved.

Frequency Code: **6B (ACT-U656A)**

Frequency Range: **(644~668MHz)**

Display	CH 0	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7
TV Channel	CH43	CH 43	CH 43	CH 43	CH44	CH 44	CH 44	CH 44
Frequency	645.525	646.050	647.025	647.450	650.150	650.675	651.725	652.175
Display	CH 8	CH 9	CH A	CH B	CH C	CH D	CH E	CH F
TV Channel	CH 45	CH 45	CH 45	CH 45	CH 46	CH 46	CH 46	CH 46
Frequency	659.675	660.100	661.275	661.825	664.400	664.925	666.050	666.475

Test Frequencies:                      **LOW**    **CENTER**    **HIGH**  
CH 0 (645.525MHz)                      CH 7 (652.175MHz)                      CH F (666.475MHz)

**16 Channel Non-interference Operation:** When microphones are at least 16 feet (5 meters) away from the receivers, non-interference operation can be achieved.

Frequency Code: **6C (ACT-U680A)**

Frequency Range: **(668~692MHz)**

Display	CH 0	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7
TV Channel	CH 47	CH 47	CH 47	CH 47	CH 48	CH 48	CH 48	CH 48
Frequency	669.525	670.050	671.025	671.450	674.150	674.675	675.725	676.175
Display	CH 8	CH 9	CH A	CH B	CH C	CH D	CH E	CH F
TV Channel	CH 49	CH 49	CH 49	CH 49	CH 50	CH 50	CH 50	CH 50
Frequency	683.675	684.100	685.275	685.825	688.400	688.925	690.050	690.475

Test Frequencies:                      **LOW**    **CENTER**    **HIGH**  
CH 0 (669.525MHz)                      CH 7 (676.175MHz)                      CH F (690.475MHz)

**16 Channel Non-interference Operation:** When microphones are at least 16 feet (5 meters) away from the receivers, non-interference operation can be achieved.

# ACT-81/82 System

## Non-Interference Frequency List

Frequency Band : 6A						Frequency Range: (620~644MHz)					
Group Channel	1	2	3	4	5	6	7	8	9	10	
1	621.275	621.525	621.775	622.025	620.100	621.675	620.550	620.900	620.950	621.450	
2	622.075	622.325	622.575	622.825	621.700	623.175	622.650	623.000	621.850	622.350	
3	628.400	628.650	628.900	629.150	627.100	627.175	624.050	624.400	623.100	623.600	
4	633.225	633.475	633.725	633.975	629.200	630.675	625.950	626.300	624.000	624.500	
5	636.800	637.050	637.300	637.550	635.600	633.675	628.400	628.750	625.600	626.100	
6	639.125	639.375	639.625	639.875	639.300	638.675	630.050	630.400	626.500	627.000	
7	640.900	641.150	641.400	641.650	640.400	640.675	632.250	632.600	627.750	628.250	
8	642.125	642.375	642.625	642.875	643.600	643.175	636.950	637.300	628.650	629.150	
9							638.000	638.350	635.025	635.525	
10							640.950	641.300	635.925	636.425	
11									637.225	637.725	
12									638.125	638.625	
13									639.800	640.300	
14									640.700	641.200	
15									641.950	642.450	
16									642.850	643.350	

**Remarks:**

- Testing Frequency (Low)            0501 → (620.100MHZ)
- Testing Frequency (Center)        0505 → (635.600MHZ)
- Testing Frequency (High)          0508 → (643.600MHZ)
- Interference might occur among groups. To achieve interference-free operation, use frequencies in the same group. For example use Group 1 only, Group 2 only, etc.
- If interference occurs while using the same group, change all receivers to another group.

**8 channel non-interference operation:**

Groups 1 through 6 each provide for the simultaneous non-interference operation of up to eight microphones provided that the microphone transmitters are at least 3 meters away from the receivers.

**10 channel non-interference operation:**

Groups 7 and 8 each provide for the simultaneous non-interference operation of up to ten microphones provided that the microphone transmitters are at least 5 meters away from the receivers.

**16 channel non-interference operation:**

Groups 9 and 10 each provide for the simultaneous non-interference operation of up to 16 microphones provided that the microphone transmitters are at least 3 meters away from the receivers and the transmitter output power is set to low.

## ACT-81/82 System Non-Interference Frequency List

Frequency Band : 6B						Frequency Range: (644~668MHz)					
Group Channel	1	2	3	4	5	6	7	8	9	10	
1	645.275	645.525	645.775	646.025	644.100	645.675	644.550	644.900	644.950	645.450	
2	646.075	646.325	646.575	646.825	645.700	647.175	646.650	647.000	645.850	646.350	
3	652.400	652.650	652.900	653.150	651.100	651.175	648.050	648.400	647.100	647.600	
4	657.225	657.475	657.725	657.975	653.200	654.675	649.950	650.300	648.000	648.500	
5	660.800	661.050	661.300	661.550	659.600	657.675	652.400	652.750	649.600	650.100	
6	663.125	663.375	663.625	663.875	663.300	662.675	654.050	654.400	650.500	651.000	
7	664.900	665.150	665.400	665.650	664.400	664.675	656.250	656.600	651.750	652.250	
8	666.125	666.375	666.625	666.875	667.600	667.175	660.950	661.300	652.650	653.150	
9							662.000	662.350	659.025	659.525	
10							664.950	665.300	659.925	660.425	
11									661.225	661.725	
12									662.125	662.625	
13									663.800	664.300	
14									664.700	665.200	
15									665.950	666.450	
16									666.850	667.350	

**Remarks:**

- Testing Frequency (Low)            0501 → (644.100MHZ)
- Testing Frequency (Center)        0505 → (659.600MHZ)
- Testing Frequency (High)          0508 → (667.600MHZ)
- Interference might occur among groups. To achieve interference-free operation, use frequencies in the same group. For example use Group 1 only, Group 2 only, etc.
- If interference occurs while using the same group, change all receivers to another group.

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Groups 1 through 6 each provide for the simultaneous non-interference operation of up to eight microphones provided that the microphone transmitters are at least 3 meters away from the receivers.

**10 channel non-interference operation:**

Groups 7 and 8 each provide for the simultaneous non-interference operation of up to ten microphones provided that the microphone transmitters are at least 5 meters away from the receivers.

**16 channel non-interference operation:**

Groups 9 and 10 each provide for the simultaneous non-interference operation of up to 16 microphones provided that the microphone transmitters are at least 3 meters away from the receivers and the transmitter output power is set to low.



## ACT-81/82 System Non-Interference Frequency List

Frequency Band : 6C						Frequency Range: (668~692MHz)					
Group Channel	1	2	3	4	5	6	7	8	9	10	
1	669.275	669.525	669.775	670.025	668.100	669.675	668.550	668.900	668.950	669.450	
2	670.075	670.325	670.575	670.825	669.700	671.175	670.650	671.000	669.850	670.350	
3	676.400	676.650	676.900	677.150	675.100	675.175	672.050	672.400	671.100	671.600	
4	681.225	681.475	681.725	681.975	677.200	678.675	673.950	674.300	672.000	672.500	
5	684.800	685.050	685.300	685.550	683.600	681.675	676.400	676.750	673.600	674.100	
6	687.125	687.375	687.625	687.875	687.300	686.675	678.050	678.400	674.500	675.000	
7	688.900	689.150	689.400	689.650	688.400	688.675	680.250	680.600	675.750	676.250	
8	690.125	690.375	690.625	690.875	691.600	691.175	684.950	685.300	676.650	677.150	
9							686.000	686.350	683.025	683.525	
10							688.950	689.300	683.925	684.425	
11									685.225	685.725	
12									686.125	686.625	
13									687.800	688.300	
14									688.700	689.200	
15									689.950	690.450	
16									690.850	691.350	

**Remarks:**

- Testing Frequency (Low)            0501 → (668.100MHZ)
- Testing Frequency (Center)        0505 → (683.600MHZ)
- Testing Frequency (High)          0508 → (691.600MHZ)
- Interference might occur among groups. To achieve interference-free operation, use frequencies in the same group. For example use Group 1 only, Group 2 only, etc.
- If interference occurs while using the same group, change all receivers to another group.

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Groups 1 through 6 each provide for the simultaneous non-interference operation of up to eight microphones provided that the microphone transmitters are at least 3 meters away from the receivers.

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**16 channel non-interference operation:**

Groups 9 and 10 each provide for the simultaneous non-interference operation of up to 16 microphones provided that the microphone transmitters are at least 3 meters away from the receivers and the transmitter output power is set to low.