

VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 2013

The Magazine for TV and FM DXers



MEXICAN FM STATIONS
AUTHORIZED FOR IBOC!

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THE WORLDWIDE TV-FM DX ASSOCIATION

Serving the UHF-VHF Enthusiast

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: DOUG SMITH, GREG CONIGLIO, KEITH MCGINNIS AND MIKE BUGAJ.



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JANUARY 2013



It's been too cold up here in the frozen north to even think about DXing. We've been mostly pre-occupied with keeping warm. With this kind of weather you could assume that the FM band is dead. And tropo? Fahgettaboutit. We'll leave TV/FM DXing to those down south living in warmer places. We will join you when spring gets here.

For those of you with computers, please see the convention section of forums.wtfda.org for all the latest news about the upcoming convention.

The folks over at NRC would like an informal headcount of WTFDAers who think they might attend the convention. I have a list of around eight people taken from our email list and Facebook group. If you are not online and plan on going, send me a quick note so I can let them know.

MEMBERS AND MORE

During the period from 12/28 through 1/16 we received renewals from James Niven, Craig Healy, Melvyn Larson, Russ Edmunds, Chester Jaffee, Garth Jensen, Charles Gauthier, Alan Radella, Tim Noonan, Roger Sabella and Paul Mitschler. Thank you all for staying with us!

Former BOD member Tom Bryant writes "We've recently seen two significant losses in the DXer community. First, the passing of Joe Gragg (Palestine, TX). and more recently, John Ebeling (Minneapolis, MN).

Joe was quite the character. Not the classiest dresser (I think he wore the same T-shirt to every convention)...and then there was the 'plumber's crack'! But what a great guy. Joe was a non-stop conversationalist, and had probably forgotten more than most people ever knew about broadcast engineering. He'd been everywhere, and done just about everything.

For years he made it a point to attend the annual WTFDA conventions, and he was probably as well known and respected as almost any member of the club.

More recently we lost another veteran DXer, John Ebeling. I got to know John fairly well, and enjoyed spending time with him. His wife was delightful, too. He was almost the exact opposite of Joe, insofar as he tended to be on the quiet side and was a snappy dresser. John was a marvelous broadcast historian, and was always eager to engage in discussions of days gone by. His contributions to documenting Minnesota broadcast history and the preservation of antique radio equipment are a part of his legacy. Both will be missed."

FACEBOOK

Last month we announced the formation of a WTFDA group on Facebook. Since that time about 65 members have joined the group. If you are interested just open up a Facebook account with the bare minimum of information, then search for WTFDA (in upper case) and then click "join group." That's all it takes. You don't even need to make a Facebook page for yourself.

Any posts will come to you in your email. You then login to reply. It's a very interesting world over there.

CAT 6

According to a thread on tvfmdx, if you're having noise problems with your receivers and you think the cause could be computer related, try changing your cat 5 router coax to shielded cat 6 networking cable. Your problems could vanish. See you next month!



TV News

Douglas E. Smith
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 Pleasant View, TN
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w9wi@w9wi.com
<http://www.w9wi.com>

February 2013

Abbreviations:

AF	Applied For (a new station)	NW	New station on the air
Aux	Auxiliary (backup) transmitter	PA	Proposed Amendment
CC	Callsign change	PC	Power (and/or tower height) change on the air
CL	City-of-license change	PG	Power change granted
CX	Canceled	PR	Power change requested
DC	Converted to DTV	RA	Returns to the air
DCC	Digital Companion Channel	QC	Channel (frequency) change on the air
NS DCC	Granted flash-cut to DTV	QG	Channel change granted
DE	License/permit deleted	QR	Channel change requested
DR	Requests flash-cut to DTV	RE	Reinstated (previously-dismissed app.)
FC	Programming (format) change	ROA	Request of Applicant
FTP	Failure to Prosecute	SI	Off the air (silent)
GA	Granted amendment (to table of channel allotments)	STA	Special Temporary Authority
LC	License to Cover	XC	Transmitter site changed
MX	Mutually Exclusive	XG	Transmitter site change granted
NDA	Non-directional antenna	XR	Transmitter site change requested
NS	Permit granted for new station	lpdtv	Low Power Digital TV
DG	Granted conversion to DTV	DRT	Digital Replacement Translator

News:

(full-power analog stations in **bold face**; LPTV and translators in regular type; full-power analog stations in **bold italics**; low-power analog stations in *regular italics*)

CANADA



British Columbia

Kelowna	27	CHBC-DT	NW 32.6kw/ 510m, 49-58-02/ 119-31-50
Penticton	32	CHBC-DT-1	NW 3kw/365m, 49-39-34/ 119-34-22
Vernon	20	CHBC-DT-2	NW 3kw/185m, 50-16-58/ 119-19-13



Newfoundland & Labrador

Red Rocks	11	CJRR-TV	CX
Stephenville	4	CJSV-TV	CX



Ontario

Leamington	34	CFTV-DT	PR<621w/27m 42-04-24/ 82-37-54
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Quebec

Montreal	47	NEW	NS 5.5kw/ 196m, ethnic in 17 languages
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Montreal 49 CJNT-DT FC to CityTV

MEXICO



Chiapas

<i>Marques de Comillas</i>	10	XHCMC-TV	NS 269w (state govt.)
Palenque	22	XHTOE-TDT	AF dismissed (booster)
San Cristobal de las Casas	51	XHOPSC-TDT	NS 4.29kw (OPMA)
<i>Tapachula</i>	27	XHOPTP-TVNS	31.01kw (OPMA)
Tuxtla Gutierrez	31	XHOPTC-TDT	NS 8.96kw (OPMA)



Chihuahua

<i>Cd. Cuauhtemoc</i>	2	XHCTH-TV	NS, cultural
Cd. Juarez	24	NEW-dtv	AF dismissed, interference to XHJCI & KINT












Coahuila

Torreón	39	XHTON-TDT	AF dismissed
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Colima

Colima	41	XHOPCO-TDT	NS 5.25kw (OPMA)
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	Distrito Federal Mexico	20 XEUNAM-TV	NS, experimental
	Durango Durango	46 XHUAD-TV	NS 15.41kw (University)
	Jalisco Puerto Vallarta	13 XHGPV-TV	NS 3.5kw (state govt.)
	Mexico Toluca	30 XHOPEM-TDT	NS 168.68kw (OPMA)
	Nuevo Leon Monterrey	47 XHOPMT-TV	NS 132.82kw (OPMA)
	Puebla Puebla	21 NEW-dtv	AF 19-03-17/ 98-13-32
	Queretaro Queretaro	30 XHOPMG-TDT	NS 11.28kw (OPMA)
	Queretaro	50 XHSECE-TDT	NS 5kw (cultural)
	Sinaloa Elota	30 XHQ-TDT	NS 500w, 23-55-00/ 106-54-00; booster of Culiacan stn.
	Los Mochis	11 XHSIM-TV	NS 110.46kw (Once TV)
	Mazatlan	41 XHOPMS-TDT	NS 28.65kw (OPMA)
	Sonora Cd. Obregon	31 XHOPOS-	NS 57.34kw (OPMA)

			TDT
	Tabasco Villahermosa Villahermosa	30 XHVIZ-TDT 38 XHOPVT-TDT	AF dismissed NS 13.92kw (OPMA)
	Veracruz Coatzacoalcos Xalapa Veracruz	46 XHOPCA-TDT 46 NEW-dtv 29 NEW-dtv	NS 20.51kw, 18-08-04/ 94-26-26 (OPMA) AF 19-35-25/ 97-05-33 AF 19-07-21/ 96-06-44
	Yucatan Merida Merida	31 XHMEN- 33 XHTP-	AF dismissed AF dismissed
	Zacatecas Zacatecas Zacatecas	27 NEW-dtv 47 XHOPZC-TDT	AF dismissed NS 48.99kw (OPMA)
	Puerto Rico San Lorenzo	29 W29EE	XR 18-16-32/ 66-05-41
	USA		
	Alabama Alexander City Huntsville	32 WAXC-LD 34 WHVD-LP	QG from 31 DC from 67, 15kw, 34-44-12/ 86-31-59
	Opelika Scottsboro	30 WLGA 31 W31DX	PR<486m; PG NW 900w, 34-43-21/ 86-29-29
	Alaska Fairbanks	11 KTVF – 0921ACF	PR>250w, 64-48-43/ 147-42-04; PG; NW



Arizona

Cottonwood 40 K40AD DC 12.6kw
Flagstaff 50 K50HU DC 300w



Arkansas

Fort Smith 43 KXUN-LP DC 15kw
Fulton 26 KZTE-LP DC from 64, 100w, 33-25-13/ 94-04-42
Hot Springs 18 KTVV-LP DC from 49, 5.2kw, 34-24-14/ 93-07-15
Pine Bluff 19 KIPB-LP DC from 18, 15kw
Texarkana 35 KLFI-LP DR 8kw; DG



California

Bakersfield 8 K08PT DG from K24GS, 2.7kw, 35-27-14/ 118-35-37
Bakersfield 17 K17LX NS 100w, 35-12-06/ 119-05-27
East Los Angeles 66 KLAU-LD CX
Eureka 29 KECA-LP DR 15kw, 40-43-39/ 123-58-17
Los Angeles 42 KWHY-TV PR>1000kw/ 903m, 34-13-36/ 118-03-59
Lucerne Valley 33 KVVV-LP DR 800w, 34-36-34/ 117-17-11
Mariposa 47 K47OM NS 15kw, 37-39-46/ 120-27-34; DCC for K27GZ
Modesto 31 K31MN NS 15kw; DCC for K49EO
Oakland 44 KTVU NW 427.9kw/ 371m (aux)
Sacramento 6 KEFM-LD NS 3kw; DCC
San Diego 25 KBNT-CA CC from KTCB-
San Diego 46 KTCB-LP CC from KDTE-LP
San Diego 51 KDTE-LD CC from KTCB-
San Francisco 27 KTSF AF 348kw/ 409m, 37-41-15/ 122-26-01 (aux)
San Francisco 30 KQED PC>1000kw
San Luis Obispo 31 K57BC DC from 57, 15kw



Colorado

Hotchkiss 13 K13ML PR>268w, 38-42-41/ 107-36-23; PG
Lamar 42 K42EA DG 134w
Romeo 19 K61AZ DC from 61, 250w



District of Columbia

Washington 44 WIAV-LD NW 12kw, 38-56-24/ 77-04-54



Florida

Jacksonville 12 WJKF-CD DG from 9, 3kw
Key West 41 WMDF-LD XR 24-46-02/ 80-56-42; XG
Miami 23 WLTV-DT NW 575kw/ 257m (aux)
Orlando 39 WFTV NW 295kw/ 411m, 28-16-44/ 81-01-25 (aux)
Panama City 18 WJHG-TV QG from 7, 1000kw/ 450m
Port Charlotte 27 NEW-lpdtv AF 15kw, 26-47-07/ 81-47-47; DCC for W17CK
St. Petersburg 36 W36CO DR 75w, 27-53-35/ 82-42-29
Vero Beach 10 WWCI-CA DR 1.8kw, 27-36-13/ 80-23-04; DG



Georgia

Columbus 25 W61DU DC from 61, 3kw
La Grange 33 WJCN-LP DR 10kw; DG
Tifton 20 W62DE QC from 62, 170w
Toccoa 24 WUGA-TV XR 34-36-35/ 83-22-15; XG; XC

Hawaii



Waimanalo 15 KUPU DTS on the air – adds 2nd transmitter 49.6kw/ 687m, 21-24-22/ 158-06-01



Idaho

Terrace Lakes 11 K11WV QG from K100A, 47w



Illinois

Aurora 50 WXFT-DT NW 210kw/ 477m (aux)
Chicago 6 WKQX-LP DR
Plano 35 WSPY-LD NW 15kw, DCC for ch. 30; XR 41-50-36/ 88-05-00
Quincy 47 KZSL-LP DR from 52, 39-15-51/ 91-01-53 dismissed; going for different site
Quincy 47 KZSL-LP DR from 52, 39-58-43/ 91-18-38
Rockford 23 W25CL DR from 25, 15kw, 42-17-24/ 89-09-50
Rockford 47 W47EO NS 15kw, 41-53-24/ 89-08-27
Sugar Grove 48 W40CN QR from 40, 41-50-36/ 88-05-00; previous QR

to ch. 33 dismissed



Indiana
 Evansville 15 WYYW- CC from WTSN-; QC from 36, 15kw
 Evansville 20 WTSN- CC from WYYW-
 Indianapolis 7 WKOG-LD NS 3kw, 39-53-40/ 86-12-21; DCC for ch. 31



Kansas
 Great Bend 30 KGBD-LP DC 15kw
 Lawrence 41 KMCI-TV AF 1000kw/ 274m & 630kw/ 306m, both (aux)
 Manhattan 23 K23MS NS 3.75kw, 39-15-36/ 96-04-52; DCC for K31BW



Louisiana
 Hammond 38 WSTY-LD AF 15kw, 30-32-29/ 90-29-03; DCC for analog ch 23



Maine
 Bangor 22 WFVX-LP DC 15kw



Maryland
 Salisbury 7 WNGA-LD PC<100w, 38-55-38/ 75-25-46



Minnesota
 Intl. Falls 47 K53CQ DC 455w
 Roseau 38 K52AM DC from 52



Mississippi
 Cleveland 38 W56DY DC from 56, 6kw, 34-08-52/ 90-46-13
 Laurel 38 W38FI DG from W68DX, 1kw; DC
 McComb 49 W49ED NW 2kw, 31-02-35/ 90-29-55



Missouri
 Kansas City 42 KSHB-TV AF 1000kw/ 274m & 630kw/ 306m, both (aux)
 Rolla 29, K29JF, PR<5.6kw, 37-56-37/ 32, K32JJ, 91-47-06; PG
 34, K34KX, 36 K36KA
 Springfield 33 NEW-lpdtv AF 15kw, 37-13-09/ 92-56-57; DCC for K47LH



Montana
 Bull Lake Valley 7 K07ZP NS 35w, 48-29-07/ 115-48-16; DCC for K09KE
 Helena 26 K26MM NS 15kw; DCC for K41CX
 Plains 48 K48LG PR<1.04kw
 Quartz Creek 16 K16KZ NS 4w; DCC for K13MY
 Weeksville 29 K29ID PR>914w



Nebraska
 Norfolk 27 K27MK NS 4kw, 41-42-51/ 97-02-39; DCC for K21HS



Nevada
 Reno 4 KRMF-LD PG>2.93kw
 Reno 34 K39FF DR from 39, 15kw, 39-18-59/ 119-53-00
 Ursine 9, K09FK, DR 27w/
 11, K11OW, 8w/
 13, K13LU, 27w/
 50 K50DA 227w, 37-59-01/ 114-13-26; DG



New Hampshire
 Charlestown 26 WYCU-LD NW 9.6kw, 43-23-46/ 72-17-53; CC from WVBQ-LD



New Jersey
 Secaucus 38 WWOR-TV PR 355kw/ 439m; PG



New Mexico

Albuquerque	43 K43HW	DC 15kw, 35-12-54/ 106-27-02
Clovis	16 K16EX	DC 4.35kw
Carlsbad	47 K45GJ	DC 180w



**New York
Binghamton**

Glens Falls	7 WBNG- 39 WRGB – 1231AMA	PC>34kw AF 15kw, 43-18-17/ 73-45-07; DRT for ch. 6 Schenectady PR>65kw (aux) QR from 51, 3.28kw
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New York White Lake	7 WABC-TV 39 W51BN	
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North Carolina

Charlotte	24 W24EK	NS 15kw, 35-21-51/ 81-11-13; DCC for W38CN
Durham	24 W24CP	DC 14.06kw, 36-01-03/ 78-52-21
Jacksonville	21 WTMH-	CC from W21DP
Jacksonville	41 WTMQ-	CC from WJSW-
Kinston	21 W21DP	QG from W26DW, 15kw, 35-02-27/ 77-21- 11; CL fm Jacksonville
Ogden	39 WTMV-	CC from WJOW-
Wilmington	39 WTMV-LD	XR 34-18-04/ 77-48- 07; CL from Ogden; XG



Ohio

Findlay	22 WFND-LP	DC 15kw
Toledo	18 WDTJ-LD	DC from 68, 1kw, 41- 39-22/ 83-26-41
Toledo	48 WMNT-	DG 15kw



Oklahoma

Oklahoma City	19 KUOT-CA	DC 15kw
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Oregon

Rainier	15 K15IX	NW 340w, 46-09-46/ 122-51-05
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Pennsylvania

Brookville	45 W45BT	PR>6.32kw; PG
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Kittanning	44 WKHU-CA	DR from 60, 15kw
Pittsburgh	49 WPTG-LD	DG from 69, 15kw
Williamsport	33 NEW-lpdtv	AF 15kw, 41-11-29/ 76-58-37; DCC for W39BT



Tennessee

Chattanooga	38 WOOT-LD	AF 5kw, 35-15-01/ 85- 13-11; DCC for analog ch. 6
Knoxville	43 W43DR	PR>15kw, 36-00-13/ 83-56-34; CL from Morristown
Morristown	43 W61DG	DC from 61, 440w, 36- 00-22/ 83-36-29



Texas

Amarillo	28 KEAM-LD	DG from 61, 15kw, 35- 12-27/ 101-50-20; DC
<i>Amarillo</i>	<i>29 K29GD</i>	<i>PC<500w</i>
Beaumont	6 K06PM	PC>500w
Bledsoe	23 KZJW-LD	CX
Corpus Christi	3 KLAO-LP	DC from 43, 100w
Dallas	4 KHFW-LD	QG from 29, 100w, 33- 07-57/ 96-39-39; CL from Denison
Dallas	8 WFAA	PG 71.5kw/ 426m, 32- 35-17/ 96-58-34 (aux)
Dallas	24 KQFW-LD	QC from 56, 32-46-48/ 96-48-13
Georgetown	16 KADT-LD	PR<100w, 30-26-39/ 97-39-11; PG
<i>Harlingen</i>	<i>52 KTIZ-LP</i>	<i>CX</i>
Laredo	27 KXOF-CA	DC from 39, 3.2kw, 27- 31-12/ 99-31-19
Lubbock	14 K14PZ	NS 100w, 33-25-02/ 101-50-52
Odessa	36 KZOD-LP	DC from 62, 100w, 31- 50-53/ 102-23-13
San Antonio	4 KTDF-LD	AF dismissed, DCC for analog ch. 23
San Antonio	23 KTDF-LD	DG 7kw
Wichita Falls	32 KYWF-LD	DG from 52, 15kw, 33- 53-51/ 98-32-32; DC



Utah

Fillmore	49 K49ML	NW 150w, 39-02-10/ 112-19-31
Manti	32 KMTI-LD	CC from K32JA
Marysvale	12 KSVC-LD	CC from K12QR
Mexican Hat	14, NEW-lpdtv 15, 23	AF 560w, 37-08-59/ 109-51-35; DCC for K07YT/ K09YJ/ K11WD
St. George	34 K34FS	CX
St. George	53 K53BD	CX
Vernal	38 NEW-lpdtv	AF dismissed



Virginia

Chesapeake 25 WVAD-LP DC 15kw
 Harrisonburg 43 WSVF-LD NS 13kw, 38-23-34/
 78-46-13; DCC for ch.
 25; NW



Washington

Seattle 24 K24IT PR>2.6kw



West Virginia

Huntington 23 WSAZ-TV PR>1000kw/ 390m



Wisconsin

Green Bay 42 WPNE- PR>300kw; PG
 Mayville 43 WWRS- PC>600kw
 Milwaukee 8 WMVS AF 32kw/ 310m, 43-
 05-48/ 87-54-18 (aux)
 Milwaukee 35 WMVT AF 807kw/ 323m, 43-
 05-48/ 87-54-18 (aux)



Wyoming

Cody 50 K50MY DR to ch. 51
 dismissed, but granted
 on existing ch. 50
 Sheridan 6 K06AT PC>3kw

I've located the site where the Mexican government agency COFETEL releases broadcast decisions. A fair number appear in this month's column. Some of these date back as far as three years.

One bit of information retrieved from these decisions.. is a list of the programs carried on the OPMA DTV stations. I do not guarantee this subchannel list is 100% accurate, but the stations are known to be authorized to carry programs from the following sources:

- .1 Canal Once (XEIPN-TV 11)
- .2 Canal 22 (XEIMT-TV 22)
- .3 OPMA
- .4 DGTVE
- .5 TV-UNAM (XEUNAM-TV 60)
- .6 Canal Judicial

OPMA is a national educational network. Stations with call letters beginning with "XHOP--" are part of this network.

Just as in the U.S. digital transition, the Mexican government is assigning second channels to their analog stations for transitional DTV use. As in the U.S., stations will eventually elect whether to use these new second channels, or their existing analog channels, for permanent DTV operation.

Permits have been issued for a large number of new digital LPTVs. Note one has been assigned the rather strange callsign of "Q14A"! The last K14 callsign in the FCC database is K14PZ – so I would assume this South Dakota station should actually be K14QA.

AL Midland City W31EB, W34EU, W40DO,
 W46FC

AZ Lake Havasu K34MT
 Roll K18LD
 Sentinel K30NQ, K45MW
 Wellton K40NP
 AR El Dorado K46MR
 CA Bakersfield K21MN, K44LZ
 Newman K19KG
 Riverside K21MO
 CO Gateway K41NU
 FL Live Oak W20EA
 Okeechobee W46FA
 GA Dublin W14EK, W27DV, W42EQ,
 W44DT
 Montrose W48EJ
 Soperton W17DW, W29EN, W33DY,
 W47EP
 Valdosta W22ER
 ID Boise K08PS
 Twin Falls K46MP
 IL Jacksonville W49EJ
 KS Grainfield K32LJ, K40NR, K46MO, K48OJ
 Russell K24LG, K26MP
 Solomon K22LN, K34MU
 MD Ocean City W40DP
 MI Traverse City W16DN, W27DU, W49EN,
 W39DY
 MN Duluth K23MQ, K43ON
 MS Auburn W19EJ, W30DV, W32ET,
 W47EQ
 Tupelo W27DW
 MO Columbia K26KH
 MT Boulder K40NQ, K45MX
 Great Falls K31MQ
 Hysham K30NT
 Terry K15JT
 NV Battle Mountain K33NC
 Fernley K36NA, K45MV
 Incline Village K36NB
 NM Alamogordo K46MM
 Aztec K26MN
 Orogrande K06QI
 Tecolote K18LC
 ND Belfield K46MQ
 Bismarck K25NX
 Grand Forks K31MP, K40NO
 Horace K24LH
 Valley City K34MV
 OK Dickson K43OL, K47OL
 OR Bend K17LY
 PR Aguada W06DA
 SD Humboldt K33NF, K48OK
 Kadoka K20MA, K26MO, K30NR,
 K35LY, K39MI, K41NS, K46MN
 Philip K15JS, K33NE, K44MA, K48OI
 Sioux Falls K06QJ
 Spencer Q14A, K30NS, K40NS
 Watertown K19KH
 TN Jackson W49EK
 TX Fort Stockton K22LL, K28NG
 Jolly K33ND, K50NF
 Junction K23MP, K35LX
 Kent K31MO, K46ML
 Midland K16KY
 Ranger K41NT
 Sonora K14PY, K15JR, K42LQ
 WA Centerville K49MZ
 Pasco K17LZ
 WV Sutton W22ES
 WI Merrill W50EU
 WY Casper K50NG
 Douglas K43OM
 Wheatland K48OH



FM NEWS



BILL HALE

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FEBRUARY 2013

INDEX OF ABBREVIATIONS

APP: application
 APP Mod: Change to an already submitted application
 Class: FM license class
 CP: construction permit (authority to broadcast with facilities noted)
 CP Mod: change to an already granted CP
 DA: directional antenna
 FF: French language

\$: Stereo
 XL: Transmitter Location
 []: Calls in brackets signifies assumed or applied-for stat

Note: antenna heights are HAAT except where noted

— CANADA —

— CALL LETTER CHANGES —

	<u>Old Call</u>	<u>New Call</u>
AB Saint Paul	105.5 CP	CHFA-FM9

— FORMAT and SLOGAN CHANGES —

SK Saskatoon	96.3 CFWD-FM	> Classic Hits: <i>Cruz FM</i>
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— TECHNICAL CHANGES —

BC Port Moody	98.7 CKPM-FM	<u>Now on the air:</u> Is now on with AAA
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— TECHNICAL CHANGES —

AB Wabasca	94.3 CHSL-FM1	<u>CP granted for:</u> 6 kW-V/62 m, 55-58-52/113-49-22; Class A; \$; will relay CHSL-FM 92.7 Slave Lake
MB Winkler	88.9 CKMW-FM	> 100 kW/52 m, (to) non-DA; 49-07-16/98-04-03; Class C1 [initially granted on 103.7 MHz]
NF Port au Choix	96.7 CFNW-FM	4.3 kW/43 m, DA, 50-42-19/57-22-00; Class A; \$ [will move from 790 kHz and continue to relay CFCB Corner Brook]
ON Erin	88.1 CHES-FM	> 1.25 kW/63 m, DA, 43-45-56/80-03-41; Class A (from A1); \$

— TECHNICAL CHANGES —

GRANTS FOR NEW STATIONS

AB Coleman	102.3 CP	<u>CP granted for:</u> 51 W/(-)169 m, 49-38-54/114-29-50; Class A1; Mono [to relay CBR-1010 Calgary with CBC-E]
AB Saint Paul	105.5 CHFA-FM9	3.44 kW/51 m, 53-39-53/111-13-41; Class A; Mono [will be // CHFA-FM 90.1 Edmonton]
ON Barrie	106.7 CFRH-FM1	175 w/86 m, 44-24-15/79-42-25; Class A1; \$ [will relay CFRH-FM 96.5 Penetanguishene]
ON Prince Edward County	92.3 CJPE-FM	3 kW/71 m, 43-56-34/77-13-38; Class A; \$ [will be a Community station]

— TECHNICAL CHANGES —

— APPLICATIONS FROM EXISTING/PROPOSED FACILITIES —

BC Whistler	102.1 CISW-FM	<u>Applies for:</u> < 1 kW-V/> 238 m, DA, XL to 50-04-45/123-01-04; Class A
NS Aylesford	101.1 VF8023	>25 kW/> 201 m, (to DA); XL to 45-04-22/64-50-11; Class LP to B [would move from 101.1]
ON Toronto	88.1 CIND-FM	> 4 kW/< 281m, DA, 43-38-56/79-22-54; Class B (from B1); \$
ON Armstrong	91.3 CBOL-FM	50 W/60 m, 50-18-44/89-03-38; Class A; Mono; would relay CBQT-FM 88.3 Thunder Bay [would move from 1450 kHz]
ON Hornepayne	92.3 CBLH-FM	50 W/60 m, 49-14-00/84-46-10; Class A1; Mono; would relay CBQT-FM 88.3 Thunder Bay [would move from 1010 kHz]
QC Murdochville	99.5 [CBMJ-FM]	98 W/367 m, 48-57-56/65-28-40; Class A; Mono; would relay CBVE-FM 104.7 Québec [would move from 750 kHz as CBJM]
YT Mayo	104.9 CBDC-FM	50 W/13 m, 63-35-35/135-53-55; would relay CFWH-FM 94.3 Whitehorse [would move from 1230 kHz]

— TECHNICAL CHANGES —

— PROPOSALS FOR NEW STATIONS —

MB Steinbach	107.7 CP	<u>Applies for:</u> 30 kW/117 m, 49-31-26/96-40-02; Class B; \$ [would be Country; this is a modified application where the initial request was for 88.5 MHz]
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ON Sioux Lookout	95.3	CBLS-FM	500 w/182 m, 50-04-26/92-01-29; Class A; Mono [would relay CBQT-FM 88.3 Thunder Bay]
QC Montreal	102.9	CILO-FM	50 w/44 m, DA, 45-31-48/73-39-34; Class LP [would be ethnic]
QC Murdochville	97.7	CBGA-FM6	98 W/367 m, 48-57-56/65-28-40; Class A; Mono [would relay CBGA-FM 102.1 Matane]
— DISMISSALS —			
AB Lacombe	94.1	CJUV-FM	Application to reduce Canadian content from 40% to 35%

— UNITED STATES AND TERRITORIES —

FULL POWER and LPFM STATIONS

— CALL LETTER CHANGES —

		<u>Old Call</u>	<u>New Call</u>			<u>Old Call</u>	<u>New Call</u>	
AK	Anchorage	105.7	KNLT	MT	Miles City	88.3	CP	KQQM
AZ	Salome	90.1	CP	NH	Meredith	101.5	WWHQ	WZEI
FL	Defuniak Springs	89.7	CP	NJ	Burlington	97.5	WPEN-FM	WPEN
HI	Paia	102.9	KLZY	NJ	Newark	94.7	WFME	WRXP
ID	Sugar City	96.5	CP	NY	Kisco	106.3	WDVY	WFME
IL	Kankakee	92.7	WKIF	NC	Burlington	101.1	WZTK	WYMY
IL	Kankakee	95.1	WVLI	NC	Goldsboro	96.9	WYMY	WBZJ
IL	Lee	88.5	CP	PA	Erie	88.5	WMCE	WMCE-FM
IL	Metropolis	98.3	WRIK-FM	PA	State College	88.3	WKDN	WKDN-FM
LA	Belle Rose	106.9	CP	TX	George West	97.9	CP	KXAF
LA	Cameron	107.1	CP	TX	Leander	98.9	KXBT	KUTX
ME	Bar Harbor	107.7	WBQI	TX	Roscoe	93.5	CP	KEPL
MA	Lynn	101.7	WHBA	TX	Somerville	88.1	KUTX	KXBT
MI	Constantine	88.5	WGCX	UT	Glendale	90.5	CP	KFDJ
MI	Grayling	100.3	WGRY	WI	Minocqua	88.7	CP	WQMN
MI	Roscommon	101.1	WQON	WI	Mount Horeb	106.7	WTDY-FM	WOZN-FM
MS	Coldwater	95.3	WVIM-FM	WY	Wamsutter	104.9	KHNA	KKAR

- calls were reversed in the October 2012 column
 * - Correct!!

TRANSLATORS and BOOSTER STATIONS

— CALL LETTER CHANGES —

		<u>Old Call</u>	<u>New Call</u>			<u>Old Call</u>	<u>New Call</u>	
AL	York	100.7	W212CB	KY	Central City	91.5	W219DC	W218CR
AZ	Clifton	104.1	K217FK	ME	Vassalboro	100.9	W263AS	W265CO
CO	Copper Mountain	89.1	K208FP	MT	Missoula	102.9	K248BU	K275BS
CO	Pueblo	94.7	APP	NY	Corning	105.3	WKPQ-1	WKPQ-FM1
CO	Rifle and Avil Point	106.3	CP	NY	Elmira	105.3	WKPQ-2	WKPQ-FM2
CT	Clinton	99.5	W205CE	NY	Fairport	105.1	W283BB	W286AE
CT	Naugatuck	92.1	W250AA	NC	Valdese	107.3	W243BX	W297CX
FL	Marathon	96.7	W285EK	OH	Belpre	93.1	W225AD	W226BO
GA	Soperton	95.9	W272CP	SD	Aberdeen	89.7	K205ED	K209FR
GA	Thomson	104.9	W287BH	SD	Hot Springs	102.3	K218EH	K272EH
HI	Kailua-Kona	102.7	KTBH-1					
IN	Buffalo	100.9	W266AO					
			W265CP					

— FORMAT AND SLOGAN CHANGES —

— Full Power and LP Facilities —

AL	Birmingham	94.5	WJOX-FM	Changes their network affiliation to Fox Sports Radio: <i>JOX FM</i>
AL	Eufaula	97.9	WYDK	Returns to the air with Oldies: <i>The Dock 97.9</i>
AL	Slocomb	100.5	WLDA	> Rock: <i>Rock 100.5</i>
AZ	Wellton	91.7	KZYU-FM	Signs on with Spanish Religious
AR	Ashdown	103.9	KPGG	Changes their slogan to <i>K-Pig Classic Country</i>
AR	Bryant	93.3	KKSP	> Sports [Fox Sports Radio]
AR	England	96.5	KHTE-FM	> Talk: <i>Fresh Talk 96.5</i>
AR	Fort Smith	100.7	KLSZ-FM	> Sports: <i>The Ticket 100.7</i> [CBS Sports]
AR	Fayetteville	92.1	KQSM-FM	Changes their network to CBS Sports as <i>92.1 - The Ticket</i>
AR	Nashville	105.5	KNAS	> Sports: <i>Yahoo Sports Radio 105.5</i>
CA	Big Sur	95.9	KMZT-FM	Signs on with Classical: <i>K-Mozart</i>
CA	Carlsbad	95.7	KOGO-FM	> Rhythmic Oldies: <i>The Rhythm of San Diego</i>
CA	Guerneville	102.7	KWVF	> Classic Hits: <i>102.7, The Wolf</i>
CA	Kerman	94.3	KOKO-FM	> Classic Hits: <i>Oldies But Goodies 94.3</i>
CA	King City	91.3	KDRH	Returns to the air with Spanish Religious: <i>Radio Nueva Vida</i>
CA	Riverdale	98.3	KZLA	Returns to the air with Oldies
CA	San Ardo	91.7	KNBX	> News/Talk/Jazz
CA	San Francisco	95.7	KGMZ	Adds ESPN Radio Network: <i>95.7 FM, The Game</i>
CA	San Luis Obispo	90.1	KCBX	> News/Talk/Jazz: <i>KCBX Public Radio FM 90</i>
CA	Santa Barbara	89.5	KSBX	> News/Talk/Jazz: <i>KCBX Public Radio FM 90</i>
CO	Weldona	103.1	KFWA	Returns to the air with Christian CHR/Rock // KXWA 101.9 Centennial
CT	East Lyme	98.7	WNLC	Changes their slogan to <i>Classic Hits 98.7 WNLC</i>
FL	Eustis	90.3	WIGW	Returns to the air with Religious Teaching [Penfold Communications Network]

FL Live Oak	106.1	WLVO	Returns to the air with Contemporary Christian
FL Port St. Joe	101.9	WVLQ	Signs on with Religious Teaching: <i>Divine Word Radio</i> [Eternal Word Network]
GA East Dublin	98.1	WEDB	Changes their slogan to <i>Magic 98.1</i>
GA Swainsboro	100.5	WXRS-FM	Changes their slogan to <i>The Rooster, 100.5</i>
GA Trion	95.7	WATG	Changes their network to Cumulus - Classic Hits: <i>The Ridge 95.7</i>
ID New Plymouth	93.1	KTIK-FM	Changes their network to CBS Sports: <i>93.1 KTIK, The Ticket</i>
IL Chicago	90.5	WRTE	> Variety: <i>Vocalo Radio</i>
IL Kankakee	95.1	WVLI	> CHR // WFAV-103.7 Gilman: <i>Favorite Hit Music Station</i>
IL Mahomet	105.9	WGKC	> Country: <i>US 105.9</i>
IL Metropolis	98.3	WJLI	> CHR: <i>Jelli 98.3</i>
IL Polo	107.7	WLLT	> Oldies: <i>The Sound Of Sauk Valley, 107.7</i> [Dial Global]
IL Rochelle	102.3	WRHL-FM	> Country: <i>The Coyote</i> [Dial Global - Hot Country Today]
IL Rosemont	88.1	WTZI	Changes their network to Calvary Radio Network: <i>Truth Heard In Black & White - No Compromise</i>
IN Dayton	91.5	WCNB	Signs on with Hot AC: <i>Radio Mom</i>
IA Fort Dodge	92.1	KZLB	> Classic Hits: <i>92.1 The Eagle</i>
IA Manson	99.7	KXFT	> Adult Contemporary: <i>Sunny 99.7</i>
IA Muscatine	93.1	KMCS	> Classic Rock: <i>Vintage Sound 93.1</i>
IA Twin Lakes	105.9	KTLB	> Classic Hits: <i>Hippie Radio 105.9</i>
IA Waterloo	105.7	KOKZ	Changes their slogan to simply <i>KOKZ</i>
KS Great Bend	107.9	KZRS	> Classic Hits: <i>Old School 107.9</i>
KS Larned	96.7	KSOB	> Country: <i>Kansas Country 96.7</i>
KS Lindsborg	95.5	KVOB	> Classic Rock: <i>95.5 The Rock</i>
KS Scott City	93.9	KGKS	> Classic Hits: <i>93.9 Kiss FM</i>
KY Shepherdsville	105.1	WLRS	> Soft AC: <i>No Soul 105.1</i>
KY Springfield	102.7	WYSB	Changes their network to Cumulus - Hits and Favorites
KY Whitley City	98.3	WHAY	Changes their slogan to <i>Free Range Radio</i>
LA Bunkie	104.3	KEZP	Adds Sports as a second format with Fox Sports Radio
ME Bangor	92.9	WEZQ	> Sports: <i>92.9, The Ticket</i> [ESPN Radio Network]
ME Bar Harbor	107.7	WBKA	Changes their slogan to <i>Big 104 // WBAK</i>
ME Belfast	104.7	WBAK	Changes their slogan to <i>Big 104 // WBKA</i>
ME Bowdoin	88.1	WMEY	Signs on with Contemporary Christian: <i>Worship FM</i> [Worship FM]
ME Dover-Foxcroft	103.1	WZLO	> Adult Alternative: <i>The Loft</i>
ME Gardiner	104.3	WABK-FM	Changes their slogan to <i>Big 104</i>
ME Gray	96.3	WJJB-FM	Changes their network to Fox Sports Radio
MA Boston	96.9	WTKK	> Urban Contemporary: <i>Power 96.9</i>
MA Charlton	90.1	WYQQ	Changes their slogan to <i>The Q 90.1</i>
MI Grayling	100.3	WQON	> Rock: <i>Q-100.3</i>
MI Greenville	107.3	WBBL-FM	Changes their network to CBS Sports: <i>107.3, The Ball</i>
MI Houghton	91.1	WGGL-FM	> News/Talk: <i>News & Classical</i> [National Public Radio]
MI Roscommon	101.1	WGRY-FM	Adopts new slogan <i>Y-101.1</i> , remaining AC
MN Hawley	89.1	KNNZ	Signs on with Modern Rock: <i>Radio Fargo, 89.1</i>
MN Lake Crystal	95.7	KMKO-FM	> Adult Alternative: <i>95-7, The Rock Station</i>
MN New Prague	95.5	KRDS-FM	> Country/Ethnic: <i>Classic Music KCHK/KRDS</i>
MS Columbus	103.1	WNMQ	Changes their network to CBS Sports
MS Eupora	96.1	WLZA	Changes their slogan to <i>96.1 WLZA</i>
MO Bethany	91.3	KMWC	Signs on with Religious Teaching: <i>Radio Bethany 91.3</i>
MO Jefferson City	100.1	KBBM	> Sports [CBS Sports Network]
MO Kimberling City	100.1	KOMC-FM	Adds slogan <i>Sports Radio 100.1</i> and is now // KOMC-1220 Branson
MO Malden	92.9	KLSC	> Sports: <i>ESPN 1220 KGIR // KGIR- 1220 Cape Girardeau and KMAL-1470 Malden</i> [ESPN]
MO Scott City	93.9	KGKS	> Classic Hits: <i>93.9 Kiss FM</i>
MO Troy	100.7	KFNS-FM	> Classic Rock: <i>The Viper</i>
NV Bunkerville	96.7	KYLI	> Dance
NH Meredith	101.5	WZEI	Returns to the air with Sports [EEI Radio Network]
NJ Newark	94.7	WRXP	> Country: <i>94.7 Nash-FM</i>
NM Belen	97.7	KLVO	Changes their slogan to <i>Radio Lobo</i>
NM Clovis	99.1	KCLV-FM	Changes their slogan to <i>Today's Best Country 99.1</i>
NM Santa Fe	94.7	KKIM-FM	> Regional Mexican: <i>Radio Lobo</i>
NY Annandale-on-Hudson	88.1	WLHV	Changes their slogan to <i>Robin Hood Radio</i>
NY Buffalo	99.5	WDCX-FM	Changes their slogan to <i>Life FM</i>
NY Greene	88.1	WWSA	Signs on with News/Talk/Jazz [National Public Radio]
NC Aurora	104.5	WSTK	Returns to the air with Religious Teaching
NC Goldsboro	96.9	WBZJ	> Urban AC: <i>96.9 BZJ</i>
NC Washington	98.3	WLGT	> Contemporary Christian: <i>The Bridge FM</i>
ND Belfield	93.1	KXDI	Signs on with Country: <i>I-94</i>
OH Cridersville	99.3	WVLO	Signs on with Contemporary Christian: <i>K-Love</i>
OH Delta	106.5	WLQR-FM	Changes their network to CBS Sports
OH Marion	97.5	WDCM-LP	Returns to the air with Variety
OH Norwood	100.3	WCFN	> Sports: <i>100.3, The Fan</i> [CBS Sports Network]
OH West Chester	89.9	WLHS	Returns to the air with a Variety format: <i>Lakota Local Radio WLHS 89.9</i>
OR Creswell	95.3	KUJZ	Changes their network to CBS Sports: <i>The Score</i>
OR Portland	98.7	KUPL	Changes their slogan to <i>98.7, The Bull</i>
PA Allport	90.5	WRPV	Signs on with Christian CHR/Rock: <i>Rev FM</i>
PA Greenville	88.1	WXTC	Signs on with a Variety format
PA Mercer	96.7	WLLF	Changes their network CBS Sports: <i>Sports Radio 96.7</i>
PA York	103.3	WARM-FM	> Adult Contemporary: <i>Warm 103.3</i>
PA Youngsville	88.5	WYVL	Adds slogan <i>The Light</i>
SC Atlantic Beach	100.3	WSEA	Changes their network to CBS Sports: <i>Sports Radio 100.3, The Team</i>
SC Georgetown	93.7	WXJY	Changes their network to CBS Sports: <i>Sports Radio 100.3, The Team</i>
SC Lake City	100.1	WWFN-FM	Changes their network to CBS Sports

SD Milbank	104.3	KKSD	Changes their slogan to <i>Hippie Radio 104.3</i> as they remain Classic Hits
TX Anson	98.1	KTLT	Changes their network CBS Sports: <i>98.1 The Ticket</i>
TX Eldorado	88.9	KOPE	Signs on with Classic Country
TX Houston	100.3	KILT-FM	Changes their slogan to <i>The Bull @ 100.3</i>
TX Hunt	97.9	KYRT	Returns to the air with Country: <i>102.5 Hometown Country</i>
TX Lamesa	88.9	KRJA	Signs on with Spanish Religious
TX Leander	98.9	KUTX	> Adult Alternative
TX Mason	101.7	KZZM	Returns to the air with Country: <i>102.5 Hometown Country</i>
TX New Boston	95.1	KEWL-FM	> Classic Hits: <i>Kool Hits 95.1</i>
TX San Isidro	98.9	KMRV	Signs on with Spanish Religious: <i>Radio Vida</i> [Radio Vida]
TX Spur	98.7	KSPU	Signs on with Spanish Religious: <i>Radio Vida</i> [Radio Vida]
TX Stamford	106.9	KLGD	Changes their slogan to <i>The Country Giant, 106.9</i>
UT Spanish Fork	103.3	KOSY-FM	>Classic Rock: <i>Rock 106.5</i>
VT Barton	100.3	WQJQ	> Bluegrass
VT Wilmington	100.7	WTHK	> Country: <i>Kixx Country</i>
WI Mount Horeb	106.7	WOZN-FM	> Sports: <i>The Zone // WOZN-1670 Madison</i> [CBS Sports Network]
WI Seymour	104.3	WKZG	> 80s/90s Hits: <i>KZ104.3</i>
WY Casper	103.7	KQLT	Changes their network to Cumulus - Today's Best Country: <i>Kolt Country, 103.7</i>
WY Centennial	104.5	KYAP	Signs on with CHR: <i>I Mix 96.7</i>
WY Dayton	102.3	KOWY	Adds the slogan of <i>Magic 102.3</i>
WY Sheridan	94.9	KZWY	Changes their slogan to <i>Z-94 - Wyoming's Best Classic Rock</i>

— FM and AM Simulcasts —

FL Orlando	96.5	WDBO-FM	WDBO-580 Orlando with Sports: <i>ESPN Radio 580</i> [ESPN]
WI Mount Horeb	106.7	WOZN-FM	WOZN-1670 Madison with Sports [CBS Sports]

Carries the programming of:

MN Bemidji	103.1	K276EP	WBKK-820 Wilton with Talk and locally-originated Oldies
OH Cincinnati	94.5	W233BG	WLW-700 Cincinnati with News/Talk: <i>The Big One</i>

— OTHERNEWS —

AL Fort Rucker	103.9	WJRL-FM	Is silent
AL Selma	88.3	WAPR	Is silent
AZ Globe	91.9	KVJC	Is silent
AR Ratcliff	88.5	KXKY	Is silent
CA Firebaugh	90.1	K211DG	License cancelled; call deleted per licensee's request
CA Riverdale	98.3	KZLA	Changes City-of-License from Huron
CO Colorado Springs	107.1	KWIR-LP	License cancelled; call deleted per licensee's request
CO Craig	104.9	K285ED	License cancelled; call deleted per licensee's request
CO Crook	88.7	KOOW	Is silent
CO Hayden	92.5	K223BB	License cancelled; call deleted per licensee's request
CO Vail	103.7	K279BH	License cancelled; call deleted per licensee's request
CO Weldona	103.1	KFWA	Changes City-of-License from Limon
FL Gainesville	96.7	WERF-LP	Is silent
GA Helen	105.1	WNGA	Is silent
HI Kurtistown	102.7	KTBH-FM	Changes frequency from 102.1
HI Lihue	89.9	KIPL	Changes frequency from 90.1
ID Lewiston	89.3	K207DO	License cancelled; call deleted per licensee's request
KY Smiths Grove	91.1	WBFK	Is silent
MO Ravenswood	88.3	-----	CP for new station is cancelled
MO Vandalia	104.3	KKAC	Is silent
MT Miles City	88.3	KQQM	Changes frequency from 88.5
NE York	90.3	KEIS	Is silent
NH Derry	90.5	WYDI	Is silent
NM Gallup	88.5	K203ED	License cancelled; call deleted per licensee's request
OK Davis	95.7	KKAJ-FM	Changes City-of-License from Ardmore
OK Frederick	95.7	KYBE	Changes frequency from 95.9
OK Vici	90.5	KJZI	License cancelled; call deleted
OR Eugene	88.5	K203BT	License cancelled; call deleted per licensee's request
OR Redmond	100.3	K262BR	License cancelled; call deleted per licensee's request
PA McConnellsburg	88.7	WWCF	Is silent
PR Anasco	90.3	WVID	Fined \$8000 for failing to maintain a fully operational Emergency Alert System
PR Mayaguez	98.7	WUKQ-FM	Changes frequency from 99.1
PR Quebradillas	99.5	WIDI	Changes frequency from 98.3
SD Aberdeen	95.7	K239BD	License cancelled; call deleted
TN Friendsville	99.1	WNML-FM	Changes City-of-License from Loudon
TN Jefferson City	99.3	WNRX	Is silent
TN Johnsonville	89.9	WAYW	Is silent
TX Jacksboro	95.9	KFWR	Changes City-of-License from Mineral Wells
TX Scotland	95.5	KJKB	Changes City-of-License from Jacksboro
TX Trinity	89.7	KTYR	Is silent
WV Rozet	99.1	KLSX	Is silent
WA Cape George	89.1	K206DO	License cancelled; call deleted per licensee's request
WA Ocean Shores	102.1	KSWW	Changes city of license from Elma
WA Port Townsend	88.1	K201ET	License cancelled; call deleted per licensee's request
WA Union Gap	104.9	KYXE	Is silent
WY Cheyenne	88.5	K203DT	License cancelled; call deleted per licensee's request
WY Rozet	99.1	KLSX	Is silent

NEWS ITEM: FCC ACTS ON LPFM, TRANSLATORS

The FCC has passed more rules to help expand the low-power FM service. At the same time the commission has explained how it will treat the some 6,000 pending FM translator applications. It plans to open a filing window for new LPFMs on October 15, 2013. The agency bumped up the national cap on pending FM translator applications that one entity can pursue from 50 to 70, as long as no more than 50 are in the top 150 markets. It relaxed the local cap of one application per entity to up to three applications one company can pursue in more rural markets. The agency also relaxed the criteria for LPFMs seeking a waiver for second-adjacent channel spacing requirement in order to locate a new LPFM, something NAB and NPR had urged the commission to avoid except in very narrow circumstances. The agency is releasing mapping tools for LPFMs to help them find open channels, and for the first time, releasing the source code. The commission passed a compromise that adds a main studio requirement for LPFMs and retains the eight-hour-per-week program requirement. It did not act on the LP250 watt proposal. FCC Chairman Julius Genachowski said the decisions today will help the creation of “thousands” of local community stations and the decision allows LPFM and FM translator services to complement each other. The chairman revealed that he had been a nighttime DJ at his college station, who went by “The Midnight Rambler.” He pledged the commission would make the process of applying for an LPFM as easy as possible. The Prometheus Radio Project, which led the grassroots coalition that pushed Congress to pass the Local Community Radio Act of 2010, said the new rules will mean LPFMs can be located in urban areas for the first time. Prometheus urged those who want to apply for a station to start preparing now.

NEWS ITEM: ‘MaxxCasting’: Better FM Signal Coverage?

U.S. FM stations don’t have to wait for the FCC to act on the proposed “hyper-local” ZoneCasting concept in order to take advantage of some of its principles. That’s the message from suppliers Harris Broadcast and Geo-Broadcast Solutions, which are working together. As Radio World has reported, the companies earlier put forth a proposed system that would use multiple boosters to give FM stations the ability to divide their coverage areas into zones and to “geo-target” their ads and programs. Harris has a deal with GBS to use that ZoneCasting software and hardware in its Flexiva transmitters and Intraplex SynchroCast systems. Radio stations would have a natural interest in such targeting; but FCC approval would be required. Meantime the suppliers are highlighting an approach they say can be deployed now. “The MaxxCasting solution uses a network topology similar to the ZoneCasting architecture for targeted, over-the-air radio broadcasting, but instead focuses on simulcasting content to improve coverage,” they stated. “It can be deployed today under existing regulations, expanding market coverage in a more sensible and effective way than traditional signal booster technologies.” They quoted Peter Handy, CEO of GBS, saying, “We have discovered that adding boosters to simulcast across the typical ZoneCasting topology can help broadcasters improve coverage” and thus extend advertising opportunities. The companies believe their solution improves over existing booster approaches “by minimizing interference while filling in the gaps of a broadcaster’s market coverage — in many cases working in areas where conventional boosters were not successful.” Their argument, in short, is that the boosters can be installed now to maximize signal coverage, and also serve as an upgrade path to ZoneCasting and targeted content applications later.

NEWS ITEM: According to the FCC, there are 10,458 FM stations licensed by that agency. Less than half of that number, 4,738 to be exact, are licensed on the AM band.

Thanks to Shawn Axelrod, Ron Cesarek, Tim Noonan, Radio World Online and Upper Midwest Broadcasting for news.
If you hear any changes occur on your FM dial, share the news! 73



FM FACILITIES

FEBRUARY 2013

AF	Applied For (a new station)	PC	Power (and/or tower height) change on the air
Aux	Auxiliary (backup) transmitter	PG	Power change granted
CC	Callsign change	PR	Power change requested
CL	City-of-license change	RA	Returns to the air
DE	License/permit deleted	RE	Reinstated (previously-dismissed app.)
FC	Programming (format) change	ROA	Request of Applicant
FTP	Failure to Prosecute	SI	Off the air (silent)
LC	License to Cover	STA	Special Temporary Authority
NS	Permit granted for new station	XC	Transmitter site changed
NW	New station on the air	XG	Transmitter site change granted
PA	Proposed Amendment	XR	Transmitter site change requested

Changes:

STATE/PROV	FRE	CALLS	CHANGE
AB Wabasca	94.3	CHSL-FM-1	AF 6kw/62m, 55-58-52/113-49-22; to relay 92.7 Slave Lake
AK Anvik	89.5	NEW	NS 27w/57m, 62-38-58/160-11-34
AK Grayling	90.5	NEW	NS 50w/-71m, 62-54-22/160-03-50
AK Holy Cross	91.5	NEW	NS 50w/15m, 62-12-05/159-45-59
AK Shageluk	88.5	NEW	NS 50w/-9m, 62-39-20/159-31-49
AL Andalusia	89.3	WDWZ	NW 1.4kw/103m, 31-18-10/86-29-10 (B. Jordan Communications Corp.)
AL Boligee	107.3	WOZZ	PR>81m
AL Brantley	100.3	WAOQ	req. CL from Goshen
AL Maplesville	106.3	WLGD	CC from WVLV
AL Maplesville	106.3	WLGD	NW 6kw/51m, 32-42-22/86-52-51 (Valleydale Broadcasting)
AR Forrest City	91.5	KSIP	PG 5.5kw/104m
AR Forrest City	91.5	KSIP	PR 5.5kw/104m
AR Ozark	96.7	KCYT	CC from KDYN-FM
AZ Bullhead City	88.3	KMUR	CC for NS
AZ Doney Park	98.9	KZXX	PC>540w
AZ Peach Springs	100.9	NEW	PA, class A, proposes a Tribal Allotment -- the Hualapai Indians get first shot at this channel.
AZ Salome	90.1	NEW	NW 150w/-30m, 33-47-06/113-37-06 (Centro Cristiano Vida Abundante)
AZ Salome	90.1	WNGK	CC for NS (yes, a W call in Arizona)
AZ Spring Valley	102.1	KAHM	GA from Prescott, Class C
BN Tecate	95.3	XHHIT-FM	granted permission for IBOC
BN Tijuana	102.5	XHUAN-FM	granted permission for IBOC
BN Tijuana	107.3	XHFG-FM	granted permission for IBOC
BN Tijuana	90.3	XHITZ-FM	granted permission for IBOC
BN Tijuana	91.1	XETRA-FM	granted permission for IBOC
BN Tijuana	92.5	XHRM-FM	granted permission for IBOC
BN Tijuana	99.7	XHTY-FM	granted permission for IBOC
BS Bahia Tortugas	99.1	XHHIA-FM	NS 1.09kw (BCS govt.)
BS Cabo San Lucas	99.1	XHLUC-FM	NS 4.82kw (BCS govt.)
BS Cd. Constitucion	99.1	XHCON-FM	NS 2.19kw (BCS govt.)
BS Guerrero Negro	99.1	XHNEG-FM	NS 1.09kw (BCS govt.)
BS La Paz	99.1	XHBCP-FM	NS 4.82kw (BCS govt.)
BS Loreto	99.1	XHLOR-FM	NS 1.09kw (BCS govt.)
BS Santa Rosalia	99.1	XHSRB-FM	NS 2.19kw (BCS govt.)
CA Concow	100.3	KBJK	CC from KVXX
CA Lakeport	88.1	KPFZ-FM	PG>300w/655m
CA Mendocino	97.5	KUNK	QR from 92.7 (via 101.1 & 101.9...), 6kw/89m
CA Mendocino	97.5	KUNK	QG from 92.7 (via 101.1 & 101.9), 6kw/89m
CA Mount Shasta	88.1	KNSQ	PC 1.2kw/476m, 41-13-19/122-18-27
CA Red Bluff	90.9	KTHM	QG from 90.7, 6.8kw/412m, 40-15-31/122-05-20
CA Ridgecrest	89.3	KRSF	PG>4.8kw
CA Ridgecrest	90.5	KRSR	PG>451m
CA Santa Cruz	89.3	NEW	NS 55w/376m, 37-03-43/122-07-14 (Eschaton Foundation)
CA Scotts Valley	89.3	NEW	NS 72w/378m, 37-03-43/122-07-14 (CSN)
CA Thousand Oaks	92.7	KLSI	PR 1.4kw/212m, 34-09-53/118-54-08
CA Visalia	96.1	KSLK	PG 670w/300m, 36-17-10/119-05-15
CA Yucaipa	90.1	KLRD	NS 450w/537m, 34-14-05/117-08-23 (aux)
CH Cacahoatan	100.3	XHVDR-FM	NS 350w (cultural)
CH Tapachula	106.7	XHTPC-FM	NS 14kw (cultural)
CI Cd. Cuauhtemoc	89.7	XEDP	QG from 92.9
CI Cd. Cuauhtemoc	92.9	XEER	QG from 89.7
CI Cd. Juarez	100.7	XHH-FM	granted permission for IBOC
CI Cd. Juarez	105.9	XHGU-FM	granted permission for IBOC

CI Cd. Juarez	106.7	XHUAR-FM	granted permission for IBOC
CI Torreon	89.5	XHUCT-FM	NS 3kw (cultural)
CL Piedras Negras	94.5	XHTA-FM	granted permission for IBOC
CL Saltillo	88.9	XHAJ-FM	granted permission for IBOC
CO Craig	91.1	KCJN	CX ROA
CO Fowler	99.3	KPCR	PG>84kw/182m, 37-54-08/104-16-00
CO Genoa	106.1	KONK	NW 3.7kw/87m, 39-06-20/103-40-30 (United States CP)
CO Rock Creek Park	101.7	KXCL	PG>2.1kw/9m, 38-43-11/104-43-16
CO Weldona	103.1	KFWA	PC<25kw/46m, 40-14-44/103-55-29; CL from Limon
CO Woodland Park	89.5	KILE-FM	XR 38-59-49/105-02-46
CT Gifford	91.5	WGRS	PG 2.8kw/30m
CY Comala	102.1	XHOMA-FM	NS 3kw (cultural)
DC Washington	93.9	WKYS	NW 245w/209m (aux)
DF Mexico	103.3	XERFR-FM	granted permission for IBOC
DF Mexico	104.1	XEDF-FM	granted permission for IBOC
DF Mexico	90.5	XEDA-FM	granted permission for IBOC
DG Durango	106.9	XHUJED-FM	NS 3kw (cultural)
DG Gomez Palacio	88.7	XHLUAQ-FM	NS 1kw (cultural)
FL DeFuniak Springs	89.7	WHDR	CC for NS
FL Fort Lauderdale	103.5	WSHE-FM	NW 42kw/283m, 25-59-09/80-11-37 (aux)
FL Fort Lauderdale	105.9	WBGGM-FM	NW 35kw/283m, 25-59-09/80-11-37 (aux)
FL Fort Lauderdale	90.3	WYBP	PR>8kw/94m, 26-09-12/80-10-12
FL Gretna	93.3	WVFT	CC from WGWD
FL Indiantown	103.1	WIRK	NS 24.6kw/106m, 26-47-59/80-04-33 (aux)
FL Islamorada	89.3	WAZQ	PG<1kw/15m, 24-53-49/80-39-31
FL Jasper	91.7	WWJJ	PR<105w/23m, 30-31-01/82-56-53
FL Jensen Beach	102.3	WMBX	NS 24.5kw/106m, 26-47-59/80-04-33 (aux)
FL Miami Beach	93.9	WMIA-FM	NW 42kw/283m, 25-59-09/80-11-37 (aux)
FL Miami Beach	94.9	WMGE	NW 42kw/283m, 25-59-09/80-11-37 (aux)
FL Palm Bay	90.3	WEJF	PC>300w-H/30kw-V/147m
FL Palm Beach	97.9	WRMF	NS 23.7kw/106m, 26-47-59/80-04-33 (aux)
FL Panama City	107.9	WPFM-FM	PR 54kw/386m, 30-21-08/85-23-28
FL Port St. Joe	101.9	WVLQ	NW 3.3kw/138m, 30-00-20/85-20-36 (Thomas Hines)
FL West Palm Beach	107.9	WEAT	NS 25.3kw/106m, 26-47-59/80-04-33 (aux)
FL Yankeetown	96.7	WXOF	PC>14.5kw
GA Folkston	91.3	WATY	PG>23kw/96m
GA Folkston	91.3	WATY	PR>23kw/96m
GA Roswell	107.5	WAMJ	NW 8kw/181m, 33-55-01/84-12-06 (aux)
HI Hanamaulu	103.1	KSHK	PG<30m, 21-59-31/159-24-21
HI Kilauea	91.9	KAQA	PR>533m, 21-58-36/159-29-55
HI Lihue	89.9	KIPL	PG 1kw/539m, 21-58-41/159-29-55
HI Lihue	89.9	KIPL	PR<537m, 21-58-36/159-29-55
HI Lihue	89.9	KIPL	QG from 90.1, 1kw/537m, 21-58-36/159-29-55
HI Paia	102.9	KMKV	CC from KLZY
IA Hampton	104.9	KLMJ	PR 4.7kw/113m
IA Waterloo	105.7	KOKZ	PR<399m
ID Twin Falls	90.7	KCIR	PR<762m
ID Weiser	97.3	NEW	NS 25.4kw/503m, 44-25-53/117-14-54 (Tool Shed PDX)
IL Greenup	93.9	NEW	GA, class A, non-commercial. Had been dismissed, but FCC changed its mind.
IL Kankakee	92.7	WVLI	CC from WKIF
IL Kankakee	95.1	WKIF	CC from WVLI
IL Lee	88.5	WAED	CC for NS
IL Lee	88.5	WAED	NW 800w/49m, 41-44-37/88-56-03 (American Education Foundation)
IL Metropolis	98.3	WJLI	CC from WRIK-FM
IN Morristown	88.1	WJCF-FM	AF 29kw/33m, 39-47-08/85-45-48 (aux)
IN Rochester	92.1	WROI	PR>6kw/57m
JA Cd. Guzman	96.7	XHPZ-FM	granted permission for IBOC
JA Puerto Vallarta	100.7	XHFMS-FM	NS 3kw (cultural)
JA Puerto Vallarta	106.9	XHGAI-FM	NS 3kw (cultural)
KS Eureka	88.7	NEW	CX (Catholic Hour)
KY Grayson	99.7	WUGO	QG from 102.3
KY Lebanon Junction	99.3	WKMO	PG<92m, 37-44-39/85-48-49
KY Westwood	102.3	WWQB	QG from 99.7, 3.4kw/133m, 38-25-24/82-32-13
LA Baton Rouge	100.7	WTGE	PG>459m
LA Clinton	91.9	WWRA	PR>25kw/73m, 30-53-11/90-49-32
LA Kentwood	91.5	WPEF	PR>7.3kw
LA New Llano	98.3	NEW	NS 25kw/78m, 31-14-27/93-20-23 (James M. Lout)
MA East Harwich	98.7	WKFY	PR<3.2kw/47m
MA Edgartown	88.7	WMEX	PG>420w/96m, 41-26-16/70-36-51
MA Lynn	101.7	WEDX	CC from WHBA
MA Nantucket	97.7	WAZK	PG>6kw
MB Steinbach	107.7	NEW	AF 30kw/117m, country
MB Winkler	88.9	CKMW-FM	QG from 103.7, 100kw
MD Baltimore	106.5	WWMX	NW 13.5kw/225m, 39-20-05/76-39-03 (aux)
MD Baltimore	106.5	WWMX	PC 11kw/288m, 39-20-05/76-39-03
ME Bar Harbor	107.7	WBKA	CC from WBQI
ME Dennysville	102.9	WCRQ	PR<51kw
ME Portland	93.1	WGMX	NW 500w/60m, 43-39-48/70-16-17 (aux)
MI Constantine	88.5	WGCM	NW 15kw/108m, 41-53-51/85-33-51; CC from WGNC-FM (Christian Radio Friends)
MI Hastings	88.7	NEW	AF dismissed ROA (Saidnewsfoundation)
MI Homer	91.1	WJKZ	QR from 90.9, 2.45kw/77m, 42-09-51/84-54-04; CL from Hanover dismissed ROA
MI Midland	99.7	WUGN	PA from Class C to C0. (no actual change, WUGN is already below minimum Class C HAAT)

MN Cloquet	96.5	WKLK-FM	PR>36kw
MO Marshfield	91.9	KQOH	CC from KNLM
MO Ravenwood	88.3	NEW	CX (Catholic Hour)
MP Garapan	99.5	KPXP	PC 11.5kw/154m, 13-29-17/144-49-30
MT Billings	90.1	KBLW	PG>1.6kw
MT East Helena	104.1	KHKR-FM	NS 400w/-83m, 46-35-13/112-02-14 (aux)
MT East Helena	104.1	KHKR-FM	PG>207m, 46-46-06/112-01-22
MT East Helena	104.1	KHKR-FM	PR>207m, 46-46-06/112-01-22
MT Helena	99.5	KBLL-FM	NS 400w/-83m, 46-35-13/112-02-14 (aux)
MT Miles City	88.3	KQQM	CC for NS
MT Miles City	88.3	NEW	PG 4kw/170m, 46-24-30/105-39-48
NC Burlington	101.1	WYMY	CC from WZTK
NC Goldsboro	96.9	WBZJ	CC from WYMY
NC Murphy	88.5	WMQS	PR<49w/196m, 35-07-37/84-01-35
NC Pilot Mountain	89.7	WGIW	PR>1.7kw/118m, 36-25-27/80-37-51
NC Wilmington	101.3	WWQQ-FM	PG<18kw/165m, 34-05-52/77-58-18
NC Wilmington	90.5	WWIL-FM	PG 4kw/189m, 34-14-37/78-07-24
ND Berthold	100.7	KNDL	PR<51.8kw/208m, 48-03-14/101-26-03
NE Alliance	102.3	KPNY	QR from 102.1, 456m, 41-50-28/103-04-27 amend
NE Emerson	104.9	KCTY	PR<87m
NH Derry	90.5	WYDI	NW 600w/82m, 42-53-10/71-20-26 (Horizon Christian Fellowship)
NH Laconia	98.3	WLNH-FM	PC 700w/547m, 43-31-01/71-22-09
NH Meredith	101.5	WZEI	CC from WWHQ
NH Walpole	96.3	WFYX	PG>600w
NL Red Rocks	96.9	CKSS-FM	CX
NM Alamogordo	91.7	KUPR	FC; sold to Educational Media Foundation
NM Milan	100.7	KXXQ	PG<45kw/412m, 35-10-57/107-36-13 CX ROA; remains 100kw/415m at old site
NM Milan	101.9	KZNM	NW 120w/9m, 35-07-09/107-54-08 (Cochise Media Licenses)
NM Milan	101.9	KZNM	PG>26kw/61m, 35-04-12/107-46-49
NM Taos	93.5	KTGJ	CC for NS
NV Fernley	107.3	KNEZ	NW 16kw/293m, 39-54-46/118-55-18 (aux)
NV Las Vegas	91.5	KUNV	PR>12kw/588m, 35-56-45/115-02-35 dismissed
NV Winnemucca	102.7	KQGD	PR>800w/655m, 41-00-41/117-45-58; CL from Elko
NY Buffalo	94.5	WNED-FM	PC 96kw/221m
NY Greene	88.1	WSQN	CC from WWSA
NY Greene	88.1	WWSA	NW 900w/174m, 42-26-13/75-30-50 (St. Anthony of Padua Roman Catholic Parish)
NY Liberty	88.1	WGWR	PG>350w
OH Chillicothe	90.1	WOHC	PC>7kw
OH Columbus	89.7	WOSU-FM	NS 5.9kw/101m (aux)
OH Columbus	90.5	WCBE	XR 39-57-44/83-00-08
OH Cridersville	99.3	WVLO	NW 115w/256m, 40-38-03/84-12-29 (Educational Media Foundation)
OH Grove City	88.1	WWGV	PG>7kw CX ROA, going for 6.7kw at new site 39-46-56/82-49-39 instead
OH North Madison	93.7	WQGR	PG>79m, 41-44-49/81-04-49
OH Urbana	102.9	WDHT	AF 4.5kw/130m (aux) (amendment from 4.61kw/117m)
OH West Union	89.5	WZWP	PG>3kw/174m
OK Altus	107.9	KEYB	PG>100kw/148m
OK Broken Bow	104.9	KIBE	CC for NS
OK Davis	95.7	KKAJ-FM	PC<50kw/140m, 34-23-50/96-55-17; CL from Ardmore
OK Frederick	95.7	KYBE	PC>25kw/100m, 34-24-53/99-14-48
OK Mooreland	106.1	KXJI	CC for NS (KXJI in the Public Notice, KXIJ in the CDBS database)
OK Red Oak	93.1	KWLB	CC for NS
OK Wynnewood	104.5	NEW	AF 6kw/90m, 34-42-42/97-16-00 (Norman Unitarian Universalist Fellowship); competing application dismissed (Wynnewood Community Radio Assn.)
ON Barrie	106.7	CFRH-FM-1	AF 175w/86m, 44-24-15/79-42-25; to relay Penetanguishene
ON Erin	88.1	CHES-FM	PR>1.25kw
ON Prince Edward Co.	92.3	NEW	AF 3kw/71m, English community st.
ON Toronto	88.1	CIND-FM	PR>4kw/281m
OR Aloha	97.9	KNRQ-FM	PC<52kw/387m, 45-29-20/122-41-40; CL from Eugene
OR Aloha	97.9	KNRQ-FM	PG<10kw/470m, 45-31-21/122-44-45; CL from Eugene CX ROA; superceded by application for 52kw/387m at different Portland-area site.
OR Gleneden Beach	88.1	KQOC	PC 6.5kw/317m
OR Molalla	105.1	KRSK	NS 10kw/376m (aux)
OR Pilot Rock	90.5	KBLU-FM	PG<100w/-217m, 45-22-04/118-52-13
OX Magdalena Ocotlan de Morelos	92.1	XHOJF-FM	NS 3kw (municipal)
OX Salina Cruz	96.3	XHSCO-FM	granted permission for IBOC
PA Allport	90.5	WRPV	NW 99w/80m, 40-56-29/78-16-14
PA Cambridge Springs	89.9	WCGF	PG>25kw/150m, 41-49-26/80-10-24
PA Easton	90.5	WPNJ	NW 750w/-16m, 40-43-29/75-15-30
PA Eldred	103.9	WBYB	PR>1.2kw/225m, 41-48-36/78-23-10; CL from Kane
PA Oil City	88.3	WQHE	NW 3.6kw/105m, 41-32-35/79-41-33
PA State College	88.3	WKDN-FM	CC from WKDN
PA Tidioute	89.1	WGIP	NW 100w/-126m, 41-40-59/79-24-25 (CSN)
PA Tidioute	89.1	WGIP	NW 100w/-126m, 41-40-59/79-24-25 (CSN)
MN Fairmont	88.1	KRLP	PG>2.7kw/122m, 43-37-27/94-30-42 CX ROA; to remain 40w/118m at old site
PR Mayaguez	98.7	WUQK-FM	QC from 99.1
PU Chignahuapan	104.3	XHCHP-FM	NS 3kw (cultural)
PU Tehuacan	93.9	XHTEE-FM	NS 3kw (cultural)
QC Murdochville	97.7	CBGA-6	QR from 1270 AM, 98w/367m, 48-57-56/65-28-40; relays CBGA-FM 102.1
QC Murdochville	99.5	CBMJ	QR from 750 AM, 98w/367m, 48-57-56/65-28-40; relays CBVE-FM 104.7
QR Cancun	107.5	XHCAN-FM	NS 3kw
QR Cancun	99.3	XHCQR-FM	NS 3kw (cultural)
QR Playa del Carmen	106.3	XHLAYA-FM	NS 3kw (cultural)

CA Mendocino	97.5	KUNK	QG from 92.7 (via 101.1 & 101.9), 6kw/89m
SC Pendleton	95.9	WLTE	PR>6kw/95m, 34-37-14/82-41-52
SN Culiacan	90.3	XHFCS-FM	NS 15kw (cultural)
SN Los Mochis	92.5	XHLMS-FM	NS 10kw (Sinaloa govt.)
SN Mazatlan	106.7	XHTLAN-FM	NS 3kw (cultural)
SN Mazatlan	93.9	XHMZS-FM	NS 10kw (Sinaloa govt.)
SO Cananea	102.3	XHTSC-FM	NS 3kw (cultural)
SO Nogales	104.3	XHAZE-FM	granted permission for IBOC
TB Jonuta	106.9	XHJON-FM	NS 30kw (Tabasco govt.)
TB La Venta	90.5	XHVET-FM	NS 25kw (Tabasco govt.)
TB Tenosique	102.9	XHTQE-FM	NS 15kw (Tabasco govt.)
TM Nuevo Laredo	91.3	XHNOE-FM	granted permission for IBOC
TM Nuevo Laredo	99.3	XHNK-FM	granted permission for IBOC
TM Valle Hermoso	89.5	XHRV-FM	granted permission for IBOC
TN Byrdstown	98.9	WVLV	CC for NS
TN Friendsville	99.1	WNML-FM	PC<93m, 35-42-42/84-01-21; CL from Loudon
TN Jefferson City	99.3	WNRX	PC<200w
TX Alpine	90.3	KBAL-FM	NW 1kw/-72m, 30-21-58/103-38-26 (RV Ministries)
TX Alpine	91.7	KRTP	PR>1.4kw/93m, 30-19-09/103-37-04
TX Bellmead	104.9	KWBT	PG 6kw/100m, 31-32-15/97-05-32
TX Benavides	94.3	NEW	PA from 104.3, Class A
TX Brownfield	104.3	KTTU-FM	NW 700w/195m, 33-30-08/101-52-20 (aux)
TX Burnet	95.9	NEW	AF dismissed (Penfold Communications)
TX Cooper	93.5	KIKT	PG>12.5kw/119m, 33-13-16/95-41-20; CL from Greenville
TX Corpus Christi	88.7	KKLM	PG>13kw
TX Crockett	93.5	KBPC	CC from KBHT
TX Dallas	90.9	KCBI	PR 82kw/508m, 32-35-19/96-58-05
TX Goree	107.5	NEW	CX (permit expired Dec. 14th)
TX Greenwood	89.1	KSHJ-FM	CC for NS
TX Hebronville	104.3	NEW	GA from 94.3, Class A
TX Hico	107.7	KTAE	CC from KHHG
TX Jacksboro	95.9	KFWR	PC>100kw/425m, 33-04-14/98-00-34
TX Leander	98.9	KUTX	CC from KXBT
TX New Waverly	91.1	KNLY	PG 15kw/72m
TX Palacios	91.3	NEW	PG 1kw/21m, 28-42-33/96-08-17
TX Palacios	91.3	NEW	PR 1kw/21m, 28-42-33/96-08-17 dismissed; remains 500w/42m at old site
TX Palacios	91.3	NEW	PR>1kw reinstated
TX Rankin	93.7	KXFS	CC for NS
TX Roscoe	93.5	NEW	NS 6kw/96m, 32-30-02/100-39-12 (Joseph Episcopo)
TX Scotland	95.5	KJKB	PC>19kw/115m, 33-41-04/98-36-46
TX Smiley	90.3	KSXT	CC for NS
TX Snyder	89.9	KTPR	CC for NS
TX Somerville	88.1	KXBT	CC from KUTX
TX Spur	98.7	KSPU	NW 6kw/99m, 33-28-07/100-51-15
TX Tatum	91.5	KHJA	CC for NS
TX Trinity	89.7	KTYR	NW 100kw/179m, 31-03-58/95-31-35 (Aleluya Broadcasting Network)
TX Victoria	95.1	KVIC	PR>13kw
UT Glendale	90.5	NEW	NW 450w/-236m, 37-16-16/112-39-02
UT Glendale	90.5	NEW	PR>40kw/545m, 37-17-45/112-50-34
UT Glendale	90.5	NEW	QG from 90.9, 450w/-236m, 37-16-16/112-39-02
UT La Verkin	102.3	KCDC	PG>13kw/1033m, 37-09-12/113-52-49; CL from Milford
VA Big Island	103.9	WHTU	CC from WXCF-FM
VA Manassas	106.7	WJFK-FM	PG<20kw
VC Alamo	90.7	XHALAM-FM	NS 2.9kw (cultural)
VC Banderilla	95.5	XHTP-FM	granted permission for IBOC
VC Papantla	90.3	XHPAPA-FM	NS 2.88kw (cultural)
VC Tlacotalpan	93.7	XHTLAC-FM	NS 2.9kw (cultural)
WA Aberdeen	104.7	KDUX-FM	AF 40w/117m, 46-55-55/123-44-04 (aux)
WA Bellingham	89.3	KUGS	PC>950w/101m
WA Chinook	94.3	KRKZ-FM	PG<1.5kw/14m, 46-19-05/124-02-40
WA Cosmopolis	107.3	KLSY	QG from 107.9, 4.1kw/122m, 46-56-00/123-43-57
WA Ellensburg	88.1	KCWU	PC<430w/-92m, 47-00-10/120-32-13
WA Hoquiam	95.3	KXXX	AF 40w/117m (aux)
WA Montesano	93.7	KANY	PR>32kw/679m, 47-18-46/123-22-15
WA Moses Lake	100.3	KWIQ-FM	NS 690w/41m, 47-09-48/119-21-37 (aux)
WA Moses Lake	100.5	KWIQ-FM	QR from 100.3, 50kw/50m
WA Pullman	89.9	KMRW	PR 300w/246m, 46-38-03/117-05-22 dismissed
WA Seattle	101.5	KPLZ-FM	AF 67kw/385m (aux)
WA Seattle	101.5	KPLZ-FM	PC<372m
WA Walla Walla	89.7	KWWS	PG>10.3kw/418m
WA White Salmon	89.3	KBNO-FM	FC; sold to Educational Media Foundation
WI Minocqua	88.7	WQMN	CC for NS
WV Charleston	97.5	WQBE-FM	AF 1.37kw/65m, 38-21-26/81-40-05 (aux)
WV Parkersburg	103.1	WHBR-FM	PG 3.8kw/127m, 39-14-47/81-28-19
WY Fort Washakie	90.9	KUWW	CC from KFTW
WY Jackson	93.5	KJAX	PC<90kw/315m
ZA Fresnillo	106.1	XHRRR-FM	NS 3kw (cultural)
ZA Jalpa	95.1	XHJRS-FM	NS 3kw (cultural)
ZA Jerez	90.7	XHJRZ-FM	NS 3kw (cultural)

DTV SECOND CHANNELS IN MEXICO

D. Smith 2013-01-16

As in the U.S., the Mexican government agency COFETEL is assigning second channels to the country's TV stations for temporary DTV simulcasts. As in the U.S., after transition each station will be required to choose which channel its permanent DTV facility will use – its current analog channel, or the new digital channel. This list is not complete.

State abbreviations are same as in the *FM Atlas*.

Here goes:

Location	DTV ch.	Calls	ERP (kw)	N	W	Analog ch.
AG Aguascalientes	32	XHAGU-TDT	20	21-39-36	102-13-39	2
AG Aguascalientes	35	XHAG-TDT	20	21-39-36	102-13-39	13
AG Calvillo	38	XHCVO-TDT	4.23	21-51-29	102-42-46	11
BN Ensenada	16	XHENE-TDT	29.3	31-52-25	116-37-51	13
BN Ensenada	20	XHENT-TDT	29.14	31-52-25	116-37-51	2
BN Guerrero Negro	24	XHGNB-TDT	0.89	27-57-21	114-03-02	8
BN San Felipe	21	XHFEC-TDT	1.02	31-01-10	114-50-24	2
BN Tecate	47	XHDTV-TDT	300	32-18-49	116-39-53	49
BN Tijuana	46	XHTJB-TDT	78.96	32-28-27	116-53-49	3
BS Bahia Asuncion	27	XHBAB-TDT	1.06	27-08-38	114-18-20	12
BS Bahia de Tortugas	21	XHBTB-TDT	0.92	27-41-20	114-53-55	12
BS Cd. Constitucion	26	XHCCB-TDT	7.29	25-01-47	111-40-11	6
BS Cd. Constitucion	27	XHCOC-TDT	7.28	25-01-46	111-40-08	7
BS Isla de Cedros		XHIDC-TDT	0.94	28-06-34	115-10-33	7
BS La Paz	21	XHAPB-TDT	29.78	24-09-32	110-17-56	6
BS La Paz	25	XHPBC-TDT	29.63	24-09-32	110-17-56	12
BS San Ignacio	22	XHSIB-TDT	1.08	27-16-44	112-53-34	11
BS San Isidro	21	XHSIS-TDT	0.92	26-12-15	112-02-17	13
BS San Jose del Cabo	24	XHJCC-TDT	13.53	23-03-26	109-41-53	5
BS San Jose del Cabo	26	XHSJC-TDT	13.5	23-03-26	109-41-53	8
BS Santa Rosalia	24	XHSRB-TDT	1.13	27-19-47	112-16-10	10
CE Campeche	24	XHCAM-TDT	20.46	19-49-02	90-34-46	2
CE Campeche	29	XHGE-TDT	20.33	19-49-02	90-34-46	5
CE Escarcega	27	XHECA-TDT	7.27	18-36-39	90-45-56	7
CE Escarcega	29	XHPEH-TDT	7.23	18-36-39	90-45-56	9
CH Arriaga	27	XHOMC-TDT	5	16-14-20	93-53-43	6
CH Comitan	30	XHCOM-TDT	4.5	16-15-33	92-09-05	8
CH Comitan	35	XHDZ-TDT	4.48	16-15-33	92-09-05	12
CH Motozintla	25	XHMCH-TDT	5.35	15-22-04	92-14-56	6
CH San Cristobal de las Casas	36	XHDY-TDT	160	16-43-59	92-45-40	5
CH San Cristobal de las Casas	39	XHCSA-TDT	46.29	16-44-12	92-41-19	2
CH San Cristobal de las Casas	42	XHAO-TDT	46.1	16-44-12	92-41-19	4
CH Tapachula	28	XHCK-TDT	80	14-53-15	92-17-03	4
CH Tapachula	30	XHTAP-TDT	51.44	14-55-00	92-15-26	13
CH Tapachula	36	XHJU-TDT	51.08	14-55-00	92-15-26	11
CH Tonalá	30	XHTON-TDT	4.21	16-05-54	93-45-58	10
CI Cd. Camargo	21	XHCGJ-TDT	4.08	27-40-20	105-10-54	6
CI Cd. Jimenez	24	XHJCH-TDT	1.3	27-08-33	104-54-00	10
CI Cd. Juarez	33	XHJUB-TDT	50	31-42-35	106-29-38	56
CI Cd. Juarez	41	XHJCI-TDT	50	31-42-35	106-29-38	32
CI Cd. Juarez	45	XHIJ-TDT	20.212	31-42-16	106-29-55	44
CI Cd. Juarez	50	XEJ-TDT	10	31-40-18	106-31-08	5
CI Chihuahua	21	XHECH-TDT	44.43	28-38-49	106-03-01	11
CI Chihuahua	22	XHCH-TDT	51.47	28-38-49	106-03-01	2
CI Chihuahua	23	XHIT-TDT	51.41	28-38-49	106-03-01	4
CI Hidalgo del Parral	22	XHHDP-TDT	9.03	26-54-56	105-39-45	9
CI Hidalgo del Parral	25	XHHPC-TDT	8.97	26-54-56	105-29-45	5
CI Nuevo Casas Grandes	24	XHCGC-TDT	9.63	30-24-18	107-54-17	8
CI Parras de la Fuente	28	XHPFE-TDT	10.93	25-26-06	102-11-03	12
CI Parras de la Fuente	29	XHPFC-TDT	10.92	25-26-06	102-11-03	7
CL Cd. Acuna	25	XHHE-TDT	4.21	29-19-08	100-56-22	7
CL Monclova	24	XHHC-TDT	11.69	26-51-00	101-24-38	9
CL Monclova	27	XHMLA-TDT	11.66	26-51-00	101-24-38	11
CL Piedras Negras	32	XHPNG-TDT	16.33	28-41-10	100-33-01	46
CL Sabinas	26	XHCJ-TDT	9.98	27-50-28	101-07-51	4
CL Saltillo	33	XHLLO-TDT	8.74	25-24-42	101-00-08	44
CL Torreon	35	XELN-TDT	18	25-33-25	103-27-05	4
CY Colima	40	XHCOL-TDT	24.25	19-32-03	103-31-27	3
CY Colima	43	XHKF-TDT	24.14	19-32-03	103-31-27	9
CY Manzanillo	21	XHDR-TDT	10.47	19-03-07	104-18-24	2
CY Manzanillo	39	XHNCI-TDT	10.12	19-03-07	104-18-24	4
CY Tecoman	22	XHTCA-TDT	4.56	18-54-34	103-52-48	2
CY Tecoman	50	XHTCO-TDT	4.29	18-54-34	103-52-48	11
DF Mexico	33	XEIPN-TDT	104.05	19-31-59	99-07-51	11
DG Cuencame	22	XHVEL-TDT	4.57	24-51-57	103-42-02	7
DG Durango	26	XHDB-TDT	12.83	24-01-16	104-40-58	7
DG Durango	32	XHDRG-TDT	12.7	24-01-16	104-40-58	2
DG Gomez Palacio	39	XHGDP-TDT	188.17	25-31-31	103-27-18	13
DG Gomez Palacio	43	XHGZP-TDT	187.38	25-31-31	103-27-18	6
DG Guadalupe Victoria	45	XHGVH-TDT	4.83	24-21-59	104-18-48	8
DG San Pedro	25	XHSPC-TDT	5.09	24-21-59	104-18-48	13
DG Santiago Papasquiaro	27	XHPAP-TDT	1.79	25-04-10	105-18-56	4
GR Acapulco	22	XHACZ-TDT	15	16-52-23	99-50-59	12

GR Acapulco	23	XHAL-TDT	15	16-52-23	99-50-59	4
GR Acapulco	32	XHAP-TDT	15	16-52-23	99-50-59	2
GR Acapulco	45	XHACC-TDT	36.6	16-52-25	99-50-56	6
GR Acapulco	48	XHIE-TDT	36.48	16-52-25	99-50-56	10
GR Chilpancingo	24	XHCER-TDT	17.66	17-33-57	99-27-56	5
GR Chilpancingo	28	XHCHL-TDT	17.58	17-33-57	99-27-56	9
GR Iguala	41	XHIR-TDT	6.19	18-23-18	99-28-22	2
GR Iguala	44	XHTUX-TDT	6.16	18-23-18	99-28-22	5
GR Taxco	23	XHIB-TDT	7.18	18-33-00	99-36-48	4
GR Zihuatanejo	22	XHDU-TDT	42.68	17-38-53	101-34-54	5
GR Zihuatanejo	25	XHIXZ-TDT	42.59	17-38-53	101-34-54	10
GT Celaya	20	XHOPCE-TDT	14.74	20-20-20	100-58-08	28
GT Leon	34	XHOPLA-TDT	39.02	21-09-39	101-42-57	38
GT Leon	47	XHLEG-TDT	16	21-00-49	101-21-45	4
HD Pachuca	36	XHPHG-TDT	3.97	20-06-24	98-44-16	6
HD San Nicolas Jacala	23	XHAFC-TDT	1.07	20-56-53	99-09-44	12
HD Tulancingo	46	XHTGN-TDT	9.99	20-03-30	98-26-09	12
JA Guadalajara	22	XHGUE-TDT	70	20-35-58	103-21-53	21
JA Guadalajara	35	XEDK-TDT	38	20-35-58	103-21-53	5
JA Guadalajara	40	XHGJG-TDT	115.81	20-35-57	103-21-56	7
JA Puerto Vallarta	23	XHPVJ-TDT	18.42	20-36-35	105-13-36	7
JA Puerto Vallarta	25	XHGJ-TDT	19.27	20-36-35	105-13-36	2
MC Alitzomoni	36	XHTM-TDT	45	19-03-17	98-13-32	10
MC Alitzomoni	42	XEX-TDT	45	19-03-17	98-13-32	8
MC Alitzomoni	47	XHATZ-TDT	45	19-03-17	98-13-32	32
MH Lazaro Cardenas	26	XHLCM-TDT	9.18	17-57-42	102-12-06	7
MH Morelia	32	XHBUR-TDT	257.89	19-43-19	101-16-14	39
MH Morelia	43	XHKW-TDT	47.2	19-41-48	101-10-17	10
MH Morelia	44	XHOPMO-TDT	10.93	19-43-05	101-16-25	45
MH Morelia	47	XHFX-TDT	47.2	19-41-48	101-10-17	4
MH Patzcuaro	24	XHCBM-TDT	66.42	19-26-02	101-30-43	8
MH Uruapan	27	XHBG-TDT	250	19-26-20	101-30-41	13
MH Zamora	23	XHRAM-TDT	30.85	19-56-56	102-17-52	48
MH Zitacuaro	46	XHTCM-TDT	16.21	19-26-43	100-20-31	23
MR Cuernavaca	27	XHCUR-TDT	239.83	19-03-31	99-13-03	13
MR Cuernavaca	38	XHCUM-TDT	20	18-59-09	99-15-34	11
MR Cuernavaca	43	XHCUV-TDT	238.21	19-03-31	99-13-03	28
NA Tepic	30	XHAF-TDT	24	21-32-03	104-54-37	11
NA Tepic	31	XHLBN-TDT	23.97	21-32-03	104-54-37	8
NL Monterrey	25	XHAW-TDT	12.5	25-38-30	100-07-49	12
NL Monterrey	44	XHMOY-TDT	45	25-37-52	100-14-04	22
NL Monterrey	45	XEFB-TDT	45	25-37-52	100-14-04	2
NL Monterrey	51	XHOPMT-TDT	47			47
OX Huajuapán de León	31	XHHLO-TDT	16	17-51-16	97-49-41	5
OX Huajuapán de León	31	XHHDL-TDT	5.37	17-51-14	97-49-39	7
OX Huajuapán de León	33	XHJN-TDT	5.36	17-51-14	97-49-39	9
OX Lagunas	25	XHIG-TDT	48.21	16-44-28	95-05-36	12
OX Matias Romero	30	XHPSO-TDT	47.63	16-44-28	95-05-36	4
OX Oaxaca	26	XHDG-TDT	58	17-04-12	96-43-59	11
OX Oaxaca	27	XHOXX-TDT	57.91	17-04-12	96-43-59	11
OX Oaxaca	35	XHOPOA-TDT	18.14	17-04-11	96-43-55	2
OX Pinotepa Nacional	24	XHINC-TDT	4.41	16-19-53	98-03-20	8
OX Puerto Escondido	23	XHJP-TDT	8.39	15-51-10	97-02-55	11
OX Salina Cruz	46	XHSCO-TDT	3.33	16-11-19	95-11-53	7
OX San Miguel Tlacotepec	48	XHSMT-TDT	1.09	17-27-44	98-01-03	11
PU Puebla	29	XHP-TDT	45	19-03-17	98-13-32	3
PU Puebla	30	XHOPPA-TDT	31.94	19-04-28	98-20-49	38
PU Tehuacan	28	XHTHN-TDT	17.36	18-27-41	97-25-43	11
QR Cancun	28	XHCCQ-TDT	38.74	21-09-15	86-49-22	11
QR Chetumal	23	XHBX-TDT	8.54	18-29-57	88-17-41	12
QR Chetumal	26	XHCOO-TDT	8.52	18-29-57	88-17-41	9
QT Queretaro	29	XEZ-TDT	45	20-31-43	100-21-32	3
QT Queretaro	32	XHZ-TDT	45	20-31-43	100-21-32	5
QT Queretaro	40	XHQZ-TDT	45	20-31-43	100-21-32	21
SL Cd. Valles	27	XHKD-TDT	10.13	21-58-44	98-54-31	11
SL Matehuala	22	XHCDI-TDT	4.48	23-39-16	100-39-18	12
SL Matehuala	26	XHPMS-TDT	4.44	23-39-16	100-39-18	5
SL San Luis Potosi	22	XHCLP-TDT	44.39	22-03-54	100-38-58	6
SL San Luis Potosi	28	XHDD-TDT	43.42	22-03-54	100-38-58	11
SL Tamazunchale	21	XHTAZ-TDT	5.06	21-15-45	98-47-10	12
SL Tamazunchale	24	XHTZL-TDT	5.05	21-15-45	98-47-10	2
SN Culiacan	24	XHCUI-TDT	15	24-47-25	107-22-47	22
SN Culiacan	30	XHQ-TDT	120	24-47-25	107-22-47	3
SN Culiacan	32	XHCUA-TDT	36.7	24-46-58	107-22-52	9
SN Culiacan	35	XHDO-TDT	36.52	24-46-58	107-22-52	11
SN Los Mochis	25	XHBS-TDT	15	25-48-32	108-58-04	4
SN Los Mochis	27	XHMSI-TDT	45.49	25-48-30	108-58-06	11
SN Los Mochis	31	XHMIS-TDT	45.21	25-48-30	108-58-05	7
SN Mazatlan	23	XHMZ-TDT	100	23-12-04	106-25-37	7
SN Mazatlan	31	XHDL-TDT	38.52	23-12-03	106-25-39	10
SN Mazatlan	34	XHLSI-TDT	38.31	23-12-03	106-25-39	6
SO Cananea	25	XHCAN-TDT	5.11	30-58-37	110-18-18	4
SO Cd. Obregon	32	XHI-TDT	125	27-28-00	109-46-33	2
SO Cd. Obregon	33	XHCSO-TDT	38.46	27-26-54	109-46-42	6
SO Cd. Obregon	35	XHBK-TDT	45.75	27-26-54	109-46-42	10
SO Guaymas	21	XHHN-TDT	12.34	27-56-30	110-54-16	9

SO Hermosillo	24	XHHO-TDT	39.43	29-04-22	110-56-59	10
SO Hermosillo	27	XHOPHA-TDT	43.8	29-03-41	110-56-34	35
SO Hermosillo	30	XHHSS-TDT	38.95	29-04-22	110-56-59	4
SO Nogales	15	XHFA-TDT	77.34	31-18-07	110-56-28	2
SO Nogales	24	XHNOA-TDT	76.82	31-18-07	110-56-28	22
SO Puerto Penasco	21	XHPPS-TDT	1.82	31-19-32	113-31-32	7
TB La Venta	33	XHLAV-TDT	0.97	18-04-24	94-02-26	9
TB Tenosique	26	XHTOE-TDT	55	17-24-44	91-29-32	12
TB Villahermosa	30	XHTVL-TDT	160	17-57-17	92-56-57	9
TM Cd. Mante	23	XHBY-TDT	8.45	22-43-58	98-58-00	5
TM Cd. Victoria	24	XHCVT-TDT	17.08	23-43-04	99-08-49	3
TM Cd. Victoria	29	XHCDT-TDT	16.92	23-43-04	99-08-49	9
TM Cd. Victoria	50	XHVTU-TDT	20	23-43-10	99-08-46	7
TM Reynosa	28	XHTAM-TDT	44	25-56-36	97-50-57	17
TM San Fernando	21	XHFET-TDT	0.9	24-51-29	98-09-02	3
TM Soto La Marina	28	XHHP-TDT	5.09	23-45-56	98-12-30	3
TM Tampico	21	XHTAU-TDT	30.54	22-15-09	97-51-15	2
TM Tampico	47	XHTAO-TDT	12.5	22-19-38	97-51-54	6
VC Cerro Azul	32	XHAZL-TDT	4.5	21-11-27	97-45-08	2
VC Coatzacoalcos	24	XHCV-TDT	15	18-08-09	94-26-23	2
VC Coatzacoalcos	27	XHCOV-TDT	15	18-08-09	94-26-23	4
VC Santiago Tuxtla	32	XHSTE-TDT	15.18	18-27-20	95-20-58	10
VC Santiago Tuxtla	33	XHSTV-TDT	15.16	18-27-20	95-20-58	8
VC Veracruz	24	XHFM-TDT	45	19-07-21	96-06-44	2
VC Veracruz	35	XHOPXA-TDT	64.35	19-35-30	97-05-39	34
VC Veracruz	39	XHAH-TDT	45	19-07-21	96-06-44	7
VC Veracruz	41	XHAI-TDT	45	19-07-21	96-06-44	9
VC Veracruz	45	XHCLV-TDT	45	19-07-21	96-06-44	22
VC Veracruz	49	XHAJ-TDT	45	19-35-22	97-05-32	5
VC Veracruz	50	XHGV-TDT	247.18	19-35-28	97-05-32	4
YU Merida	23	XHOPME-TDT	33.6	20-55-57	89-34-43	5
YU Merida	31	XHDH-TDT	97.952	20-58-32	89-36-32	11
YU Merida	33	XHMEY-TDT	97.708	20-58-32	89-36-32	7
YU Valladolid	23	XHKYU-TDT	4.76	20-42-11	88-12-09	4
YU Valladolid	24	XHVAD-TDT	4.75	20-42-11	88-12-09	10
ZA Fresnillo	34	XHKC-TDT	9.53	23-08-44	102-50-07	12
ZA Sombrete	27	XHCPZ-TDT	9.13	23-40-38	103-47-05	11
ZA Zacatecas	41	XHZAT-TDT	15	22-44-15	102-33-19	13
ZA Zacatecas	43	XHBQ-TDT	15	22-44-15	102-33-19	3

OH NO, WHAT ABOUT CANADA!

Broadcast Engineering - Phil Kurz 01-03-13

Three Congressmen representing districts in the state of Washington called on Julius Genachowski, chairman of the FCC, to commit the agency to maintaining transparency as it develops a new TV band plan as part of its incentive auction process and to protect viewers in their state from the loss of TV coverage.

In a Dec. 21 letter to the chairman, Reps. Jim McDermott (D-WA), Adam Smith (D-WA) and Norm Dicks (D-WA) reminded the chairman that the United States and Canada are bound by treaty to coordinate channel assignments with each other to protect OTA reception by viewers in both nations.

That obligation puts many stations serving Seattle, Tacoma and Spokane at risk in a repack. "This means that when TV channels in Washington State are moved to clear a spectrum band for auction to cell phone companies, there will be fewer places to relocate them because the Canadians have rights to a number of the border channels," the letter said.

The letter explained that up to 14 full-power TV stations in Washington could have no place to move when repacking of the band happens. As a result, "they could be forced to cut power and lose viewers," it said.

The Congressmen, who voted for the Middle-class Tax Relief and Job Creation Act of 2012, which authorized the incentive auction and repacking of TV spectrum, said that requiring TV broadcasters to cut power "could be harmful for the stations and the people who invest in them," as well as be "devastating to the hundreds of thousands of people that rely on free, over the air television."

In addition to maintaining transparency, the members of Congress asked Genachowski to give stakeholders the chance to review and comment on the agency's new band plan before it's adopted. They also requested the agency to disclose on an ongoing basis "the nature of contacts it or its staff may have with Canadian authorities" about the repack.

The three also requested the FCC to "work closely with the Washington State Broadcasters Association and the National Association of Broadcasters" as the agency moves forward with the repack.

Although acknowledging that freeing up spectrum for wireless service is "an important policy objective," which they supported, the Congressmen said achieving that goal cannot be achieved by cutting off those living along the northern border with access to free OTA television.

"Depriving these citizens of access to local television programming would do them an enormous disservice and undermine the trust that Congress placed in the commission when it passed the statute earlier this year," the letter said.

MEXICO MOVES AM STATIONS TO FM

D. Smith 2013-01-15

The Mexican government has launched a program to move as many of the country's AM stations as possible to the FM band. Hundreds of AM stations, including some of Mexico's most powerful, are moving; several Mexican states will be left with no AM stations at all. Due to a shortage of FM frequencies, stations near the U.S. border and in more populous places like Mexico City may be unable to move. I do not promise the list below is complete. (I only found records going back to 2010, but I believe the AM-to-FM program is older than that) Stations have 180 days to complete the move; it is not clear to me whether these permits can be renewed.

State abbreviations are same as in the *FM Atlas*.

Here goes:

Location	FM freq.	Callsign	AM freq.	ERP (kw)	HAAT (m)	N	W
AG Aguascalientes	88.7	XHBI-FM	790	25	70	21-55-08	102-15-44
AG Aguascalientes	90.5	XHUVA-FM	1170	25	1	21-53-04	102-19-56
AG Aguascalientes	91.3	XHPLA-FM	860	25	48	21-55-11	102-15-57
AG Aguascalientes	95.7	XHAGA-FM	1200	25	44	21-55-11	102-15-57
AG Aguascalientes	98.9	XHERO-FM	1240	25	69	21-55-08	102-15-44
AG Aguascalientes	100.9	XHCAA-FM	950	25	46	21-55-11	102-15-57
AG Aguascalientes	104.5	XHDC-FM	1050	25	1	21-52-31	102-17-17
AG Aguascalientes	106.1	XHLTZ-FM	740	25	53	21-55-11	102-15-57
AG Aguascalientes	106.9	XHAC-FM	1400	25	50	21-55-11	102-15-57
AG El Sauz	102.9	XHEY-FM	660	25	82	21-55-12	102-15-47
BN Cd. Morelos	107.1	XHDY-FM	1080	25	49	32-38-01	114-50-43
BN Ensenada	89.1	XHEPF-FM	1400	6	-132	31-53-27	116-34-46
BN Ensenada	92.1	XHHC-FM	1590	6	-132	31-53-27	116-34-48
BN Ensenada	97.9	XHEBC-FM	730	6	131	31-52-34	116-38-30
BN Ensenada	100.3	XHDX-FM	1010	6	96	31-53-35	116-37-38
BN Tecate	88.5	XHKT-FM	1390	1	-77	32-31-45	116-41-32
BS Bahia Asuncion	95.7	XHBAC-FM	1100	25	50	27-08-13	114-18-01
BS Bahia Tortugas	96.5	XHBTS-FM	1310	25	27	27-41-56	114-53-39
BS Cd. Constitucion	97.5	XHVSD-FM	1440	25	43	25-00-53	111-39-51
BS El Centenario	92.7	XHELPZ-FM	1310	25	30	24-06-25	110-30-00
BS El Centenario	98.3	XHPAB-FM	1080	25	30	24-06-25	110-30-00
BS La Paz	97.5	XHNT-FM	790	25	-5	24-09-50	110-18-56
BS La Paz	105.5	XHHZ-FM	990	25	-12	24-05-26	110-20-11
BS Loreto	95.7	XHLBC-FM	730	25	-58	26-00-23	111-22-42
BS Punta Abreojos	94.9	XHEPAS-FM	1200	25	54	26-43-27	113-34-30
BS San Jose del Cabo	93.1	XHESJC-FM	660	25	55	23-04-20	109-39-56
BS Santa Rosalia	91.7	XHESR-FM	1320	25	-8	27-20-00	112-16-13
BS Santa Rosalia	95.7	XHRLA-FM	940	25	-8	27-20-00	112-16-13
CE Campeche	97.3	XHRAC-FM	1430	25	23	19-50-37	90-32-00
CE Campeche	102.7	XHAC-FM	1290	25	26	19-50-30	90-32-06
CE Cd. del Carmen	101.3	XHMAB-FM	950	25	48	18-38-37	91-50-21
CE Champoton	96.7	XHESE-FM	1560	6	64	19-21-09	90-42-50
CE Escarcega	103.9	XHESC-FM	820	6	63	18-36-55	90-43-23
CE Palizada	106.5	XHTH-FM	1290	6	32	18-15-20	92-05-28
CH Arriaga	94.3	XHEMG-FM	1250	25	-100	16-13-51	93-55-35
CH Cacahoatan	89.1	XHCAH-FM	1350	25	-128	14-59-58	92-09-48
CH Chiapa de Corzo	107.9	XHCHZ-FM	1560	25	-271	16-42-38	93-00-30
CH Cintalapa	89.9	XHEIN-FM	560	25	-19	16-41-27	93-42-34
CH Comitan	92.5	XHFRT-FM	890	25	60	16-14-15	92-06-57
CH Comitan	99.1	XHUI-FM	800	25	1	16-15-20	92-08-12
CH Comitan	107.9	XHEMIT-FM	540	0.801	143	16-12-28	92-06-57
CH Huixtla	97.1	XHKY-FM	1280	25	-95	15-08-01	92-28-50
CH Huixtla	104.3	XHMK-FM	930	25	-95	15-08-01	92-28-50
CH Pichucalco	91.3	XHEOB-FM	670	10	89	17-37-35	93-09-53
CH San Cristobal de las Casas	95.3	XHWM-FM	640	25	10	16-44-43	92-39-32
CH Tapachula	93.1	XHKQ-FM	680	25	95	14-53-39	92-14-49
CH Tapachula	94.7	XHETS-FM	780	25	114	14-55-02	92-16-33
CH Tapachula	96.3	XHEOE-FM	810	25	95	14-53-39	92-14-49
CH Tapachula	98.7	XHTAP-FM	960	25	95	14-53-39	92-14-49
CH Tapachula	99.5	XHEZZZ-FM	590	25	114	14-55-02	92-16-33
CH Tapachula	103.5	XHTAK-FM	900	25	95	14-53-39	92-14-49
CH Tonala	101.5	XHDB-FM	860	25	-104	16-05-58	93-45-57
CH Tuxtla Gutierrez	88.3	XHRPR-FM	1070	25	-194	16-45-20	93-08-58
CH Tuxtla Gutierrez	90.3	XHTG-FM	990	25	-87	16-47-06	93-07-09
CH Tuxtla Gutierrez	91.1	XHIO-FM	840	25	-169	16-45-20	93-08-58
CH Tuxtla Gutierrez	92.3	XHONC-FM	710	25	-132	16-45-59	93-05-01
CH Tuxtla Gutierrez	99.3	XHUE-FM	580	25	-169	16-45-20	93-08-58
CH Tuxtla Gutierrez	100.1	XHUD-FM	1360	25	-87	16-47-06	93-07-09
CH Tuxtla Gutierrez	101.7	XHVV-FM	920	25	-125	16-45-59	93-05-01
CH Tuxtla Gutierrez	103.5	XHTUG-FM	950	25	-169	16-45-20	93-08-58
CH Tuxtla Gutierrez	105.9	XHLM-FM	1240	25	-169	16-45-20	93-08-58
CH Villaflores	103.9	XHVF-FM	730	25	-43	16-12-40	93-17-18
CI Cd. Camargo	96.1	XHEOH-FM	750	25	-6	27-39-50	105-11-14
CI Cd. Cuauhtemoc	91.3	XHEPL-FM	550	25	24	28-24-36	106-55-15

CI Cd. Cuauhtemoc	98.3	XHDT-FM	900	25	55	28-25-07	106-49-30
CI Cd. Delicias	90.5	XHHM-FM	1480	25	39	28-19-53	105-28-18
CI Cd. Delicias	95.3	XHDCH-FM	1180	25	41	28-10-06	105-26-15
CI Cd. Delicias	98.9	XHACB-FM	660	25	84	28-11-24	105-24-02
CI Cd. Delicias	100.5	XHBZ-FM	1590	25	24	28-11-21	105-26-56
CI Cd. Delicias	102.1	XHJK-FM	980	25	24	28-11-21	105-26-56
CI Cd. Jimenez	92.9	XHJZ-FM	1320	25	48	27-08-11	104-53-44
CI Cd. Madera	96.1	XHESW-FM	970	10	158	29-11-03	108-10-15
CI Chihuahua	92.5	XHEFO-FM	680	25	30	28-40-08	106-04-56
CI Chihuahua	94.1	XHHES-FM	1040	25	5	28-36-53	106-03-16
CI Chihuahua	96.5	XHFI-FM	580	25	58	28-36-38	106-02-58
CI Chihuahua	99.3	XHRPC-FM	790	25	57	28-36-38	106-02-58
CI Chihuahua	100.9	XHLO-FM	1010	15.22	-1	28-37-15	106-06-27
CI Chihuahua	102.5	XHES-FM	760	25	46	28-41-27	106-07-15
CI Chihuahua	103.7	XHHEM-FM	850	15.22	46	28-41-27	106-07-15
CI Ejido Robinson	91.7	XHBU-FM	620	25	106	28-36-07	106-08-19
CI Ejido Robinson	93.3	XHBW-FM	1280	25	104	28-36-07	106-08-19
CI Ejido Robinson	95.7	XHQD-FM	920	25	103	28-36-07	106-08-19
CI Hidalgo del Parral	100.1	XHHPC-FM	1000	25	-22	26-55-30	105-40-00
CI Nuevo Casas Grandes	90.5	XHTX-FM	540	25	93	30-29-03	107-58-04
CI Nuevo Sacramento	101.7	XHV-FM	880	25	-11	28-48-06	106-09-10
CI Ojinaga	101.7	XHOG-FM	1260	25	-12	29-33-05	104-23-40
CI Piedras Negras	100.9	XHVM-FM	1240	3	58	28-41-13	100-33-03
CL Cd. Allende	93.9	XHVD-FM	1380	6	42	28-19-50	100-50-54
CL Frontera	94.7	XHXU-FM	1480	25	-11	26-56-02	101-26-28
CL Frontera	106.3	XHGIK-FM	560	5.45	68	26-54-32	101-28-53
CL La Loma	106.7	XHEPO-FM	730	15	24	27-52-32	101-28-16
CL Monclova	96.3	XHEMF-FM	970	10	64	26-50-44	101-24-36
CL Monclova	103.1	XHWQ-FM	1330	25	-38	26-55-05	101-24-33
CL Monclova	104.9	XHMDA-FM	1170	25	-29	26-54-14	101-24-45
CL Nueva Rosita	89.1	XHENR-FM	980	25	54	27-56-41	101-14-04
CL Nueva Rosita	105.1	XHYJ-FM	950	25	62	27-56-53	101-14-42
CL Piedras Negras	96.7	XHIK-FM	830	3	58	28-41-13	100-33-03
CL Sabinas	97.7	XHESCC-FM	1250	25	73	27-52-40	101-08-30
CL Sabinas	105.9	XHBX-FM	610	25	73	27-52-40	101-08-30
CL Saltillo	88.9	XHAJ-FM	1330	25	-177	25-24-06	100-58-38
CL Saltillo	91.3	XHEIM-FM	810	25	-77	25-27-58	101-00-10
CL Saltillo	99.3	XHSAC-FM	610	25	-108	25-22-33	101-59-45
CL Saltillo	102.5	XHSHT-FM	930	25	-108	25-22-33	101-59-45
CL San Pedro	98.3	XHBF-FM	1150	25	55	25-45-25	102-59-50
CL Seis de Octubre	105.1	XHYD-FM	1410	6	25	25-45-58	103-14-40
CL Torreon	91.1	XHTC-FM	880	25	29	25-32-18	103-27-37
CL Torreon	105.9	XHQN-FM	740	25	53	25-29-11	103-21-27
CL Villa Union	95.9	XHVUC-FM	1520	25	78	28-13-41	100-44-48
CL Zaragoza	97.3	XHZR-FM	800	6	67	28-29-00	100-54-00
CY Colima	93.3	XHEVE-FM	1020	25	11	19-14-58	103-42-28
CY Colima	98.9	XHERL-FM	710	25	38	19-15-24	103-43-28
CY Colima	99.7	XHCOC-FM	1430	25	13	19-14-58	103-42-28
CY Colima	104.5	XHTTT-FM	930	25	38	19-15-24	103-43-28
CY Manzanillo	95.3	XHMAC-FM	1330	25	-72	19-05-18	104-16-59
CY Manzanillo	97.7	XHAL-FM	860	25	-5	19-02-57	104-18-37
CY Tecoman	106.1	XHEMAX-FM	810	25	43	18-56-06	103-53-21
DG Durango	95.7	XHCK-FM	620	25	-22	24-01-12	104-40-56
DG Durango	98.1	XHWX-FM	660	25	50	24-03-04	104-37-39
DG Durango	98.9	XHDU-FM	860	25	53	24-03-00	104-37-21
DG Durango	101.3	XHCAV-FM	1470	25	53	24-03-00	104-37-21
DG Durango	106.1	XHDRD-FM	820	25	50	24-03-04	104-37-39
DG Gomez Palacio	90.3	XHBP-FM	1450	25	50	25-34-00	103-28-00
DG Gomez Palacio	94.7	XHTJ-FM	570	25	50	25-34-00	103-28-00
DG Gomez Palacio	99.5	XHGZ-FM	790	25	50	25-34-00	103-28-00
DG Gomez Palacio	101.1	XHDN-FM	600	25	58	25-32-58	103-28-07
DG Gomez Palacio	106.7	XHVK-FM	1010	25	58	25-32-58	103-28-07
DG Mesa San Antonio	89.3	XHSRD-FM	560	1	520	25-04-55	105-18-54
GR Acapulco	89.7	XHKJ-FM	1400	25	11	16-50-42	99-54-40
GR Acapulco	92.1	XHACD-FM	550	25	99	16-49-42	99-51-22
GR Acapulco	95.3	XHEVP-FM	1030	25	80	16-52-50	99-51-17
GR Acapulco	104.7	XHCI-FM	1340	25	80	16-52-50	99-51-17
GR Acapulco	106.3	XHACA-FM	950	25	408	16-49-29	99-49-55
GR Acapulco	107.5	XHKOK-FM	750	25	99	16-49-42	99-51-22
GR Arcelia	94.3	XHRY-FM	1450	25	-97	18-19-32	100-17-10
GR Cd. Altamirano	89.5	XHXY-FM	780	25	-16	18-22-14	100-40-44
GR Chilapa de Alvarez	93.5	XHSUR-FM	770	25	-97	17-37-02	99-11-55
GR Chilpancingo	105.1	XHEZUM-FM	1050	25	131	17-34-49	99-29-21
GR Iguala	90.5	XHKF-FM	1360	25	-252	18-21-12	99-30-42
GR Iguala	106.5	XHIG-FM	880	25	-179	18-19-47	99-30-32
GR San Jeronimito	95.3	XHJR-FM	630	25	10	17-34-10	101-21-07
GR Taxco	96.1	XHXC-FM	960	25	363	18-33-46	99-36-46
GR Tixtla Guerrero	99.7	XHEPI-FM	990	3	334	17-33-45	99-28-01
GR Zihuatanejo	101.9	XHUQ-FM	960	25	135	17-38-47	101-34-18
GT Acambaro	90.5	XHVW-FM	1160	6	-98	20-02-15	100-45-33
GT Celaya	96.7	XHY-FM	1360	6	-32	20-30-57	100-45-54
GT Celaya	102.9	XHNC-FM	1540	6	-40	20-30-26	100-49-01
GT Cuartel de Pozos	92.5	XHGX-FM	800	3	171	21-13-35	100-29-38
GT Dolores Hidalgo	96.3	XHEJE-FM	1370	6	20	21-10-11	100-53-22
GT El Puesto	89.1	XHEFG-FM	840	6	15	20-27-51	100-49-44
GT El Puesto	101.9	XHEOF-FM	740	6	15	20-27-51	100-49-44

GT Irapuato	88.5	XHCN-FM	1080	3	9	20-42-13	101-20-29
GT Irapuato	91.9	XHYA-FM	1180	3	59	20-37-54	101-21-41
GT Irapuato	107.9	XHWE-FM	1420	3	12	20-42-13	101-20-29
GT Leon	93.1	XHERZ-FM	1000	3	-52	21-06-01	101-38-24
GT Leon	101.1	XHERW-FM	1390	3	-104	21-08-07	101-37-20
GT Leon	103.1	XHXF-FM	1140	3	-58	21-06-01	101-38-24
GT Leon	107.1	XHACN-FM	910	3	-105	21-08-07	101-37-20
GT Pozo de Parras	102.7	XHIRG-FM	1470	3	7	20-44-03	101-22-06
GT Praderas de la Soledad	103.7	XHCEL-FM	950	6	4	20-30-08	100-55-17
GT Quinta Noriega	95.5	XHELG-FM	680	3	-95	21-10-22	101-39-31
GT San Jose de la Sonaja	105.5	XHBO-FM	1330	3	43	20-37-52	101-21-32
GT San Miguel de Allende	103.3	XHSQ-FM	1280	6	6	20-51-44	100-45-14
JA Ameca	99.1	XHED-FM	900	6	-156	20-33-29	104-02-52
JA Atotonilco El Alto	105.5	XHHE-FM	940	6	95	20-33-47	102-31-14
JA Autlan de Navarro	101.5	XHJY-FM	1260	25	-185	19-46-04	104-14-53
JA Autlan de Navarro	103.9	XHLD-FM	780	25	-155	19-45-55	104-16-19
JA Cd. Guzman	106.3	XHIS-FM	670	24.7	-121	19-42-21	103-27-52
JA Jamay	104.7	XHLB-FM	1090	6	85	20-17-31	102-36-27
JA Lagos de Moreno	105.7	XHLJ-FM	1030	6	61	21-17-29	101-51-14
JA Morelos	96.7	XHZK-FM	550	3	55	20-50-52	102-44-12
JA Puerto Vallarta	93.5	XHEJ-FM	650	25	-22	20-46-12	105-12-27
JA Tamaliagua	93.5	XHLAZ-FM	600	25	-182	19-53-41	103-31-29
JA Tamazula de Gordiano	97.5	XHXXX-FM	840	25	-16	19-40-50	103-15-24
MC Atlacomulco de Fabela	104.7	XHRLK-FM	1170	6	-27	19-47-39	99-52-27
MC Valle de Bravo	93.5	XHEVAB-FM	1580	6	-256	19-11-42	100-08-06
MH Apatzingan	98.3	XHEML-FM	770	25	-30	19-03-43	102-20-29
MH El Jaral	103.9	XHESOL-FM	1190	25	-159	19-42-16	100-32-28
MH La Piedad	89.9	XHLP-FM	1230	0.05	796	20-18-13	102-06-53
MH Lazaro Cardenas	95.7	XHLCM-FM	920	25	8	18-00-11	102-14-38
MH Los Reyes de Salgado	92.5	XHGQ-FM	1000	6	-224	19-35-06	102-28-03
MH Morelia	89.3	XHKW-FM	1300	25	-63	19-41-19	101-10-53
MH Morelia	92.3	XHLY-FM	870	25	94	19-41-58	101-08-30
MH Morelia	100.9	XHI-FM	1400	25	-92	19-43-22	101-10-21
MH Morelia	101.7	XHEMM-FM	960	25	-65	19-41-26	101-10-52
MH Morelia	102.5	XHRPA-FM	1240	25	-9	19-42-46	101-15-16
MH Patzcuaro	94.9	XHEXL-FM	690	6	-70	19-32-40	101-36-47
MH Tejerias	93.7	XHENI-FM	1320	25	85	19-23-12	102-00-43
MH Uruapan	101.3	XHIW-FM	1160	25	-95	19-25-23	102-02-08
MH Uruapan	102.1	XHURM-FM	750	25	63	19-23-21	102-00-43
MH Zacapu	98.5	XHZI-FM	850	6	-184	19-48-25	101-46-55
MH Zamora	91.7	XHQL-FM	1260	6	-43	19-58-01	102-15-55
MH Zamora	94.1	XHGT-FM	1490	6	-41	19-58-01	102-15-55
MH Zamora	103.9	ZHEZM-FM	650	6	-38	19-58-01	102-15-55
MH Zitacuaro	95.1	XHLX-FM	700	10	-137	19-26-21	100-20-20
MR Jojutla	90.3	XHJPA-FM	1190	3	43	18-41-57	99-14-56
NA Acaponeta	98.1	XHLH-FM	670	25	90	22-26-35	105-25-20
NA Bucerias	105.1	XHNAY-FM	910	25	0	20-45-25	105-15-50
NA El Conchal	89.1	XHLUP-FM	1130	25	-550	21-10-28	105-07-53
NA Ixtlan del Rio	106.9	XHERIO-FM	1050	25	-290	21-01-28	104-23-09
NA Jarretaderas	95.9	XHCJU-FM	590	25	8	20-41-59	105-16-11
NA Ruiz	106.7	XHSK-FM	1490	25	25	21-56-30	105-10-12
NA Santiago Ixcuintla	92.1	XHSI-FM	1240	25	72	21-48-42	105-12-12
NA Santiago Ixcuintla	92.9	XHZE-FM	950	25	64	21-48-01	105-14-06
NA Tecuala	92.5	XHETD-FM	570	25	92	22-26-35	105-25-20
NA Tepic	96.1	XHEOO-FM	620	10	30	21-30-23	104-52-46
NA Tepic	98.5	XHEPIC-FM	1020	3	237	21-31-51	104-54-55
NA Tepic	101.9	XHPNA-FM	890	10	49	21-31-23	104-55-26
NA Tepic	104.9	XHERK-FM	710	25	49	21-31-23	104-55-26
NA Tepic	107.3	XHXT-FM	980	3	330	21-32-15	104-54-45
NL Linares	104.9	XHR-FM	1260	6	46	24-52-20	99-34-23
NL Linares	105.7	XHLN-FM	830	6	46	24-52-20	99-34-23
OX El Vigia	99.9	XHEPX-FM	650	25	141	15-43-03	96-28-24
OX Huajuapán de Leon	105.3	XHOU-FM	1020	25	95	17-48-25	97-47-10
OX Juchitan	90.1	XHAH-FM	1180	25	45	16-27-22	95-01-46
OX Juchitan	91.7	XHTEKA-FM	1030	25	45	16-27-22	95-01-46
OX Oaxaca	93.7	XHAX-FM	1080	25	-107	17-04-13	96-43-51
OX Oaxaca	94.9	XHEOA-FM	570	25	-34	17-04-13	96-43-51
OX Oaxaca	95.7	XHCE-FM	1240	25	-151	17-03-42	96-43-46
OX Oaxaca	101.7	XHZB-FM	1120	25	-103	17-04-13	96-43-51
OX Oaxaca	102.9	XHYN-FM	820	25	-34	17-04-13	96-43-51
OX Pinotepa Nacional	98.1	XHPNX-FM	920	25	63	16-20-32	98-03-40
OX Putla de Guerrero	98.7	XHPOR-FM	740	6	-97	16-59-29	97-56-25
OX San Juan Bautista Tuxtepec	96.9	XHUH-FM	1320	25	51	18-04-56	96-09-08
OX San Juan Bautista Tuxtepec	106.5	XHXP-FM	1150	25	51	18-04-56	96-09-08
OX Santa Cruz de Amilpa	97.7	XHRPO-FM	710	25	-157	17-03-06	96-41-03
OX Santa Maria Asuncion Tlaxiaco	100.5	XHTLX-FM	830	25	-106	17-16-07	97-40-23
OX Santo Domingo Tehuantepec	98.1	XHKZ-FM	610	25	65	16-20-40	95-12-39
PU Cd. Serdan	93.5	XHLU-FM	1340	6	-60	18-59-15	97-27-17
PU Chignautla	99.7	XHOL-FM	910	6	21	19-48-35	97-23-04
PU Huauchinango	97.5	XHENG-FM	870	6	-66	20-10-04	98-02-51
PU Ixtlahuaca	102.9	XHTOL-FM	1130	3	32	19-29-29	99-43-58
PU Izucar de Matamoros	91.1	XHFS-FM	980	6	7	18-36-42	98-28-04

PU San Martin Texmelucan	90.7	XHRTP-FM	1540	6	-10	19-15-53	98-23-36
PU Tehuacan	90.7	XHTCP-FM	1230	25	-83	18-27-42	97-23-36
PU Tehuacan	100.7	XHGY-FM	1070	25	-39	18-27-25	97-25-20
PU Tehuacan	102.9	XHWJ-FM	1420	25	-44	18-27-25	97-25-20
PU Teziutlan	95.1	XHFJ-FM	680	6	152	19-47-06	97-22-45
PU Xicotepec de Juarez	92.7	XHVJP-FM	570	3	205	20-15-47	97-57-24
QR Chetumal	99.3	XHQAA-FM	560	25	64	18-32-33	88-16-09
QR Chetumal	101.7	XHROOC-FM	960	25	74	18-31-11	88-17-14
QR Felipe Carrillo Puerto	104.5	XHNKA-FM	1030	6	70	19-35-07	88-02-12
QR Santa Martha	102.7	XHCANQ-FM	1100	25	92	21-06-38	86-56-52
QT Jalpan de Serra	107.1	XHJAQ-FM	850	25	-459	21-12-56	99-27-59
QT La Noria	107.9	XHQG-FM	670	0.5	260	20-32-24	100-20-49
QT Queretaro	88.7	XHJX-FM	1250	6	-43	20-34-57	100-25-55
QT Queretaro	91.7	XHKH-FM	1020	6	8	20-37-26	100-25-07
QT Queretaro	92.7	XHXE-FM	1090	6	44	20-34-57	100-25-55
QT Queretaro	93.9	XHHY-FM	1310	6	9	20-37-26	100-25-07
QT Queretaro	104.9	XHNA-FM	1450	6	-54	20-35-55	100-26-21
QT Queretaro	106.5	XHGV-FM	1120	6	94	20-36-19	100-22-05
SL Cd. Valles	98.1	XHCV-FM	600	25	26	21-58-24	99-00-17
SL Cd. Valles	99.7	XHETR-FM	1120	25	-21	21-57-40	98-59-49
SL Cd. Valles	106.9	XHXR-FM	1260	25	6	21-58-24	99-00-17
SL Los Paisanos	93.1	XHEI-FM	1070	25	19	22-12-27	101-01-39
SL Matehuala	89.3	XHFF-FM	1490	25	8	23-38-41	100-38-26
SL Matehuala	96.9	XHWU-FM	1400	25	-34	23-38-47	100-38-32
SL Rio Verde	91.7	XHIY-FM	650	25	17	21-55-53	100-00-41
SL Rio Verde	94.5	XHEEM-FM	880	25	17	21-55-53	100-00-41
SL San Luis Potosi	102.1	XHESL-FM	1340	25	-47	22-08-25	100-59-53
SL San Luis Potosi	104.9	XHCZ-FM	960	25	-49	22-08-58	100-58-24
SL Soledad de Sanchez Graciano	103.9	XHEWA-FM	540	25	46	22-09-29	100-55-35
SN Bellavista	88.7	XHEX-FM	1230	25	67	24-48-53	107-27-22
SN Chametla	90.1	XHHW-FM	600	25	86	22-51-14	105-58-48
SN Culiacan	89.5	XHCSI-FM	750	25	44	24-49-39	107-24-16
SN Culiacan	92.9	XHENZ-FM	890	25	49	24-48-23	107-19-42
SN Culiacan	96.9	XHVQ-FM	830	25	35	24-49-56	107-24-17
SN Culiacan	97.7	XHWT-FM	1200	25	39	24-49-39	107-24-16
SN Culiacan	101.7	XHESA-FM	1260	25	66	24-49-44	107-30-22
SN Culiacan	102.5	XHWS-FM	1010	25	36	24-49-56	107-24-17
SN Culiacan	104.1	XHECO-FM	920	25	62	24-49-20	107-28-36
SN Escuinapa	94.3	XHQE-FM	1340	25	1	22-50-16	105-47-06
SN Guamuchil	99.3	XHJL-FM	1300	25	43	25-28-14	108-06-08
SN Guasave	93.7	XHEORO-FM	680	25	81	25-32-19	108-27-34
SN Guasave	106.1	XHGS-FM	610	25	96	25-32-02	108-29-12
SN Los Mochis	90.1	XHMIL-FM	1000	25	64	25-49-02	109-00-53
SN Los Mochis	90.9	XHHS-FM	540	4	127	25-48-32	108-58-10
SN Los Mochis	91.7	XHECU-FM	1450	25	75	25-45-41	109-00-00
SN Los Mochis	93.3	XHCF-FM	1410	4	47	25-48-32	108-58-10
SN Los Mochis	94.1	XHEMOS-FM	1130	25	32	25-47-28	108-59-33
SN Los Mochis	96.5	XHCW-FM	740	25	75	25-45-41	109-00-00
SN Los Mochis	104.3	XHREV-FM	770	10	186	25-48-29	108-58-06
SN Los Mochis	106.5	XHTNT-FM	650	10	186	25-48-29	108-58-06
SN Mazatlan	88.9	XHFIL-FM	870	25	133	23-14-44	106-22-44
SN Mazatlan	94.7	XHST-FM	690	25	42	23-13-55	106-23-37
SN Mazatlan	97.9	XHMMS-FM	1000	25	96	23-14-44	106-22-39
SN Mazatlan	98.7	XHVOX-FM	970	25	44	23-16-46	106-25-03
SN Mazatlan	104.3	XHENX-FM	1290	25	47	23-16-46	106-25-03
SN Mazatlan	107.5	XHERJ-FM	1320	25	22	23-13-04	106-23-03
SN San Blas	98.9	XHMPM-FM	1030	15	127	25-48-32	108-58-10
SO Caborca	89.9	XHIB-FM	1170	25	104	30-42-30	112-09-03
SO Caborca	90.7	XHEZ-FM	970	25	65	30-43-31	112-09-46
SO Caborca	95.3	XHUK-FM	570	25	60	30-43-31	112-09-46
SO Cd. Obregon	101.7	XHHX-FM	860	25	52	27-29-32	109-56-05
SO Cd. Obregon	104.9	XHESO-FM	1150	25	50	27-30-04	109-58-37
SO Cd. Obregon	105.7	XHOS-FM	1340	25	52	27-29-32	109-56-05
SO El Sifon	97.3	XHSOS-FM	730	25	77	31-17-19	109-40-28
SO Guaymas	101.3	XHFX-FM	630	8	80	27-53-40	110-54-33
SO Guaymas	102.1	XHEPS-FM	710	25	102	27-55-44	110-53-35
SO Hermosillo	88.9	XHESON-FM	680	6.5	197	29-03-48	110-56-17
SO Hermosillo	89.7	XHEDL-FM	1250	25	37	29-02-59	110-57-59
SO Hermosillo	91.5	XHYF-FM	1200	25	14	29-04-29	110-59-00
SO Hermosillo	93.1	XHEPB-FM	950	25	40	29-04-36	110-59-26
SO Hermosillo	97.1	XHHQ-FM	920	25	33	29-04-47	110-55-21
SO Hermosillo	102.7	XHDM-FM	1580	5	240	29-03-41	110-58-28
SO Navojoa	104.5	XHKE-FM	980	22.9	55	27-04-29	109-28-06
SO Navojoa	107.1	XHENS-FM	1480	22.9	55	27-04-59	109-28-06
TB Cardenas	104.5	XHACM-FM	910	6	77	17-59-10	93-23-06
TB Comalcalco	89.7	XHVX-FM	570	6	93	18-15-54	93-13-07
TB Cunduacan	93.7	XHZQ-FM	830	6	83	17-58-34	93-05-53
TB Ixtacomitan	106.3	XHRVI-FM	700	25	90	17-55-48	92-58-43
TB Macuspana	107.7	XHRTM-FM	850	6	18	17-45-23	92-35-38
TB Miguel Hidalgo	99.1	XHVHT-FM	1270	25	80	17-58-41	92-59-03
TB Miguel Hidalgo	104.9	XHREC-FM	940	25	77	17-58-41	92-59-03
TB Tenosique	89.3	XHZX-FM	860	6	88	17-35-34	91-30-34
TB Villahermosa	89.3	XHQQQ-FM	880	25	94	17-56-06	92-58-09
TB Villahermosa	91.7	XHVA-FM	790	25	61	17-59-06	92-56-16
TB Villahermosa	94.1	XHHGR-FM	620	25	83	17-55-50	93-00-04

TB Villahermosa	95.7	XHTAB-FM	1010	25	61	17-59-06	92-56-16
TB Villahermosa	101.5	XHEPAR-FM	1320	25	94	17-56-06	92-58-09
TB Villahermosa	103.3	XHVILL-FM	650	25	87	17-56-57	92-54-52
TB Villahermosa	104.1	XHVT-FM	970	25	70	18-02-42	92-54-00
TM Cd. Mante	91.1	XHECM-FM	1450	25	31	22-48-54	98-56-45
TM Tampico	92.5	XHRRT-FM	1270	25	62	22-14-10	97-51-54
TM Tampico	100.9	XHS-FM	1240	12.5	101	22-12-44	97-49-47
TM Tampico	103.9	XHMTS-FM	780	25	67	22-21-36	97-54-55
TM Tampico	106.3	XHFW-FM	810	25	69	22-15-01	97-51-52
TM Tampico	107.1	XHTW-FM	860	12.5	69	22-15-01	97-51-52
TM Tampico	107.9	XHEOLA-FM	710	25	72	22-14-06	97-51-34
VC Acayucan	93.9	XHEVZ-FM	1210	25	59	17-57-40	94-55-09
VC Alamo	89.7	XHID-FM	990	25	19	20-54-35	97-40-09
VC Banderilla	104.9	XHBD-FM	1210	1.5	186	19-35-43	97-00-36
VC Boca del Río	90.1	XHLL-FM	1430	25	66	19-07-58	96-07-50
VC Boca del Río	94.1	XHHV-FM	1310	25	66	19-07-58	96-07-50
VC Boca del Río	98.1	XHU-FM	930	25	66	19-07-58	96-07-50
VC Cd. Cuauhtemoc	104.3	XHMCA-FM	1090	12.5	76	22-08-01	98-07-56
VC Cd. Cuauhtemoc	105.9	XHLE-FM	920	12.5	76	22-08-01	98-07-56
VC Cordoba	96.1	XHSIC-FM	670	25	-42	18-53-47	96-56-17
VC Cordoba	102.1	XHAG-FM	1280	25	-46	18-53-59	96-57-50
VC Cosamaloapan	90.7	XHQO-FM	980	25	66	18-21-30	95-48-53
VC Cosoleacaque	88.5	XHAFO-FM	1420	25	80	17-59-24	94-35-06
VC Cosoleacaque	105.7	XHEMI-FM	1070	25	80	17-59-24	94-35-06
VC El Pando	92.5	XHQRV-FM	770	25	66	19-10-35	96-08-14
VC Gutierrez Zamora	97.3	XHGF-FM	740	25	73	20-28-20	97-05-35
VC Ixhuatlancillo	97.3	XHOV-FM	1240	3	-274	18-52-46	97-07-38
VC Ixhuatlancillo	101.3	XHTQ-FM	850	3	-276	18-52-46	97-07-38
VC Jalapa	93.7	XHKL-FM	550	25	152	19-32-21	96-54-20
VC Jalapa	102.5	XHJA-FM	610	25	152	19-32-21	96-54-20
VC Jalapa	103.3	XEZL-FM	1130	25	164	19-31-10	96-53-09
VC Jalapa	104.1	XHGR-FM	1040	25	152	19-32-21	96-54-20
VC Martinez de la Torre	89.9	XHHU-FM	1300	25	-26	20-03-05	97-00-03
VC Martinez de la Torre	107.1	XHHTY-FM	1330	10	-77	19-57-42	97-12-55
VC Minatitlan	95.3	XHKM-FM	1450	25	95	17-59-11	94-32-36
VC Misantla	99.1	XHEPT-FM	1590	25	-177	19-56-02	96-50-24
VC Nanchital	99.3	XHAFA-FM	690	25	83	18-04-17	94-24-15
VC Nanchital	103.5	XHGB-FM	960	25	83	18-04-17	94-24-15
VC Papantla	89.3	XHRRR-FM	1270	10	160	20-26-52	97-19-03
VC Papantla	103.5	XHPV-FM	840	10	160	20-26-52	97-19-03
VC Piedras Negras	95.3	XHGN-FM	1180	6	55	18-45-16	96-07-46
VC Poza Rica	94.7	XHPW-FM	1200	25	-11	20-32-17	97-28-09
VC Poza Rica	100.1	XHXX-FM	1080	25	-9	20-32-17	97-28-09
VC Poza Rica	100.9	XHEJD-FM	1450	25	-11	20-32-17	97-28-09
VC Poza Rica	105.9	XHCOV-FM	790	25	-16	20-32-17	97-28-09
VC Pueblo de las Flores	104.5	XHEVC-FM	700	25	-45	18-54-27	96-58-27
VC Pueblo de las Flores	107.5	XHKG-FM	820	25	-50	18-54-27	96-58-27
VC Pueblo de Santa Leticia	94.5	XHYV-FM	880	15	-37	18-54-44	96-58-38
VC Pueblo Viejo	89.3	XHTOT-FM	1190	12.5	91	22-12-17	97-49-33
VC Pueblo Viejo	91.7	XHPAV-FM	1030	12.5	98	22-12-43	97-49-53
VC Pueblo Viejo	99.3	XHETU-FM	980	12.5	56	22-11-39	97-50-19
VC San Andres Tuxtla	103.9	XHDQ-FM	830	25	-98	18-27-00	95-12-38
VC San Rafael	94.3	XHVO-FM	1520	6	-4	20-11-42	96-51-58
VC Tempoal	90.5	XHTI-FM	750	25	54	21-31-20	98-22-50
VC Tierra Blanca	100.9	XHTBV-FM	1260	6	45	18-26-22	96-20-38
VC Tierra Blanca	105.1	XHJF-FM	1050	6	51	18-27-30	96-20-48
VC Tuxpan	96.7	XHBY-FM	890	25	86	20-58-17	97-24-32
VC Veracruz	88.5	XHIL-FM	1090	25	43	19-10-06	96-08-03
VC Veracruz	94.9	XHFM-FM	1010	25	69	19-11-15	96-08-05
VC Veracruz	98.9	XHWB-FM	900	25	59	19-12-48	96-10-23
VC Veracruz	106.1	XHETF-FM	1250	25	17	19-11-32	96-08-18
YU Conkal	88.5	XHRRF-FM	860	25	94	21-03-55	89-31-24
YU Conkal	101.5	XHYK-FM	710	25	96	21-03-55	89-31-24
YU Merida	90.9	XHMOM-FM	810	25	93	21-02-55	89-37-58
YU Merida	96.9	XHUL-FM	930	25	45	20-58-30	89-37-20
YU Merida	103.1	XHPYM-FM	680	25	94	21-00-54	89-33-41
YU Merida	105.1	XHZ-FM	600	25	97	21-02-53	89-38-11
YU Peto	105.5	XHPET-FM	730	6	87	20-07-29	88-56-09
YU San Pedro Nohpat	105.9	XHFCY-FM	1090	25	92	20-55-56	89-41-08
YU Temozoc	91.9	XHMET-FM	570	25	93	20-47-03	88-12-15
YU Tizimin	96.3	XHUP-FM	790	6	83	21-08-46	88-07-08
YU Valladolid	92.7	XHUM-FM	610	25	59	20-40-40	88-12-32
ZA Buena Vista de Rivera	90.3	XHQS-FM	930	25	98	23-08-31	102-49-58
ZA Buena Vista de Rivera	107.1	XHEMA-FM	690	25	99	23-08-31	102-49-58
ZA Fresnillo	95.1	XHEL-FM	610	3	258	23-12-47	102-53-20
ZA Fresnillo	98.5	XHYQ-FM	640	25	29	23-10-29	102-52-12
ZA Guadalupe Victoria	90.1	XHTGO-FM	1110	25	-211	21-49-31	103-17-16
ZA Jalpa	98.3	XHFP-FM	990	25	-143	21-39-37	102-56-40
ZA Rio Grande	97.1	XHZC-FM	810	25	-13	23-49-46	103-02-17
ZA Zacatecas	99.3	XHZAZ-FM	970	10	135	22-46-14	102-34-36
ZA Zacatecas	106.5	XHLK-FM	830	3	395	22-43-59	102-33-00

PHOTO NEWS



Jeff Kruszka
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February 2013

A real treat this month, with first-time contributor Glenn Hauser of Enid, OK reporting on some fantastic tropo back in July of last year. I still have a tape of Glenn mentioning a report of mine on DX Digest on Radio Canada Int'l. back in March of 1980 when I was in high school and still active in SW radio. So this month, I get to return the favor!



KCRG-9.1 Cedar Rapids, IA
 510 mi Tr seen 7-21-12 @0822 and 0827 CT

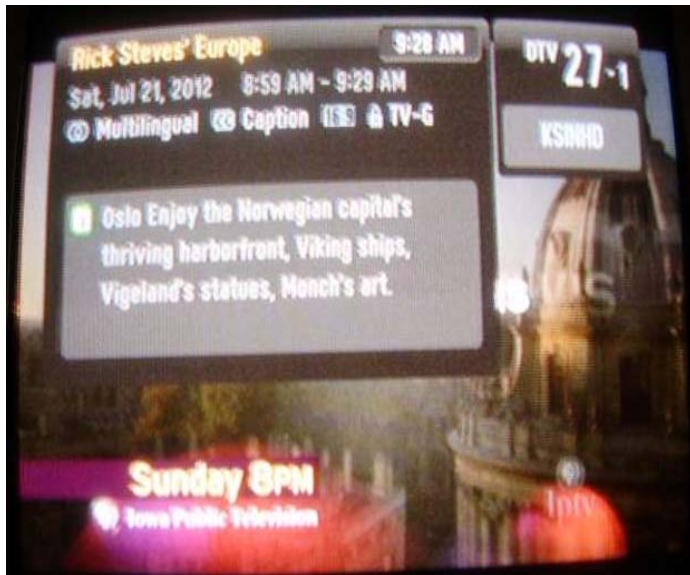


KCPT-18 Kansas City, MO
 260 mi Tr seen 7-21-12
 @0840 CT

KCWI-23 Ames, IA
 451 mi Tr seen 7-21-12
 @1010 CT



KTIN-25 Ft. Dodge, IA
 466 mi Tr seen 7-21-12
 @0859 CT
"antenna pointed toward Tucson!"



KSIN-28 Sioux City, IA
430 mi Tr seen 7-21-12
@0927 CT



KTWU-11 Topeka, KS
220 mi Tr seen 7-21-12
@0829 CT



KXVO-38 Omaha, NE
351 mi Tr seen 7-21-12
@1016 CT



WOWT-22 Omaha, NE
351 mi Tr seen 7-21-12
@0834 CT

Thanks, Glenn. Hope to see more from you.

73's, JEFF

Televisa Tests Mobile DTV

Trials Harris system in Mexico City

By Glen Dickson -- Broadcasting & Cable, August 28, 2008

Mexican broadcaster Grupo Televisa has successfully tested a mobile digital TV (DTV) system in Mexico City using equipment from transmission supplier Harris and cellphone maker LG Electronics, Harris announced today.

The Televisa test, which was conducted as a preliminary step in determining the feasibility of offering mobile DTV service in Mexico in the future, took programming from Televisa's analog channel 4 and rebroadcast it on digital channel 42 to prototype LG handheld receivers in vehicles traveling at highway speeds around the broadcaster's Mexico City coverage area.

The in-band mobile DTV signal was multiplexed into Televisa's 19.4 megabit-per-second ATSC transport stream using a Harris NetVX multiplexer at the transmitter site, and broadcast over-the-air from Televisa's existing 1.8-kilowatt Harris Diamond ATSC transmitter equipped with a Harris APEX exciter modified for mobile DTV. The tests used the MPH mobile DTV system co-developed by Harris Corporation, LG Electronics and Zenith.

"We're extremely pleased that Televisa chose to conduct a mobile DTV test based upon the Harris Diamond ATSC transmitter and APEX exciter," said Nahuel Villegas, vice president of Harris Broadcast Communications, Caribbean and Latin American region, in a statement. "Mobile DTV will likely expand and revolutionize TV viewing options for Mexico City, making it possible for Televisa and other broadcasters to deliver its highly rated content to drivers, commuters and others with mobile receivers. The feedback we received from Televisa was that these results were better than they originally anticipated, as their engineers were able to easily modify its existing Diamond transmitter for mobile DTV, and provide solid reception throughout its broadcast contour — even in challenging terrain."

NBC SPORTS AFFILIATES

COMPILED BY BILL HALE



92.5	WJUN-FM	Mexico, PA	100.3	KFXN-FM	Minneapolis, MN
92.5	WJJQ-FM	Tomahawk, WI	100.5	WDTX	Rothschild, WI
92.7	KASR	Vilonia, AR	100.7	KPXI	Overton, TX
92.7	WWXT	Prince Frederick, DC	101.3	KARV-FM	Ola, AR
92.7	WDUX-FM	Waupaca, WI	101.3	WVIL	Virginia, IL
93.9	WYTK	Rogersville, AL	101.3	WCPV	Essex, NY
94.1	KKLN	Atwater, MN	101.5	KEKA-FM	Eureka, CA
94.1	WVSP	Yorktown, VA	101.7	WMRR	Muskegon Heights, MI
94.3	WWXX	Buckland, VA	102.7	KWLT	North Crossett, LA
94.3	WRLF	Fairmont, WV	102.9	KNBQ	Centralia, WA
95.3	KURY-FM	Brookings, OR	103.1	WQFX-FM	Russell, PA
95.5	WBOP	Buffalo Gap, VA	103.1	KYDT	Pine Haven, WY
96.7	KIIC	Albia, IA	103.9	WNTC	Drakesboro, KY
96.7	WUJM	Gulfport, MS	103.9	KMHT-FM	Marshall, TX
97.1	KYAL-FM	Muskogee, OK	104.3	KKFN	Longmont, CO
97.7	KNBB	Dubach, LA	104.3	KGAS-FM	Carthage, TX
98.7	KFH-FM	Clearwater, KS	104.5	WQKT	Wooster, OH
99.1	KSEK-FM	Girard, MO	105.5	KNAS	Nashville, AR
99.5	KAKS	Huntsville, AR	105.5	KMAV-FM	Mayville, ND
99.5	WZIM	Lexington, IL	106.7	WYFX	Mount Vernon, IN
100.3	WCCI	Savannah, IL			

Source: <http://nbcsports.msnbc.com/id/48828049/ns/sports-radio/>

CBS SPORTS RADIO AFFILIATES

COMPILED BY BILL HALE

92.3	WKRK-FM	Cleveland, OH	100.3	WCFN	Norwood, OH
92.9	WZGC	Atlanta, GA	100.3	WSEA	Atlantic Beach, SC
93.1	KTIK-FM	New Plymouth, ID	100.7	KLSZ-FM	Fort Smith, AR
93.7	WKAD	Harrietta, MI	101.3	WVIL	Virginia, IL
93.7	KSPI-FM	Stillwater, OK	101.7	KLTD	Temple, TX
93.7	KDKA-FM	Pittsburgh, PA	101.7	WWBU	Radford, VA
94.1	WIP-FM	Philadelphia, PA	101.9	WFAN-FM	New York, NY
94.5	WJOX-FM	Birmingham, AL	102.1	WZAT	Tybee Island, GA
94.9	WSYY-FM	Millinocket, ME	102.1	WXTG-FM	Virginia Beach, VA
95.3	KUJZ	Creswell, OR	95.3	WBOP-FM	Buffalo Gap, VA
95.7	WAOR	Nappanee, IN	102.5	WLEG	Ligonier, IN
95.7	KMKO-FM	Lake Crystal, MN	102.7	WNTC	Drakesboro, KY
95.9	WSJZ-FM	Sebastian, FL	103.1	WNMQ-FM	Columbus, MS
96.3	WJJB-FM	Gray, ME	103.7	KLWB-FM	Carencro, LA
96.5	WZPN	Farmington, NM	103.9	WNTC	Drakesboro, KY
96.7	WUJM	Gulfport, MS	104.1	KTDK	Sanger, TX
96.7	WLLF	Mercer, PA	104.5	WGFX	Gallatin, TN
97.1	WXYT-FM	Detroit, MI	105.3	KRLD-FM	Dallas, TX
97.5	WIGY	Madison, ME	105.7	WJZ-FM	Catonsville, MD
98.1	WWLS-FM	The Village, OK	106.1	KNFO	Basalt, CO
98.1	KTLT	Anson, TX	106.1	WMTI	Picayune, MS
98.5	WBZ-FM	Boston, MA	106.5	WLQR-FM	Delta, OH
98.7	WHFS-FM	Holmes Beach, FL	106.7	WFGA	Hicksville, OH
98.7	KFH-FM	Clearwater, KS	106.7	WJFK-FM	Manassas, VA
98.7	KWTO-FM	Springfield, MO	106.7	WOZN-FM	Mount Horeb, WI
99.1	WNML-FM	Friendsville, TN	107.3	WBBL-FM	Greenville, MI
100.1	KBBM	Jefferson City, MO	107.5	WNKT-FM	Eastover, SC
100.1	WWFN-FM	Lake City, SC	107.5	WDUZ-FM	Brillion, WI
100.3	WTKE-FM	Niceville, FL	107.7	WAZA	Liberty, MS

Source: <http://radio.cbssports.com/>



Coast to Coast TV DX

Featuring reports from the entire United States and all of Canada.

Send reports by the 15th of each month to:

Nick Langan

1040 Riverview Drive

Florence, NJ 08518

E-mail: nickl@wtfda.org

The Editor's Note

Judging based on the amount of Sporadic-E alerts I've gotten via text message on my cell phone from dxmaps.com within the past month, this ought to have been a banner winter E-skip season. Alas, the majority of the activity has been cresting at the 6-meter band, but the south has gotten a couple of solid openings, including consecutive events on the 15th and 16th with MUF into FM from Louisiana, Florida, and Texas into Mexico and Central America.

Danny Oglethorpe is among the DXers who have been able to take advantage of some of the Es that has been around this winter, as you'll see in his C2CTV DX report below. We also have contributions this month from Robert Grant, Dave Pomeroy, Dennis Smith, and Bill Draeb.

Danny Oglethorpe

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Shreveport, LA 71148-8025

E-mail: doglethorpe@yahoo.com

TV DX Photographs: <http://www.TVDXExpo.com>

Mexico/Latin America TV DX ID

Tips: <http://www.TVDXTips.com>

Time used is Central Time.

Only the first logging of each station per report period is listed.

Mexico relay text IDs are generally displayed about five seconds. The time listed for log entry is the time text ID was supered.

December 16, 2012 Es

2245 XEPM-2 Cd Juarez CHIH "tucanal"

December 17, 2012 Es

1730 XHY-2 Meridas YUC Music video program; "Sipse" 1800

December 19, 2012 Tropo

1040 XHPNG-6 and XHPN-3 Piedras Negras COAH 477 miles

December 24, 2012 Es

1828 XHCOQ-3 Cozumel QROO NEW Note # 1

1836 Cuba channel 3 "Mesa Redondo"

1837 XHVIZ-3 Villahermosa TAB Text ID upper right

1847 XHMEN-4 Merida YUC Big text ID upper right

December 25, 2012 Es

1230 XEWO-2 Guadalajara JAL "TV Masvision" logo

1635 XHQ-2 Guamuchil SIN XHQ-3 logo

1710 XEFB-2 Monterrey NL "Teleactiva"

1800 XHG-4 Guadalajara JAL Time/temp/GDL bar upper right

18?? XHBQ-3 Zacatecas ZAC Text upper left

December 28, 2012 Es

1850 XHTV-4 DF Foro and DF ads

1945 XHAJ-5 Las Lajas VER Veracruz "V" logo upper right

1955 XHAE-5 Saltillo COAH "Televisa Saltillo" upper left

1955 XELN-4 Torreon COAH Local ads

2016 XHDI-5 Durango DGO Text ID upper left

December 29, 2012 Es

1820 XHP-3 Puebla PUE "TV3" logo

1820 XHP-4 Tehuacan PUE "TV3" logo // 3

1859 WUVF-2 Naples FL Univision

1905 Cuba channel 2 FIFA soccer

2036 XHCH-2 Chihuahua CHIH Text ID upper left

December 30, 2012 Es

1800 TGV-3 Guatemala Christmas "3" logo upper right

January 15, 2013 Es

1635 YSWR-2 El Salvador Logo upper right

1720 HRJG-6 Honduras NEW

1742 XHDY-6 Chiapas XHDY-5 logo upper right

1800 HRTG-5 Honduras 5/EI L logo

1840 XHURT Cerro Burro MICH Text ID upper right

January 16, 2013 Es

1650 TelePinar Cuba channel 2

1650 Cuba channel 6 Cubavision

1820 YSWUR-4 El Salvador Eye logo upper right

January 18, 2013 Es

1905 XHBC-3 Mexicali BCN "Televisa Mexicali"
1915 XHIT-4 Chihuahua CHIH Azteca-13 network
one hour behind
1943 XHHSS-4 Hermosillo SON Text ID upper right
2018 XHDRG-2 Durango DGO Text ID upper left

Note # 1 Thanks to Mike Perron for posting
information about this oddly-configured text ID on
WTFDA Forums. Without his tip, I would not have
reviewed the tape of this ID, and it would remain
unIDed.

Robert Grant

DX, unless stated, is with a Channel master
CM3020 at about 33', from near Temperance, MI
(EN81fs)
Several receivers in use.
Times EDT (UTC-4, August)
and EST (UTC-5, December, Jan.)

8/23 Es

0144 XEFE A2 TAM N. Laredo EL07 1337
(sign off w/anthem & color bars)

8/25 Tr

1557 WJET 24 PA Erie EN92 180

8/30 Tr

1840 CKNX A8 ON Wingham EN94 199
1915 WGRZ 33 NY Buffalo FN02 264
WIVB 39 NY Buffalo FN02 260
WJET 24 PA Erie EN92 180

12/22 GW (EST Time)

0925 **WDTJLD** 18 OH Toledo EN81 9
(new to air, virt 68.1, Daystar)
1050 WHTV 34 MI Jackson EN72 49
(Now from Chelsea TL formerly
used by WPXD-31 Ann Arbor)

2013 DX:

1/1 Es

1955 unID A2z SS audio
1/10 Tr (near Newport, MI EN81hx,
indoor 2-bay bowtie
1940 WSYX 48 OH Columbus EM89 143
2010 WHIZ 40 OH Zanesville EM99 159

TV DX, usually poor this time of year, just abysmal
this time. I can't remember the last time there were
TWO winters in a row without a single station IDed
by Es. The one new station came at the price of
losing channel 18 to DX. My CM3020 is blowing in
the wind like a weather vane again, not into fixing it,
as I don't know how much longer I'll be at the same
house.

Dave Pomeroy

2321 SE Libra Ct.
Topeka, Kansas 66605-3505
davepomeroy@sbcglobal.net

I've been a little slow getting my most recent
reports to you. Here is what I have through the end
of 2012 beginning with September 18.

September 2012

18 0730 Tr KHOG-15 Ft. Smith, AR
KOZK-23 Springfield, MO

October

15 0800 K15DD-15 Wichita, KS
KTPX-28 Okmulgee, OK
KRSC-35 Claremore, OK
KQCW-20 Tulsa, OK
KDOR-17 Bartlesville, OK
KXVO-38 Omaha, NE
1030 KOZJ-25 KSNF-46 Joplin, MO
1045 KOZL-28 Springfield, MO
KLNE-26 Lexington, NE
KSPR-19 Springfield, MO

21 0945 KOCW-14 Hoisington, KS
KBSD-6 Ensign, KS
KBSH-7 Hays, KS
KAKE-10 Wichita, KS
1000 KOCB-33 KWTW-39 KOPX-50 KSBI-
51 OKC
1130 KTBO-15 Oklahoma City, OK
KHNE-28 Hastings, NE

22 0730 K30AE-D 30 Alva, OK
KBSD-6 Dodge City, KS

24 0630 KOCW-33 Wichita, KS
0800 KENW-32* Portales, NM
(first tropo from New Mexico, NM station #2)
KAKE-21 KAKE-10 Wichita, KS
0830 KCIT-15 KACV-9* Amarillo, TX
K48KE-D 48* Buffalo, OK (PBS)
0845 UNID-25 (PSIP was KTUZ which is ch.
29)

November

16 0730 K45IO-45* Kansas City, MO
(first time seen on digital)

20 2115 KTVO-33 Ottumwa, IA
KRIN-35 Waterloo, IA
KCRG-9 Cedar Rapids, IA
2130 KNWA-50 Fayetteville, AR
KSNF-46 KOZJ-25 Joplin, MO
KAAL-36 Austin, MN
2135 WXOW-48 WLAX-17 LaCrosse, WI
KFPX-39 Newton, IA
KDMI-19 Des Moines, IA
2235 WEAU-38* Eau Claire, WI
KWKB-20 Iowa City, IA
KCCI-8 Des Moines, IA

21 0300 WJTR-32 WGEM-10 Quincy, IL
0500 KWQC-36 Davenport, IA
WDJT-46 Milwaukee, WI

30 2230 KOPX-50 Oklahoma City, OK

December

1 0615 KOCB-33 KWTW-39 Oklahoma City, OK
KOCO-7* Oklahoma City, OK
KTBO-15 Oklahoma City, OK
0630 KBSD-6 Ensign, KS
K30AE-D 30 Alva, OK
KWET-8* Cheyenne, OK
1130 KLBY-17 Colby, KS
KHAS-5 Hastings, NE
KSPR-19 Springfield, MO
1135 KSIN-28 Sioux City, IA
KBIN-33 Council Bluffs, IA
1320 KSNB-4 Superior, NE
2200 KCCI-8 Des Moines, IA

2 0550 KDSM-16 Des Moines, IA
 0600 KOPX-50 Oklahoma City, OK
 0700 KOHR-LD 48 Omaha, NE
 0930 KDCU-31 Derby, KS
 WTJR-32 Quincy, IL
 0935 KRCG-9 Cedar Rapids, IA
 1010 KWQC-36 Davenport, IA
 1015 WISC-50 Madison, WI
 KWKB-20 Iowa City, IA
 K30MG-D 30 Kirksville, MO
 1025 KOOD-16 Bunker Hill, KS
 1030 WBUW-32 Janesville, WI
 KHNE-28 Hastings, NE
 KLKN-8 Lincoln, NE
 1300 KCRG-9 Cedar Rapids, IA
 KCCI-8 Des Moines, IA
 1900 KTVO-33 Kirksville, MO
 KAAL-36 Austin, MN
 2045 WCCO-32 Minneapolis, MN

3 0315 KHAS-5 Hastings, NE
 KERA-14 Dallas, TX

30 0930 Es XEFE-2 Juarez, CH

Nothing with too much distance tropo wise, but the opening on October 24 to the southwest was nice as it is unusual to get tropo in that direction. Especially nice was KENW-32 from Portales, NM--my first tropo reception from New Mexico. KASA-2 is the only other station I have seen from that state. A translator on channel 48 from the Oklahoma panhandle was welcome and for the first time I saw KAKE-TV from Wichita on both channel 10 and 21. Channel 21 is difficult with a strong signal here from KTAJ-21 from Kansas City, MO. The KERA-14 reception on December 3 was registered on the Zenith box sometime. I had to leave and may have missed some good Texas reception. Still have not identified the "KTUZ-25" from October 24. Calls are for a low power in Oklahoma City on channel 29. The same organization owns KUTU-25 in Tulsa, but the station could not understand how the KTUZ PSIP could have ended up on the Tulsa channel 25. TBN translator channel 33 is still off and I hope it stays that way.

Dennis Park Smith
 3605 San Remo Dr
 Santa Barbara, CA 93105-2523
 Telephone [\(805\) 687-7803](tel:8056877803)
 Times 24-hour PST

This report is for December 2012. Temps are further cooling, with more unsettled rainy periods. Ocean-water temp went from 60F down to 55. Air temps with highs 60F & lows in 40s since mid Nov. Even lower temps at end of Dec. Therefore, less/no tropo. So-Calif tropo to San Diego/Tijuana/Tecate up to 220 mi:

Nov28-Dec4	None	Rainy period
Dec 5	Poor+	Calm
Dec 6	None	Cold wx front
Dec 7 – 10	Poor	Calm, warming
Dec 11	Poor-fair	
Dec 12 – 18	None	Rainy
Dec 18 – 21	Out of town	To Bay Area
Dec 21 eve	Poor	Calm & cool

Dec22-Jan2 None Rainy, more cooling

Last month, I reported **Nov 6** new d25 "17" San Diego, parallel to analog 17 SDiego (Univision), but I was unsure of calls. After that, Doug Smith noted calls of both stations as KTCD-CA, apparently in transition. Maybe by now, the new DTV is KTCD-CD?

Dec 18-21, I had California holiday visits at two relatives' places in Bay Area. I also took my flat-screen to check signals—all locals/regulars apx 10 to 60 mi, no tropo or other DX, COLD temps. One place, Las Cumbres in Santa Cruz Mtns at 2200 ft ASL favored Salinas/Monterey: twelve DTVs; five LPTV analogs. Other place was Oakland near San Francisco: twenty-three DTVs; *one* analog—this one noted at both places—a new Ch-6 "radio station" (on K-Love FM network) IDing as "87.7 KBKF-LP San Jose" from high-mtn xmtr. It was also heard over wide area on my car FM.

Best of DX to all Dennis

William Draeb
 1304 Ellis St.
 Kewaunee, WI 54216

11/28/12

A bit of tropo activity on the 21st due to a brief warm-up and some pea soup fog. It quickly left after the 22nd.

11/21 Tr
 0550 KWQC-36
 KTVO-33
 KMBC-29
 KIIN-12
 WQAD-38
 0950 WMBD-31 ME TV
 WBME-41
 WTVS-43
 WDIV-45
 WLNS-36
 WEYI-30
 WDCQ-19
 WOTV-20
 WAQP-48
 WSMH-16
 And others

There may be some more this coming weekend as another warming trend is due. We'll see. Bill.



Northern FM DX

Northern FM DX



Keith McGinnis
 18 Newbridge St., Hingham, MA 02043
 longwave@comcast.net 781-875-1944

For Dxeers in the following states: CT IA ID IL IN MA ME MI MN MT ND NE NH NJ NY OH OR PA RI SD VT WA WI WY and all of Canada. Please submit by the 10th of each month.

EDITOR'S NOTE PLEASE SUBMIT ALL REPORTS IN THE FORMAT SHOWN BELOW.

Time(tab)Calls(tab)Freq(tab)City(tab)State(tab)details

*Formats can either be plain text, Word or Excel as long as format is adhered to. Any submissions in other formats may not be used at editor's discretion.
 All Submissions must be in to me by the 10th of each month.*

Jeff Falconer, VA3NN - Clinton ON EN93fo
 Sangean HDT-1X, Sony XDR-F1HD, APS-13 at 22 , 10db preamp
 New=* New calls={XXXX} t=Tentative Time=ELT Distances=Miles

Dec 09 Ms

1201 WMALt 105.9 Woodbridge VA ".of Fort Lincoln is the winner of."
 (Washington, DC suburb) 397

Dec 11 Ms -Geminids

0051 WEZV 105.9 North Myrtle Beach SC AC, RDS PI: WEZV / RT: artist/song /
 PTY: Soft Rock 690
 1526 KQKY 105.9 Kearney NE RDS PI: KQKY / PTY: Adult Hits, previous Es
 911
 1600 KOLY* 99.5 Mobridge SD Legal ID, "Star 99" 935
 2344 KKBO 105.9 Flasher ND RDS PI: KKBO 991

Dec 11 Tr

1401 WJPD 92.3 Ishpeming MI C&W, legal ID 353
 2342 WCFS 105.9 Elmwood Park IL "News Radio WBBM" 332

Dec 12 Ms -Geminids

0000 KYQQ 106.5 Arkansas City KS Spanish, RDS PI: KYQQ, previous Es 918
 1248 WNSC 88.9 Rock Hill SC RDS PI: WNSC / PTY: Public 606

Dec 13 Ms -Geminids

0019 WJBT 93.3 Callahan FL RDS PI: bogus KEUB / PTY: R&B 900
 0032 WVFJ 93.3 Manchester GA "Joy FM", previous Es 747
 0636 WWWZ 93.3 Summerville SC Ad, RDS PI: WWWZ 744
 0644 WUSJ 96.3 Jackson MS ".and WIIN 780." (sister station), previous Es
 923
 0653 WJIZ* 96.3 Albany GA 30 sec burst, "..shop in Albany for
 Christmas,,," RDS PS: WJIZ / PTY: R&B . Several more bursts over the next hour 837
 0725 Unid 105.9 ? ?? RDS PI: bogus WJK, beamed southeast
 0728 WOCL 105.9 DeLand FL RDS PS: WOCL 1013
 0758 WSKY 97.3 Micanopy FL 30 swc burst, ".and a Happy New Year from
 The Sky.", RDS PI:
 WSKY, previous Es 972

0819	WHUR	96.3	Washington	DC	RDS PI: WSKY / PTY: R&B 397
1035	KWFX	100.1	Woodward	OK	".good morning.", RDS PI: KWFX 1072
1111	KXGT	98.3	Carrington	ND	Terry Jacks tune, RDS PI: bogus WFJ 883
1205	KWQW	98.3	Boone	IA	TLK, RDS PI: bogus KWPV 637
1901	WWWZ	93.3	Summerville	SC	Hip-hop, RDS PI: WWWZ 744
1906	WWFF*	93.3	New Market	AL	".on Journey 93-3." 667
1922	KIOA	93.3	Des Moines	IA	Elton John song, RDS PI: KIOA / PTY: Oldies
622					

Dec 13 Tr

0830	WVAQ	101.9	Morgantown	WV	Ad for Morgan town Mall, calls 288
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Dec 14 Ms -Geminids

0047	KTGL	92.9	Beatrice	NE	".on 92.9 The Eagle." 810
0120	KKBO	105.9	Flasher	ND	RDS PI: KKBO / PTY: Adult Hits 991
0136	WIZN*	106.7	Vergennes	VT	RDS PI: WIZN / PTY: Classic Rock, off back
			of antenna for VT # 2 !!		416
0237	KQKY	105.9	Kearney	NE	RDS PI: KQKY / PTY: Adult Hits 911
2354	Unid	93.3	?	??	RDS PI: bogus WLFQ / PTY: Country,
			beamed southwest		

Dec 15 Tr

0003	WAKW	93.3	Cincinnati	OH	Weather, "Star 93-3" 342
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Dec 16 Ms

1216	WOCL	105.9	DeLand	FL	"..their location is at Interstate 4, Exit 111B.."
			(6 mi from DeLand)		1013

Dec 19 Ms

1022	WTUG	92.9	Tuscaloosa	AL	R&B, RDS PS: artist/song / PI: WTUG 797
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Dec 26 Ms

1235	KPCS	89.7	Princeton	MN	Preacher, RDS PI: KPCS / PTY: Religious
	Music	608			

Dec 27 Ms

1025	KQKY	105.9	Kearney	NE	RDS PI: KQKY / PTY: Adult Hits 911
1033	KYQQ	106.5	Arkansas City	KS	Spanish, RDS PI: KYQQ 918

Dec 28 Es -MUF 105.9 briefly

1717	WKCP	89.7	Miami	FL	CLA, RDS PS: Classical South Florida / PI:
	WKCP	1247			
1718	WCNO	89.9	Palm City	FL	Giving mailing address 1139
1720	WJLH*	90.3	Flagler Beach	FL	GOS, RDS PS: artist/song / PI: WJLU (sister
			station)		982
1722	WMFE	90.7	Orlando	FL	News, RDS PS: ALL THINGS CONSIDERED /
			PI: WMFE		1035
1723	WOCL	105.9	DeLand	FL	AC, RDS PS: WOCL 1013
1724	WMBX	102.3	Jensen Beach	FL	"X 102.3", HD 2 CH 1146
1726	WNSS*	89.3	Palm Coast	FL	REL: AC, RDS PS: WNSS 970
1728	WSOR	90.9	Naples	FL	REL, RDS PS: WSOR 1191
1729	WLAZ	89.1	Kissimmee	FL	Spanish jingle ID 1065
1730	WPOZ	88.3	Union Park	FL	"Z88.3 Stress Saver Traffic Report", HD 3 CH
			1035		
1732	WJLU*	89.7	New Smyrna Beach	FL	REL, RDS PS: FAMILY NEWS IN
			FOCUS / PI: WJLU		1007
1734	WQCS	88.9	Fort Pierce	FL	All Things Considered, HD 3 CH 1113

1740	WAVW	92.7	Stuart	FL	C&W over local CJBX, HD 1129
1743	WGYL	93.7	Vero Beach	FL	AC, RDS PS: artist/song / PI: WGYL 1106
1746	WMGE	94.9	Miami Beach	FL	Spanish, "Mega" 1218
1749	WSMR	89.1	Sarasota	FL	CLA, RDS PS: WSMR89.1 / PI: bogus WVO
1139					
1800	WYFE	88.9	Tarpon Springs	FL	Legal ID 1052

Dec 28 Ms

2041	WNSC	88.9	Rock Hill	SC	TLK, RDS PS: WNSC / RT: SCET / PTY: Public 606
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Dec 29 Ms

2051	WNSC	88.9	Rock Hill	SC	TLK, RDS PS: WNSC / PTY: Public 606
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Dec 30 Ms

1655	WLBF	89.1	Montgomery	AL	Preacher, RDS PS: Faith Radio / PI: bogus KALE 813
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2013

Jan 01 Tr

1234	WMVR	105.5	Sidney	OH	Ads, rare 264
1252	WCHO	105.5	Washington Ct House	OH	"Buckeye Country Weather" 307

Jan 01 Es -MUF104.3

1655	CIJK	89.3	Kentville	NS	Rock, RDS PS: K-ROCK / PI: bogus WMV 854
1711	CHNS	89.9	Halifax	NS	Rock, "Hal FM" 890
1712	CBAX	91.5	Halifax	NS	French, RDS PS: ESPACE MUSIQUE 890
1713	CBAF5	92.3	Halifax	NS	CBC French, mono 890
1714	CFLT	92.9	Dartmouth	NS	Soft rock, RDS RT: TODAY'S LITE ROCK / PI: bogus WNB 890
1716	CIOO	100.1	Halifax	NS	Ads 890
1717	CJHK*	100.7	Bridgewater	NS	C&W //stream 841
1719	CFRQ	104.3	Dartmouth	NS	Spingsteen song, RDS PS: Q104-FM 890

Jan 02 Ms -Quadrantids

1815	WWIO	88.9	Brunswick	GA	RDS PS: WWIO / PTY: Classical 857
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Jan 03 Ms -Quadrantids

0649	WWNU*	92.1	Irmo	SC	".on 92.1 The Palm." 658
0657	WEPR	90.1	Greenville	SC	RDS PI: bogus WCX / PTY: Public 600
1221	WZEW	92.1	Fairhope	AL	".on 92 Zoo.", RDS PS: 92 ZEW / PI: WZEW 972
1312	WMFS	92.9	Bartlett	TN	"Sports Radio 92.9", RDS PI: bogus WKA 735
1330	KIOA	93.3	Des Moines	IA	RDS PI: KIOA / PTY: Oldies 622
1354	KMGL	104.1	Oklahoma City	OK	".Magic 104." 1014
1356	WHHL*	104.1	Hazelwood	MO	".Hot 104." 570
1403	KYQQ	106.5	Arkansas City	AR	Spanish, RDS PI: KYQQ 918
1404	KMCX	106.5	Ogallala	NE	30 sec burst, weather report, RDS PS: Hot Country / PI: KMCX, previous Es 1043
1405	KCQQ	106.5	Davenport	IA	RDS PS: Q106.5 / PI: KCQQ, previous Tr 472
1407	WDAF	106.5	Liberty	MO	C&W //stream, RDS PI: bogus KCIY 741
1500	KNGM	88.9	Guymon	OK	"KJIL Weather" jingle 1155
1555	KYLF*	88.9	Adrian	MO	"This is Bott Radio 88.9, KYLF, Adrian" 763
1600	KGLV*	88.9	Manhattan	KS	"KGLV, Topeka, Manhattan, Kansas City" 818

1629 KHLA 92.9 Jennings LA ".92-9 The Lake.", previous Es 1121

Jan 05 Ms

1341 KEOM 88.5 Mesquite TX Elvis //stream 1108

Jan 08 Ms

1341 WVGA 105.9 Lakeland GA RDS PS: WGVA / PI: WGVA, previous Es 871

Keith McGinnis
Hingham MA 02043

Equipment: Perseus SDR with FM+ Downconverter and Studio 1 Software
Antennas: Innov 11 element (main) and MD-10 (phase): Bolin Phase Box

New only listed in this report

July 6 Es

1217 WDOR 93.9 Sturgeon WI WDOR mentioned and local ads
1239 WNBY 93.9 Newberry MI

July 11 Tr

2335 WHYY 90.9 Philadelphia PA with local WBUR phased

July 16 Es

1858 WAQG 91.7 Ozark AL mentions of Culture Arts Ctr in Dothan
1859 WTJT 90.1 Baker FL

July 29 Tr

1600 WFYB 91.5 Fryeburg ME local weather into ID

Mike Bugaj - Enfield, CT 06082 NAD 4155 tuner, RDS Spy, APS-13

All relogs.

9/13 Tr

1006 WOGL 98.1 Philadelphia, calls, oldies, rare here now due to channel congestion and IBOC.

10/18 Tr

2000 WQCB 106.5 Brewer, ME 250mi
2010 WPKQ 103.7 Mt. Washington, NH //WPKQ 97.5
2225 CHSJ 94.1 St. John, NB, St. John Nissan adv.

11/23 Tr

1135 WERX 102.5 Columbia, NC PI=6109, R/T=1025theshark.com

12/28 Es

1720 WHOD 94.5 Jackson, AL, Dixie94.5
1723 WPAS 89.1 Pascagoula, MS PI=7c56, Pty=Rel Music
1723 WBLX92.9 Mobile, AL Pty =R&B, R/T=93BLX THE BIG STATION 93X 251-471-3993
1730 WYLD98.5 New Orleans, LA, calls

1/13/2013 Es

1843 WMEQ 92.1 Menomonie, WI, classic rock 92.1

A 14el 88-108MHz OP-DES FM Yagi

KEITH MCGINNIS



The lack of FM dx antennas that are currently available has been a concern for many dxers. Luckily that concern has now been addressed. On the WTFDA list early last year Bill Hein of Innov Antennas mentioned that Innov might produce a new FM antenna if there was some interest. Innov is a UK (now also in the US) company that produced high end amateur antennas. Bill kept me updated during the winter and spring and then sometime in mid spring announced that they had produced an 8 element, 11 element and 14 element antenna. Based upon some really good things I heard about their ham antennas and Bill's enthusiasm, I jumped at the chance to get one. I went ahead and purchased an 11 and 14 element antenna while Bill Nollman got a 14 element to test out against his APS13.

There were some initial problems with the correct parts and instructions for both of us but the guys at Innov (Bill Hein and Justin Lee Johnson) were very helpful and eventually got the correct parts out to us. Bill Nollman got his 14 element up before I got either of mine up. The 14 element is a big and heavy unit (twice the weight of the APS13) and is built like a tank. The 11 element is a little heavier than the APS 13 and is also well built. Construction of both the 11 element and 14 are not like the APS13. You don't simply put the boom parts together and just unsnap the elements. With the Innov antennas you assemble the boom and then attach heavy duty clamps on the boom as explained in the instructions. The elements (which are rock solid) are then slid through the clamps and tightened down once they are in their proper place. Each element is marked so you know its order on the boom. Construction of the 11 element took about 90 minutes or so the first time around. The second time (yes I purchased a second) took about 30 minutes once I knew what I was doing. The other interesting thing is the connection of the coax to the antenna. Normally you attach the coax to a balun which is affixed to the mast. With the Innov antennas you strip down the end of the coax for direct connection to the connector on the boom (weatherize it of course). The 14 element requires the use a guy rope (included) to be used with the boom element and the mast. It also requires a larger mast (1.5 to 2 inches compared to the traditional 1.25 inch mast) and more heavy duty rotor (a good ham rotor) according to Bill Nollman. However he did get it up and running with a smaller mast and rotor and his results were pretty even compared to the APS 13. Bill decided not to keep the 14 element (which I took possession of) not because it wasn't a good antenna but rather that he already had a number of APS13's.

I finally got my 11 element up in late July. My APS 13 had died during an ice and snow storm in 2011 so I had nothing except my Magnum Dynalab MD-10 to compare it against. The MD-10 had a lot of gain but was noisy and prone to overload. The F/B on the MD-10 wasn't good either. The Innov 11 element was like night and day. Gain was better than the MD-10. Mind you I'm not a technical person at all but it was anywhere from 4-8 db's better!!. The pattern is also a lot tighter and the FB is excellent. I can point NE toward Maine and Providence stations are much weaker off the back as compared to the MD-10. With the Innov 11 element I was able to hear stuff under dead band conditions that were not there with the MD-10. Even though I didn't have the APS 13 to compare it against IMHO I would say the 11 element was equal to if not a little better than the APS13. I liked my 11 element so much that I decided to swap out my 14 element for a second 11 element.

Here is a link to their FM antennas

http://www.innovantennas.us/index.php?option=com_virtuemart&view=category&virtuemart_category_id=22&Itemid=167

As you can see they've now included a 17 and an 18 element antenna to their line. Overall I'm quite impressed with these antennas. I plan on purchasing an 8 element for road trips, etc.

Please feel free to contact me with any questions as writing reviews isn't one of my fortes (but you did a good job with it –Mike).

Keith McGinnis Hingham Ma

longwave@comcast.net

The ADS TECH INSTANT FM MUSIC DONGLE

THIS DONGLE CAN COST YOU AS LITTLE AS \$2.00 USD ON AMAZON.COM



Here's a little item some of you might be interested in, especially if you have a desktop or a laptop computer. What it is – is an FM radio that plugs into a USB port on your computer. The proper name for it is ADS Tech Instant FM Music model RDX-155.

This little unit is built around the Silicon Labs SI-4703 chip, which means it has great adjacent channel selectivity like you would see with a Grundig G8 or similar.

The dongle will support both USB2.0 and USB1.1. XP and Vista are supported but the unit can be made to work with Windows 7. Sample rate is 192khz which is good. The tuner will show RDS (PS info, not PI codes) and seems quick to respond when a station using RDS is found. This tuner tunes 76-108mhz. The software itself resembles an FM radio with scan, seek, up/down buttons for tuning, a four bar signal meter and mono/stereo indicator. This radio will also allow you to record off-air. It records audio as .wav files. It also plays back .wav files.



All you need to get started is to plug the tuner into a USB port and load the software, which comes on a CD. All you need to load are the drivers and the radio files. Ignore the other files.

If you get a bogus (292.1mhz) frequency in the display, just unplug the dongle and plug it back, which should reset the tuner to a recognizable frequency.

The tuner comes with a wire antenna, which is just plain awful, and if you use it, you may be very disappointed. I would suggest snipping the antenna wire a few inches away from the connector, splitting it in two with a sharp utility knife, stripping the ends a little and connecting the ends to a set of bunny ears. Or I would look for an MCX ->female F connector to use with an outdoor antenna.

You will have to do one little modification to the tuner. You will either have to solder a short wire from the

outer shield of the USB connector to the shield of the antenna connector, or you could just wrap the entire dongle in aluminum foil ensuring that the foil touches the outside of the USB connector and touches the antenna connector (and does not cover the air holes on either side of the tuner cover). For those who can solder, the dongle is really easy to take apart. Once apart, solder a wire from the place just mentioned, put the covers back and nobody will ever know. Leave the cover at the USB connector off for ventilation and wrap the whole thing in aluminum foil.

This radio will work okay with a set of cheap TV rabbit ears. I get all my locals with RDS and I get stations like WPLR 99.1 and WKCI 101.3 at 50 miles with RDS.

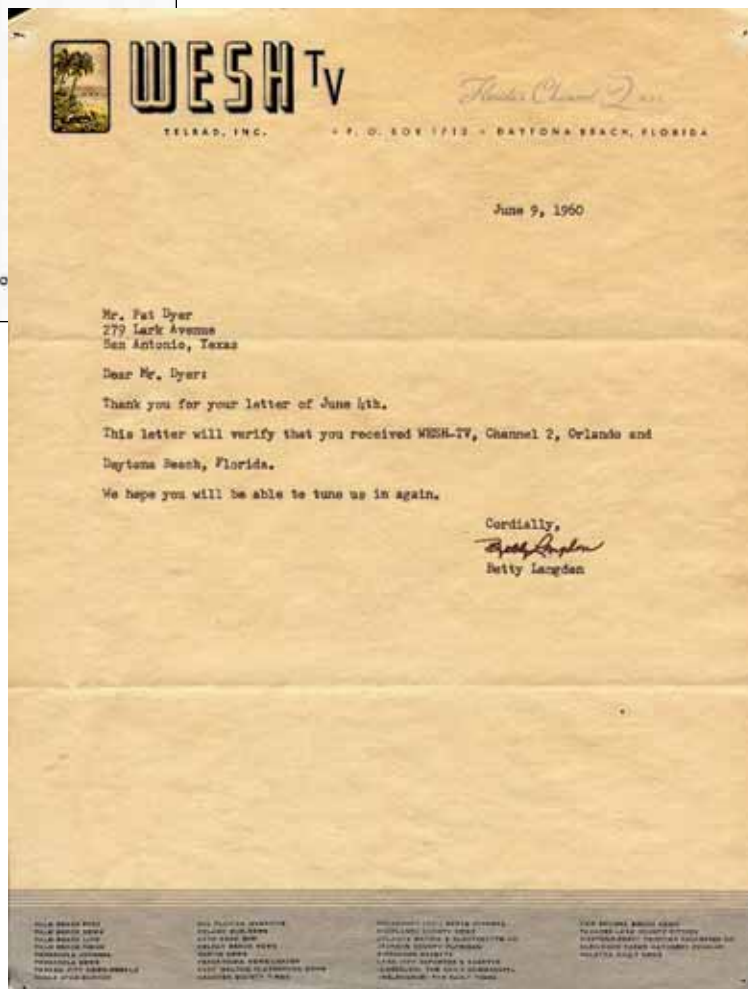
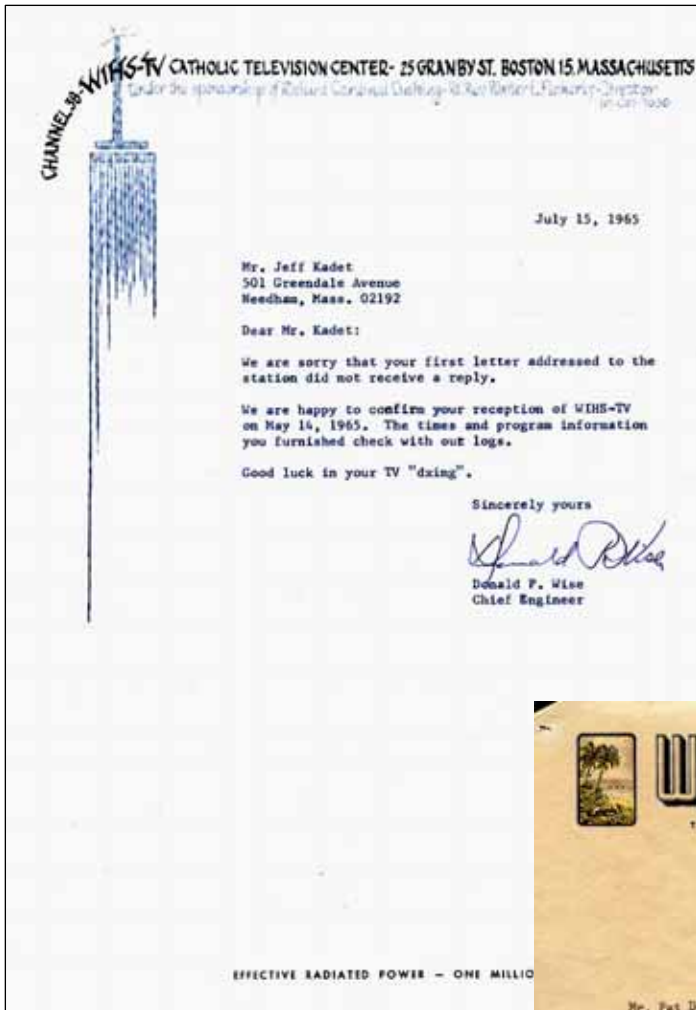
The radio will work better with an outdoor antenna. With my APS-13 used as an antenna, I hear a few Boston stations and three Providence FMers. Under dead conditions stations like WHAI 98.3 at 50 miles show RDS. WRKI and WEBE 107.9 at around 70 miles are full quieting but no RDS.

The radio does act like a Grundig G8. Nothing, not even locals with 4 bars on the signal meter, overloads.

It's not an XDR-F1HD by any means, but I think it's worth having. On trips it takes up much less space than a G8 and probably annoys TSA less, but you do need to take something to use as an antenna. I could have used this in the Bahamas a few months back to check on the stations' RDS (or lack of) since the G8 doesn't show RDS. If you have a spare dollar or two available (mine cost \$1.90 on amazon!!), check it out!

Please see the thread at <http://forums.wtfd.org> in the DX equipment section for more info. Have fun with it! –Mike Bugaj

THOSE WERE THE DAYS!



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