



**SONY®**

### **Sony Wireless Mic Systems – New Operating Channels.**

As it stands today, there are only 25 TV stations in Starin's midwest territory that could potentially interfere with our wireless mic systems using TV Ch 62 – 69.

HAMMOND	IN	62
DETROIT	MI	62
KANSAS CITY	MO	62
OKLAHOMA CITY	OK	62
KILLEEN	TX	62
ANGOLA	IN	63
BLOOMINGTON	IN	63
KALAMAZOO	MI	64
CINCINNATI	OH	64
BEATTYVILLE	KY	65
EL PASO	TX	65
OPELIKA	AL	66
JOLIET	IL	66
FLINT	MI	66
LEBANON	TN	66
TROY	AL	67
MOREHEAD	KY	67
CANTON	OH	67
ALVIN	TX	67
BIRMINGHAM	AL	68
LOUISVILLE	KY	68
MANSFIELD	OH	68
ARLINGTON	TX	68
FOND DU LAC	WI	68
INDIANAPOLIS	IN	69

These are all analog NTSC transmitters and will disappear as the DTV transition continues. Once the transition is complete, there will be no TV transmissions at all above Ch. 51, and the spectrum where the current Sony wireless mics operate will be re-allocated to another service. Users requesting systems in the current Ch. 62/64 and 66/68 operating range need to understand that the future of this spectrum space after the DTV transition is complete is unknown at this time.

Sony has added new operating frequency ranges, Ch. 30/32 (30,31,32 and 33) and Ch. 42/44 (42, 43, 44 and 45) for their WL-800 Series Wireless Systems. These frequencies are within the allocation for DTV broadcast stations, so those assignments will have to be considered when choosing a frequency range. At the end of May, 2006, there were 201 TV stations in Starin's territory, both DTV and Analog NTSC, in operation on the new Sony frequency ranges.

BIRMINGHAM	AL	30	DTV
OPELIKA	AL	31	DTV
HUNTSVILLE	AL	31	NTSC
HUNTSVILLE	AL	32	DTV
MONTGOMERY	AL	32	NTSC
OZARK	AL	33	DTV
TUSCALOOSA	AL	33	NTSC
BIRMINGHAM	AL	42	NTSC
MOBILE	AL	42	NTSC
LOUISVILLE	AL	43	NTSC
LOUISVILLE	AL	44	DTV
GADSDEN	AL	44	NTSC
GADSDEN	AL	45	DTV
MONTGOMERY	AL	45	NTSC
LITTLE ROCK	AR	30	DTV
HARRISON	AR	31	NTSC
LITTLE ROCK	AR	32	DTV
LITTLE ROCK	AR	42	NTSC
EL DORADO	AR	43	NTSC
LITTLE ROCK	AR	44	DTV
SIoux CITY	IA	30	DTV
DES MOINES	IA	31	DTV
COUNCIL BLUFFS	IA	32	NTSC
WATERLOO	IA	32	NTSC
COUNCIL BLUFFS	IA	33	DTV
MASON CITY	IA	42	DTV
DUBUQUE	IA	43	DTV
SIoux CITY	IA	44	NTSC
IOWA CITY	IA	45	DTV
PEORIA	IL	30	DTV
CHICAGO	IL	31	DTV
PEORIA	IL	31	NTSC
QUINCY	IL	32	DTV
CHICAGO	IL	32	NTSC
ROCKFORD	IL	42	DTV
SPRINGFIELD	IL	42	DTV
CHICAGO	IL	43	DTV
BLOOMINGTON	IL	43	NTSC
SPRINGFIELD	IL	44	DTV
CHICAGO	IL	44	NTSC
CHICAGO	IL	45	DTV

SOUTH BEND	IN	30	DTV
BLOOMINGTON	IN	30	NTSC
FORT WAYNE	IN	31	DTV
MARION	IN	32	DTV
FORT WAYNE	IN	33	NTSC
SOUTH BEND	IN	42	DTV
BLOOMINGTON	IN	42	NTSC
RICHMOND	IN	43	NTSC
INDIANAPOLIS	IN	44	DTV
EVANSVILLE	IN	44	NTSC
EVANSVILLE	IN	45	DTV
INDIANAPOLIS	IN	45	DTV
WICHITA	KS	31	DTV
WICHITA	KS	33	NTSC
TOPEKA	KS	44	DTV
WICHITA	KS	45	DTV
OWENSBORO	KY	30	DTV
OWENSBORO	KY	31	NTSC
PADUCAH	KY	32	DTV
LOUISVILLE	KY	32	NTSC
BOWLING GREEN	KY	33	DTV
LEXINGTON	KY	42	DTV
MADISONVILLE	KY	42	DTV
ELIZABETHTOWN	KY	43	DTV
ASHLAND	KY	44	DTV
OWENTON	KY	44	DTV
HARLAN	KY	44	NTSC
LAKE CHARLES	LA	30	DTV
NEW ORLEANS	LA	31	DTV
ALEXANDRIA	LA	31	NTSC
ALEXANDRIA	LA	32	DTV
NEW ORLEANS	LA	32	NTSC
BATON ROUGE	LA	33	NTSC
SHREVEPORT	LA	33	NTSC
HAMMOND	LA	42	DTV
NEW ORLEANS	LA	43	DTV
SHREVEPORT	LA	44	DTV
BATON ROUGE	LA	44	NTSC
BATON ROUGE	LA	45	DTV
SHREVEPORT	LA	45	NTSC

SAGINAW	MI	30	DTV
TRAVERSE CITY	MI	31	DTV
ANN ARBOR	MI	31	NTSC
ANN ARBOR	MI	33	DTV
MARQUETTE	MI	33	DTV
CADILLAC	MI	33	NTSC
DETROIT	MI	43	DTV
BATTLE CREEK	MI	43	NTSC
BATTLE CREEK	MI	44	DTV
DETROIT	MI	44	DTV
DETROIT	MI	45	DTV
KALAMAZOO	MI	45	DTV
APPLETON	MN	31	DTV
HIBBING	MN	31	DTV
MINNEAPOLIS	MN	32	DTV
AUSTIN	MN	33	DTV
DULUTH	MN	33	DTV
ALEXANDRIA	MN	42	NTSC
DULUTH	MN	43	DTV
REDWOOD FALLS	MN	43	NTSC
MINNEAPOLIS	MN	44	DTV
MINNEAPOLIS	MN	45	NTSC
ST. LOUIS	MO	30	NTSC
KANSAS CITY	MO	31	DTV
ST. LOUIS	MO	31	DTV
KIRKSVILLE	MO	33	DTV
SPRINGFIELD	MO	33	NTSC
KANSAS CITY	MO	42	DTV
JOPLIN	MO	43	DTV
ST. LOUIS	MO	43	DTV
SPRINGFIELD	MO	44	DTV
MERIDIAN	MS	30	NTSC
MERIDIAN	MS	31	DTV
GREENWOOD	MS	32	DTV
COLUMBUS	MS	43	DTV
MERIDIAN	MS	44	DTV
HOUSTON	MS	45	NTSC
BISMARCK	ND	31	DTV
FARGO	ND	44	DTV
MINOT	ND	45	DTV

LINCOLN	NE	31	DTV
GRAND ISLAND	NE	32	DTV
OMAHA	NE	42	NTSC
OMAHA	NE	43	DTV
OMAHA	NE	45	DTV
AKRON	OH	30	DTV
DAYTON	OH	30	DTV
PORTSMOUTH	OH	30	NTSC
TOLEDO	OH	30	NTSC
CINCINNATI	OH	31	DTV
CLEVELAND	OH	31	DTV
CINCINNATI	OH	33	DTV
YOUNGSTOWN	OH	33	NTSC
SANDUSKY	OH	42	DTV
PORTSMOUTH	OH	42	NTSC
PORTSMOUTH	OH	43	DTV
LORAIN	OH	43	NTSC
CAMBRIDGE	OH	44	NTSC
LIMA	OH	44	NTSC
DAYTON	OH	45	NTSC
ALLIANCE	OH	45	NTSC
SHAWNEE	OK	30	NTSC
EUFAULA	OK	31	DTV
OKLAHOMA CITY	OK	32	DTV
OKLAHOMA CITY	OK	33	DTV
TULSA	OK	42	DTV
OKLAHOMA CITY	OK	43	NTSC
OKMULGEE	OK	44	NTSC
SIOUX FALLS	SD	32	DTV
KNOXVILLE	TN	30	DTV
NASHVILLE	TN	30	NTSC
MEMPHIS	TN	30	NTSC
KNOXVILLE	TN	31	DTV
MEMPHIS	TN	31	DTV
CLEVELAND	TN	42	DTV
JACKSON	TN	43	DTV
KNOXVILLE	TN	43	NTSC
LEBANON	TN	44	DTV
CHATTANOOGA	TN	45	NTSC

DECATUR	TX	30	DTV
EL PASO	TX	30	DTV
SAN ANTONIO	TX	30	DTV
ODESSA	TX	30	NTSC
BORGER	TX	31	DTV
HARLINGEN	TX	31	DTV
HOUSTON	TX	31	DTV
LONGVIEW	TX	31	DTV
ODESSA	TX	31	DTV
DALLAS	TX	32	DTV
HOUSTON	TX	32	DTV
KERRVILLE	TX	32	DTV
ABILENE	TX	32	NTSC
AUSTIN	TX	33	DTV
BEAUMONT	TX	33	DTV
BIG SPRING	TX	33	DTV
DALLAS	TX	33	NTSC
ARLINGTON	TX	42	DTV
CONROE	TX	42	DTV
AUSTIN	TX	42	NTSC
ODESSA	TX	42	NTSC
AUSTIN	TX	43	DTV
DENTON	TX	43	DTV
ODESSA	TX	43	DTV
HOUSTON	TX	44	DTV
HARLINGEN	TX	44	NTSC
WACO	TX	44	NTSC
DALLAS	TX	45	DTV
ROSENBERG	TX	45	NTSC
LA CROSSE	WI	30	DTV
MILWAUKEE	WI	30	NTSC
LA CROSSE	WI	31	NTSC
JANESVILLE	WI	32	DTV
APPLETON	WI	32	NTSC
MILWAUKEE	WI	33	DTV
GREEN BAY	WI	42	DTV
MAYVILLE	WI	43	DTV
FOND DU LAC	WI	44	DTV
WHEELING	WV	32	DTV
MORGANTOWN	WV	33	DTV
HUNTINGTON	WV	33	NTSC

Choice of operating frequency ranges will depend heavily on the market that the systems will be sold into. As the DTV transition progresses, these 201 stations will reduce by nearly half to 119 as the analog TV stations disappear and the DTV stations move to their final assignments. So at some point in the future, (currently Feb. 17, 2009) it will look like this:

BIRMINGHAM	AL	30
HUNTSVILLE	AL	32
MONTGOMERY	AL	32
TUSCALOOSA	AL	33
OZARK	AL	33
SELMA	AL	42
LOUISVILLE	AL	44
GADSDEN	AL	45
LITTLE ROCK	AR	30
HARRISON	AR	31
LITTLE ROCK	AR	32
EL DORADO	AR	43
LITTLE ROCK	AR	44
DES MOINES	IA	31
COUNCIL BLUFFS	IA	33
MASON CITY	IA	42
DUBUQUE	IA	43
SIoux CITY	IA	44
PEORIA	IL	30
CHICAGO	IL	31
QUINCY	IL	32
SPRINGFIELD	IL	42
ROCKFORD	IL	42
CHICAGO	IL	43
SPRINGFIELD	IL	44
CHICAGO	IL	45
FORT WAYNE	IN	31
MARION	IN	32
SOUTH BEND	IN	42
BLOOMINGTON	IN	42
INDIANAPOLIS	IN	44
EVANSVILLE	IN	45
INDIANAPOLIS	IN	45

WICHITA	KS	31
WICHITA	KS	45
OWENSBORO	KY	30
PADUCAH	KY	32
MADISONVILLE	KY	42
LEXINGTON	KY	42
ELIZABETHTOWN	KY	43
OWENTON	KY	44
ASHLAND	KY	44
LAKE CHARLES	LA	30
ALEXANDRIA	LA	31
NEW ORLEANS	LA	31
HAMMOND	LA	42
NEW ORLEANS	LA	43
SHREVEPORT	LA	44
BATON ROUGE	LA	45
SAGINAW	MI	30
ANN ARBOR	MI	31
DETROIT	MI	43
BATTLE CREEK	MI	44
DETROIT	MI	44
DETROIT	MI	45
KALAMAZOO	MI	45
HIBBING	MN	31
MINNEAPOLIS	MN	32
DULUTH	MN	33
ALEXANDRIA	MN	42
MINNEAPOLIS	MN	45

KANSAS CITY	MO	31
ST. LOUIS	MO	31
KIRKSVILLE	MO	33
KANSAS CITY	MO	42
ST. LOUIS	MO	43
JOPLIN	MO	43
SPRINGFIELD	MO	44
MERIDIAN	MS	31
GREENWOOD	MS	32
COLUMBUS	MS	43
MERIDIAN	MS	44
HOUSTON	MS	45
BISMARCK	ND	31
FARGO	ND	44
OMAHA	NE	43
OMAHA	NE	45
DAYTON	OH	30
AKRON	OH	30
CINCINNATI	OH	33
SANDUSKY	OH	42
PORTSMOUTH	OH	43
ALLIANCE	OH	45
EUFULA	OK	31
OKLAHOMA CITY	OK	33
TULSA	OK	42
TULSA	OK	45
KNOXVILLE	TN	30
MEMPHIS	TN	31
CLEVELAND	TN	42
JACKSON	TN	43
LEBANON	TN	44

DECATUR	TX	30
SAN ANTONIO	TX	30
ODESSA	TX	30
HARLINGEN	TX	31
LONGVIEW	TX	31
BORGER	TX	31
DALLAS	TX	32
KERRVILLE	TX	32
BIG SPRING	TX	33
AUSTIN	TX	33
BEAUMONT	TX	33
ODESSA	TX	42
CONROE	TX	42
ARLINGTON	TX	42
DENTON	TX	43
AUSTIN	TX	43
WACO	TX	44
HOUSTON	TX	44
ROSENBERG	TX	45
DALLAS	TX	45
LA CROSSE	WI	30
JANESVILLE	WI	32
MILWAUKEE	WI	33
GREEN BAY	WI	42
MAYVILLE	WI	43
FOND DU LAC	WI	44
MORGANTOWN	WV	33

The bottom line is that wireless mic channel selection will need to be more carefully considered in the future. The current deadline of Feb. 2009 for completion of the DTV transition means that the broadcast interference possibilities will match the above table well within the operational lifetime of units sold today.