



CLICK TO PLAY! (ACROBAT MIGHT POP-UP A "DO YOU TRUST THIS" MESSAGE BOX)

Groovy Test Pattern for "Star Ray TV",
a pirate DTV station in Toronto (on RF 22)
Video Courtesy Bill Hepburn

EASTERN US SEES GREAT E-SKIP... FOR A JANUARY

MULTIPLE TV AFFILIATION CHANGES HAPPENING THIS MONTH

The Official Publication of the Worldwide TV-FM DX Association



METEOR SHOWERS

Lyrids

APRIL 18-25

Eta Aquariids

APRIL 24- MAY 19



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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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The Mailbox

PAGE TWO

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Mike Bugaj - Enfield, CT mikeb@wtfda.org



February 2016

I hope at least some of you got to catch some of the Es that was floating around North America during late December and into January. It was out there. This year we really did have a winter Es season!

MEMBERS AND MORE

During the period from 12/15 through 1/13 we had renewals from Brian May (CT), Barry Bauer (DE), Garth Jensen (ON), David Wurl (WI), Fred MacCormack (MN), Adam Rivers (CT), Russ Edmunds (PA), Chester Jaffee (CA), Chris Lucas (NY), Roger Sabella (IL), Paul Mitschler (NM), Dave Pomeroy (KS) Cal Glover (NC) and Craig Healy (RI). We also had Peter Giacobelli and David Yocis rejoin WTFDA. Those of you who are also NRC members should be familiar with David. David is in DC and Pete is on Long Island. Pete is at a new address and hopes to become a little more active in the hobby now.

I received a piece of sad news from WTFDA member Randy Miltier in Ashland, Oregon regarding the death of long time club member Lenny Goldberg, also of Ashland. According to Randy, Lenny passed away back in September.

I exchanged emails with Lenny a few times. I knew he was sick for quite a while. I knew he was originally from New York City and really loved '50s doo-wop rock music. He had a record store in Ashland called CD or Not CD that specialized in obscure records and music. If you are interested, this link tells you a bit about him: <http://www.dailytidings.com/article/20150921/NEWS/150929970>.



THE CONVENTION!

DXers in AM, FM and TV, including the NRC, IRCA, WTFDA and DecalcoMania will gather on September 9-11, 2016 in Kansas City, MO. It will be held at the Hyatt Place Kansas City Airport, 7600 NW 97th Terrace, I-29 sw of exit 10.

Hotel Registration: 1-816-891-0871x3, ask for the group rate for the National Radio Club. The group code is G-NRCC. Reservations will need to be secured by 8/18/16.

<http://kansascityairport.place.hyatt.com/en/hotel/home.html> Rates are \$99.00 per night for 1 to 3 persons per room plus taxes and fees. Plan to arrive on Thursday for 3 nights and ends on Sunday noon. Free airport transfers and breakfast each morning.

Convention Registration: \$55.00 per person which includes a free Friday evening pizza party and Saturday evening banquet. Checks made payable to NATIONAL RADIO CLUB and sent to ERNEST J. WESOLOWSKI, 13312 Westwood Lane, Omaha, NE 68144-3543. Pay-Pal available – add one dollar. Please mention which clubs you belong to for club treasury info. Dale Hamm, Mark Durenberger, Carl Dabelstein and Ernie are your hosts

Schedule as of now: Friday AM station tours. Saturday tech talks, the Quiz on Sunday AM. More fun and goodies to follow.

WHAT'S THE INCENTIVE??

The following information comes from the [FCC Website](#).

Q. When will the incentive auction take place?

A. The broadcast incentive auction is scheduled to begin on March 29, 2016. TV stations that are considering participation in the reverse auction must submit an application prior to 6pm on January 12, 2016; entities seeking to buy wireless spectrum in the forward auction must apply prior to 6pm on February 9, 2016.

Q. Are all broadcasters required to participate in the incentive auction?

A. Participation in the incentive auction is entirely voluntary. Stations that are not interested in relinquishing spectrum usage rights in exchange for payment of auction proceeds need do nothing. After the auction there will be fewer available channels for TV, but Congress has mandated that the FCC make all reasonable efforts to preserve the geographic footprint and population served of each station that participated (or would have been eligible to participate) in the auction but ultimately remains on the air.

Q. When does the auction end?

A. The auction does not have a set "end date." The auction will conclude when forward auction proceeds meet the threshold established in the Commission's rules and are sufficient to cover the prices awarded to TV stations in the reverse auction, a \$1.75 billion relocation fund for eligible TV stations moving to a new channel, and other administrative costs related to designing and conducting the auction.

Q. What happens when the incentive auction ends?

A. After bidding in the reverse and forward auctions ends, the Commission will publicly announce the auction results including the winning bidders in both auctions and those TV stations that will be reassigned to new channels (or "repacked"). The release of this public notice will begin the 39-month post-auction transition period.

Q. What will happen during the 39 month post-auction television transition?

A. Transition specifics will vary by market depending on which broadcasters participate in the incentive auction, which ones are selected as winning bidders, and which spectrum relinquishment options they chose. During this transition period, some stations that were winning bidders in the auction will relinquish their spectrum usage rights and discontinue over-the-air operations. Other winning bidders will relinquish their existing television channel and begin sharing another station's channel. Still other winning bidders will voluntarily switch from a higher frequency (like a UHF channel) to a lower frequency (like a VHF channel). Stations that did not participate or submit winning bids in the auction may also have their channel assignment changed as a result of the repacking process.

Any of these changes could affect which stations may be received over-the-air by viewers in a particular area. If you receive a station over-the-air and that station receives a new channel assignment, you will need to scan for new channels, but cable and satellite subscribers should not need to do anything.

Well there you have it. It's everything you need to know about the auction. The auction ends when the government gets enough money to pay all the winners. Once that's done, they get three years and three months to either bite the dust, share with someone else or move from UHF to either high band VHF or to that much-in-demand low VHF band.

And when they are done will UHF still be DXable? What about highband VHF? Will any station even want to relocate to lowband VHF when they already know how inferior conditions on that band are or will that band fill up anyway? Where is a crystal ball when we need it.

I see a wall outlet with a cord called TV DXing plugged into it. Will it remain connected or will the plug finally be pulled on TV DXing? We'll just have to wait and see. And we will see you next month, I hope. -Mike

TV News

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February 2016












Abbreviations:

- Aux **A**uxiliary (backup) transmitter
- FTP **F**ailure to **P**rosecute
- ROA **R**quest of **A**pplicant
- STA **S**pecial **T**emporary **A**uthority
- LPDTV **L**ow **P**ower **D**igital **T**V
- DRT **D**igital **R**eplacement **T**ranslator

News:

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

Location	RF Ch	Callsign	Notes
			
New Brunswick			
<i>Upsalquitch</i>	12	<i>CKAM-TV</i>	<i>CX, deleted after Bell showed only 200 people were watching this transmitter</i>
			
Arkansas			
Jonesboro	45	K45MD	Requests power increase to 15kw, 34-59-21/89-51-44 (Olive Branch, Miss., just across the state line from Memphis)

Location	RF Ch	Callsign	Notes
			
California			
San Diego	7	KZTC-LP	Requests power increase to 3kw
			
Colorado			
Grand Junction	2	KREX-TV	Requests tower height reduction to -36m
			
District of Columbia			
Washington	32	WRZB-LD	Requests power increase to 15kw
			
Florida			
Crestview	43	WGOX-LD	Power reduced to 4kw, 30-51-48/87-30-54
Sebastian	24	WDOX-LD	Requests power reduction to 4.55kw, 27-01-30/80-10-42
West Palm Beach	27	WXEL-TV	Requests site correction to 26-34-29/80-14-31
			
Georgia			
Athens	22	WQDS-LD	Requests power reduction to 8.614kw, 34-46-28/82-41-17; call changed from W22DS
			
Illinois			
Quincy	40	W4ØDM	Requests power reduction to 6kw
			
Indiana			
Evansville	27	W27DH	Requests site change to 38-10-42/86-52-56
Evansville	33	W33CU	Requests power increase to 10kw, 37-44-59/88-21-52
Fort Wayne	43	W43DI	Request power reduction to 6kw
	49	WODP-LD	

Location	RF Ch	Callsign	Notes
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Iowa

Cedar Rapids	24, 45	KRUB-LD, KCDR-LD	Requests power change to 6kw, 42-04-52/91-41-44
Fort Dodge	28	K28NF	Requests site change to 42-00-27/94-14-26



Kansas

Kansas City	22	KMJC-LD	Power increased to 1.1kw, 38-37-21/94-59-13; moved from Topeka; requests further increase to 15kw, 38-35-09/94-37-13
Topeka	16	KAJF-LD	Power increased to 15kw, 39-00-56/94-30-24
Topeka	38	KCMN-LD	Requests power reduction to 3kw, 39-01-09/95-30-09 (Topeka Service Area, Kansas Turnpike)



Kentucky

Bowling Green	35	WCTZ-LD	Requests site change to 36-28-21/86-40-54
Pikeville	24	WKPI-TV	Power reduced to 44.9kw/433m









Massachusetts

Leicester	25	WCRN-LP	Application for new station, 15kw, 42-03-12/71-49-05; Digital Companion Channel for analog 34.
Springfield	34	WTXX-LP	Requests conversion to digital, 15kw



Michigan

Detroit	19	WUDL-LD	Requests move from channel 47, 15kw, 42-26-52/83-10-23
Detroit	47	WUDL-LD	Requests power increase to 3kw, 42-19-44/83-02-24
Grand Rapids	13	WZZM	New auxiliary backup transmitter on the air, 12.3kw/226m
Lake City	14	WMNN-LD	Power increased to 1.97kw, 44-14-26/85-18-59

Location	RF Ch	Callsign	Notes
			
Missouri			
Joplin	39	KZLL-LD	Requests site change to 36-42-00/94-59-29 (Afton, Okla.)
			
Montana			
Philipsburg	17, 25, 30	K17JS, K25LF, K3ØKY	Power increased to 154 watts, 46-15-49/113-14-59
Townsend	4	KØ4QX	Requests power increase to 65 watts, 46-16-48/111-24-57
Townsend	7, 11, 13	KØ7EJ, K11WM, K13KH	Requests power decrease to 17 watts, 46-16-48/111-24-57
			
Nebraska			
Grand Island	21	K21LX	Requests site change to 40-55-30/98-20-24
Hastings	30	K3ØMQ	Requests site change to 40-36-08/98-50-21
Ord	4	KØ4HL	License renewal dismissed; analog station
			
New Mexico			
Farmington	34	K34MY	New, 15kw, 36-39-16/108-12-03 (Ramar Communications)
			
North Carolina			
Fayetteville	22	WIRP-LD	Requests site change to 35-52-15/79-09-39
Wilmington	22	W22DQ	Requests site change to 34-07-53/78-11-17; already granted (WHQR-FM tower W of Winnabow)
			
Ohio			
Canton	25	W25EK	Requests power reduction to 500 watts, 41-29-13/81-41-01 (3 rd St. & Cuyahoga River, Cleveland)
Canton	43	W43DB	Requests power increase to 15kw, 41-29-13/81-41-01 (3 rd St. & Cuyahoga River, Cleveland)

Location	RF Ch	Callsign	Notes
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South Carolina

Florence	14, 35	W14EB, WUCV-LD	Site changed to 34-33-25/80-26-39; requests further change to 34-52-32/80-47-50
Florence	19, 22	W19DX, W22EQ	Requests power increase to 8kw, 33-38-24/79-54-01
Myrtle Beach	15, 23	W15CY, WLDW-LD	Requests power increase to 15kw, 33-32-02/79-59-14. WLDW-LD site changed to 33-43-33/79-46-58



South Dakota

Aberdeen	24	K24DT	Converted to digital, 737 watts
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Tennessee

Chattanooga	38	WOOT-LD	Converted from digital & moved from channel 6, 15kw, 35-15-00/85-13-11
Jackson	50	W5ØEH	Requests site change to 35-49-13/88-15-05 (I-40 & Tenn. 114, Natchez Trace State Park)



Texas

Beaumont	40	KBMN-LD	Requests power increase to 6kw
College Station	34	KZCZ-LD	Granted site change to 31-18-44/97-15-25, 15kw
Lufkin	47	K47NF	Requests power increase to 6kw
Plainview	31	K31MX	Converted to digital, 2.3kw, 33-51-46/101-40-08; was analog K44GL.
San Antonio	47	KSSJ-LD	Converted to digital from analog channel 42, 6kw, 29-41-05/98-26-57; requests power increase to 15kw, 29-44-48/98-13-05



Washington

Ellensburg	6	KØ6QH	Requests site change to 47-09-37/120-47-33
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West Virginia

Charleston	21	WOCW-LP	Requests power reduction to 6kw, 38-24-27/81-54-12
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FM Facilities Report

February 2016

Check FM Database at <http://db.wtfda.org> for technical data, formats, slogans and RDS Data for Individual Stations not shown in this Monthly Report.

Abbreviations:

AF- New Station Applied For	NW-New Station on the Air	QR-Freq Change Requested
Aux- Auxiliary Backup Transmitter	PC-Power/Height Change on the Air	QG-Freq Change Granted
CC- Call Change	PG-Power Change Granted	ROA-Request of Applicant
CX-Canceled CL-City of License	PR-Power Change Requested	XC-transmitter site changed
NS-New Station Permit Granted	RA>Returns to the Air	XG/XR-new site granted/requested

AB	Chelsea	96.9	WLXY-LP	PC 163m, 33-23-41/86-39-47
AB	Cochrane	91.5	NEW	AF denied. Denied for non-technical reasons. (unfair competition in Calgary)
AK	Anchorage	99.7	NEW	AF 3w/-121m, 61-05-47/149-49-19
AK	Anchorage	97.7	KVBV-LP	AF -91m, 61-10-51/149-49-49 reinstated
AK	Iliamna	94.3	K232EV	NW 250w, 59-45-19/154-52-07
AK	Nenana	91.1	K216AN	XG 64-34-40/149-04-41
AK	Nenana	91.1	K216AN	XC 64-34-40/149-04-41
AK	Primrose	97.9	NEW	AF 99w, 60-15-23/149-20-59 reinstated
AK	Primrose	107.1	NEW-xltr	AF 10w, 60-20-42/149-18-59
AK	Seward	97.5	NEW-xltr	AF 100w, 60-11-54/149-22-40; amendment from 250w & to change site
AR	Booneville	105.9	K288CH	QC from 105.5, 250w
AR	El Dorado	103.3	KIXB	AF 1kw/63m, 33-14-14/92-39-54 (aux)
AR	El Dorado	103.3	KIXB	NS 1kw/63m, 33-14-14/92-39-54 (aux)
AR	Fayetteville	98.7	KDIV-LP	NW 15m, 36-01-59/94-10-36
AR	Forrest City	91.5	KSIP	AF 50w/26m, 35-00-31/90-47-09 (aux)
AR	Forrest City	91.5	KSIP	NS 50w/26m, 35-00-31/90-47-09 (aux)
AR	Forrest City	91.5	KSIP	NW 50w/26m, 35-00-31/90-47-09 (aux)
AR	Fort Smith	105.5	K285CN	QG from 104.9, 243w/165m, 35-21-16/94-25-53
AR	Fort Smith	93.7	KISR	AF 3.4kw/318m (aux)
AR	Fort Smith	93.7	KISR	NS 3.4kw/318m (aux)
AR	Hot Springs	88.7	K204DI	PG>34w
AR	Hot Springs	88.7	K204DI	PC>34w
AR	Johnson	97.7	K249EV	QG from K250AX-97.9 via 97.5, 36-08-50/94-11-13; CL from Siloam Springs
AR	Pine Bluff	103.3	K277BT	PC<205w, 34-32-07/92-24-34
AZ	Buckeye	95.9	K240DC	XR 33-34-09/112-33-33
AZ	Bullhead City	96.3	K242AS	PR>45w
AZ	Bullhead City	96.3	K242AS	PG>45w
AZ	Flagstaff	94.5	KOII-LP	NW -130m, 35-11-54/111-38-56
AZ	Ft. McDowell	96.1	K241BQ	PG<120w, 33-19-57/112-03-48
AZ	Lake Havasu City	106.3	K292GC	PR<95w, 34-29-10/114-13-08
AZ	Lake Havasu City	106.3	K292GC	PG<95w, 34-29-10/114-13-08
AZ	Page	98.1	K252FG	QR from 98.3, 70w, 37-00-42/111-40-48
AZ	Page	98.3	K252FG	PR>250w, 37-00-37/111-40-48; amendment from 70w, to change site, and delete frequency change to 98.1
AZ	Payson	97.3	K247CF	PC>250w, 33-29-33/111-38-24
AZ	Peach Springs	100.9	KWLP	NW 2.2kw/167m, 35-33-17/113-23-41
AZ	Prescott	90.5	K210EX	QR from 89.9, 23w
AZ	Prescott	98.7	K254CB	XR 34-29-24/112-31-59
AZ	Prescott	99.9	K260BL	PR<9w, 34-29-24/112-31-59
AZ	Prescott	97.9	K250BI	XR 34-29-25/112-32-02; CL from Nothing
AZ	Prescott	103.9	K265CI	QR from 100.9, 250w, 34-29-25/112-32-00
AZ	Rough Rock	99.5	NEW	NS 3.9kw/488m, 36-21-08/109-49-54
AZ	Tubac	100.5	KTBX	QR from 98.1, 3kw/1m, 31-45-52/110-56-50 dismissed
AZ	Whiteriver	88.9	K204GD	QC from 88.7, 33-47-21/109-58-09

CA	Alturas	97.9	KMAI-LP	PR<-78m, 41-29-51/120-32-19
CA	Barstow	101.3	KCEQ	PR 2.25kw/165m
CA	Camarillo	95.9	KOCP	PG<1kw/245m, 34-25-20/119-02-04
CA	Carmel Valley	94.7	K288GV	QR from 105.5, 36-32-05/121-37-14; CL from Soledad
CA	Chualar	93.1	KXSM	PG<1.4kw/178m, 36-27-51/121-17-52
CA	El Dorado Hills	103.3	K277DA	QG from K278CA-103.5, 14w, 38-43-11/120-59-22; CL from Folsom
CA	Firebaugh	94.7	KYAF	NW 900w/20m, 36-51-37/120-27-19
CA	Halloran Springs	101.3	K267BZ	QG from W269GK-101.7, 250w, 35-37-41/115-16-24
CA	Halloran Springs	101.3	K269GK	QC from 101.7, 250w, 35-37-41/115-16-24
CA	Long Beach	99.1	NEW-lpfm	AF 12m, 33-44-47/118-16-45; amendment from 38m
CA	Long Beach	99.1	NEW-lpfm	NS 12m, 33-44-47/118-16-45
CA	Mammoth Lakes	99.9	K260CO	QG from K207EZ-89.3
CA	Marysville	94.3	KXMJ-LP	NW 15m, 39-07-23/121-37-29
CA	Montecito	92.9	KJEE	PG 842w/238m, 34-27-56/119-40-37
CA	Panorama City	101.5	NEW-lpfm	AF -87m,34-15-11/118-24-33; amendment from -66m & to change site
CA	Perris	91.1	KNVE	PG>285w/464m
CA	Quartz Hill	104.7	K284CD	PG<8w, 34-32-50/118-12-44
CA	Redding	91.3	KARQ	QR from 91.5, 110w/381m, 40-39-16/122-31-16
CA	Redding	97.7	K249EW	QG from K225AJ-92.9
CA	Rosamond	93.5	KQAV	PG 6kw/27m, 34-49-39/118-11-05
CA	San Francisco	101.7	K269FB	PR>240w, 37-47-36/122-24-47; CL from Sausalito
CA	Santa Cruz	89.3	KZJV	NW 300w/-110m, 37-04-33/122-04-29
CA	Scotts Valley	89.3	NEW	NW 72w/378m, 37-03-43/122-07-14
CA	Sonora	107.7	K246BX	QR from 97.1, 132m, 38-01-01/120-13-51
CA	Stockton	102.9	K275BT	NW 38w/106m, 37-57-30/121-16-55
CA	Stockton	105.3	K287BS	PG>170w, 37-55-37/121-23-45
CA	Vallejo	89.5	KZCT	PR 1kw/12m, 38-06-59/122-16-04 dismissed 73.509 prohibited overlap
CA	West Covina	101.5	NEW-lpfm	AF -69m, 34-03-46/117-56-58; amendment from -16m
CO	Boone	100.3	K262BB	PG<99w, 38-17-48/104-38-47
CO	Boone	100.3	K262BB	PC<99w, 38-17-48/104-38-47
CO	Denver	100.3	KIMN	PC 98.6kw/344m, 39-40-24/105-13-03
CO	Denver	90.1	KCFR-FM	PG>68.3kw/326m, 39-40-24/105-13-03
CO	Denver	100.3	KIMN	CX (aux only, main remains valid)
CO	Fountain	106.7	K294CH	PR>99w, 38-49-08/104-46-32; CL from Divide
CO	Golden	90.7	K268CK	QR from 101.5, 14w, 39-47-05/105-12-56
CO	Golden	90.7	K214FE	QG from K268CK-101.5, 14w, 39-47-05/105-12-56
CO	Granby	100.7	K264BO	PR<99w, 39-43-45/105-14-08
CO	Granby	100.7	K264BO	PG<99w, 39-43-45/105-14-08
CO	Longmont	92.9	K225BS	PR>49w, 39-54-47/105-17-32
CO	Longmont	92.9	K225BS	PG<49w, 39-54-47/105-17-32
CO	Masonville	104.7	K284BY	PR<49w (from 50w), 40-13-43/105-10-08
CO	Montrose	93.3	K228EV	QR from 93.5, 250w, 38-28-08/107-53-07 dismissed ROA; going for site change to 38-23-15/107-40-28 without frequency change or power increase
CO	Montrose	100.1	K262BT	QR from 100.3, 250w, 38-28-08/107-53-07 dismissed ROA; going for site change to 38-23-15/107-40-28 without frequency change or power increase
CO	Montrose	93.5	K228EV	XR 38-23-15/107-40-28; CL from Cimarron
CO	Montrose	100.3	K262BT	XR 38-23-15/107-40-28
CO	Montrose	93.5	K228EV	XG 38-23-15/107-40-26; CL from Cimarron
CO	Montrose	100.3	K262BT	XG 38-23-15/107-40-26
CO	Oak Creek	100.1	K261EO	QG from K258CJ-99.5, 23w, 40-27-05/106-45-04
CO	Security	105.5	KRDO-FM	PC 1.6kw/652m, 38-44-45/104-51-37
CO	Sterling	92.9	K223BV	QR from 92.5, 200w; CL from Atwood
CO	Sterling	92.9	K225CF	QG from K223BV-92.5, 200w; CL from Atwood
CO	Yuma	99.9	K260CQ	QG from K207EG-89.3
CT	Bridgeport	102.3	W271CH	QR from 102.1, 80w

CT	Bridgeport	102.3	W272DO	QG from W271CH-102.1, 80w
CT	Middlefield	91.9	W220CE	PC>10w
CT	Stamford	105.5	W276AV	QR from 103.1, 10w, 41-02-49/73-31-36
CT	West Hartford	91.9	W220CH	PR>10w
DE	Wilmington	96.9	W245CJ	NW 175w/182m, 39-50-02/75-31-27
FL	Auburndale	92.7	W224CF	NW 250w, 28-04-31/81-49-19
FL	Belle Glade	93.5	WBGF	PG>15.5kw/128m, 26-39-54/80-38-38
FL	Blountstown	98.1	W251BM	XR 30-27-12/85-02-29; CL from Bloxham
FL	Boca Raton	92.7	NEW-lpfm	AF dismissed ROA
FL	Bradenton	97.5	W248CA	PR>20w, 27-32-41/82-34-28; amendment from 100w
FL	Bradenton	97.1	W246CY	PG>250w, 27-35-26/82-31-28
FL	Bradenton	97.5	W248CA	PG>20w, 27-32-41/82-34-28
FL	Bradenton	97.5	W248CA	NW 20w, 27-32-41/82-34-28
FL	Bradenton	103.1	W276CR	NW 250w, 27-27-49/82-35-33
FL	Brandon	100.1	WYPW-LP	NW 39m, 27-56-12/82-16-10
FL	Brandon	99.9	WYPW-LP	QR from 100.1
FL	Brandon	99.9	WYPW-LP	QC from 100.1
FL	DeBary	99.9	WJVE-LP	NW 60m, 28-53-29/81-17-09
FL	Fort Lauderdale	92.7	WZOP-LP	PR 82m, 26-09-13/80-10-12
FL	Fort Lauderdale	92.7	WZOP-LP	PG 82m, 26-09-13/80-10-12
FL	Fruit Cove	101.1	W265DD	QR from 100.9, 150w, 30-04-08/81-38-50; CL from St. Augustine
FL	Gainesville	103.3	WGVR-LP	NW 32m, 29-41-10/82-22-38
FL	Key Biscayne	94.5	WSQF-LP	PG 53m, 25-41-47/80-09-39
FL	Miami	96.9	NEW-lpfm	PR>31m, 25-47-22/80-21-08
FL	Miami	96.9	NEW-lpfm	PR>31m, 25-47-22/80-21-08 dismissed
FL	Miami	107.9	WMIV-LP	NW 49m, 25-45-18/80-12-32
FL	Okeechobee	100.9	W265BV	XG 27-14-22/80-45-11
FL	Orlando	99.9	WOGJ-LP	PR 43m
FL	Orlando	99.9	WOGJ-LP	PG 43m
FL	Orlando	93.1	W226BT	PR>250w
FL	Orlando	99.9	WOGJ-LP	NW 43m, 28-28-16/81-22-18
FL	San Jose	89.5	W208AV	PG>99w, 30-16-34/81-33-51
FL	St. Augustine	100.9	W265DD	QG from 100.7, 250w, 29-57-57/81-28-36
FL	Sugarloaf Key	105.7	WGAY	PG>13kw/141m, 24-40-36/81-30-39
FL	West Deerfield Beach	91.7	W220DU	QC from 91.9, 250w
FL	West Palm Beach	101.1	WDZP-LP	PR>49m, 26-42-48/80-05-35
GA	Brunswick	104.1	WRJY	PC 3.9kw/125m
GA	Brunswick	91.7	W218BK	QC from 91.5
GA	Canton	93.5	WPCG-LP	QR from 102.7, 34-09-14/84-30-44 dismissed. Going for site change without frequency change instead.
GA	Canton	102.9	WPCG-LP	QG from 102.7, 78m, 34-09-14/84-30-44
GA	Elberton	93.1	W226CA	QG from W287CM-105.3, 200w
GA	Hartwell	94.1	W231BX	PG<55w, 34-23-58/82-59-10; CL from Seneca
GA	Jesup	103.7	W279AR	PG>250w, 31-31-34/81-59-33
GA	Jesup	103.7	W279AR	PC>250w, 31-31-34/81-59-33
GA	McRae	98.9	W255CU	QG from W201DB-88.1, 75w, 32-03-39/82-51-24
GA	Montezuma	105.9	W290BD	PG>99w, 32-33-20/83-44-14
GA	Norcross	96.5	WWXR-LP	NW 29m, 33-59-11/84-21-07
GA	Oakwood	98.9	WMKP-LP	NW 62m, 34-18-01/83-51-23
GA	Winder	101.1	W266BW	XG 33-47-51/84-20-02
HI	Eleele	105.5	K288GJ	PG>60w, 21-54-52/159-31-51
HI	Waikapu	89.7	KIPM	PG 14.5kw/1752m, 20-42-34/156-15-49
HI	Wailuku	90.7	KKUA	PG 14.5kw/1752m, 20-42-34/156-15-49
HI	Waipahu	103.9	K280FC	XR 21-24-17/158-06-03
IA	Bluegrass	98.5	K253BL	PG<75w, 41-30-03/90-40-24
IA	Davenport	97.9	K250BM	NS 250w/77m, 41-32-58/90-28-34
IA	Decorah	104.1	NEW-lpfm	AF -44m, 43-18-12/91-47-08 reinstated

IA	Eagle Grove	101.3	K213EP	QG from 90.5
IA	Iowa City	94.5	K233DD	NS 80w/65m, 41-39-10/91-36-42
IA	Iowa City	95.3	K237GD	NS 80w/65m, 41-39-10/91-36-42
IA	Oelwein	92.3	KKHQ-FM	PR>95kw/302m, 42-40-57/91-52-50
IA	Parkersburg	107.1	K296GV	NS 250w, 42-43-45/92-48-40
IA	Twin Lakes	105.9	KTLB	XC 42-32-08/94-40-44
IA	Waterloo	106.5	K293CH	NS 250w/86m, 42-29-56/92-15-51
ID	Coeur d'Alene	94.9	K278BX	QC from 103.5
ID	Lewiston	102.1	K271BZ	PG>13w, 46-27-42/117-00-37
ID	Weiser	97.3	NEW	PG<5kw
IL	Bethalto	95.5	WFUN-FM	NS 1kw/102m, 38-48-38/90-17-38 (aux)
IL	Chicago	88.5	WHPK-FM	PG>160w/45m, 41-47-04/87-36-01
IL	Chicago	98.3	W252AW	PC>250w, 41-56-03/88-04-22
IL	Crest Hill	98.3	WCCQ	XG 41-26-07/88-11-00
IL	Crest Hill	98.3	WCCQ	PC<142m, 41-26-07/88-11-00
IL	Homewood	95.1	W236CF	PR>150w
IL	Ingleside	99.9	WYML-LP	NW -4m, 42-17-05/88-15-43
IL	Kankakee	91.1	WKCC	FC; sold to Chicago Public Media
IL	Kewanee	104.7	W284CV	QG from W282AL-104.3, 220w, 41-13-36/89-56-05
IL	Minier	99.3	W259CM	QR from 99.7, 170w
IL	Minier	99.3	W257DN	QG from W259CM-99.7, 170w
IL	Mt. Carmel	107.3	W297BR	NS 50w/31m, 38-24-44/87-45-46
IL	Peoria	100.3	W262BY	PR>250w
IL	Peoria	107.5	W298BH	PR>225w/84m, 40-35-42/89-35-41; CL from Havana
IL	Peoria	100.3	W262BY	PG>250w
IL	Quincy	102.3	NEW-lpfm	QR from 101.9
IL	Taylorville	96.1	W242BZ	QR from 96.3
IL	Taylorville	96.5	W244DJ	QR from 96.7, 250w
IL	Waukegan	103.3	W277CV	QG from W223CG-92.5, 220w
IL	Waukegan	103.3	W223CG	QC from 92.5, 220w
IN	Elkhart	93.5	WKIL-LP	PG>28m
IN	Evansville	100.5	W263CV	NS 11w, 38-01-54/87-34-10
IN	Indianapolis	99.1	NEW-lpfm	XR 39-45-58/86-07-05
IN	Indianapolis	93.5	W228CX	PG>250w, 39-46-03/86-00-12
IN	Knightsville	104.1	W281BG	PG>250w, 39-33-07/87-08-29
IN	Mount Vernon	102.5	WYFX	QR from 106.7, 6kw/100m, 38-03-49/87-42-36
IN	Petersburg	102.3	WBTO-FM	PR 3.2kw/60m, 38-30-41/87-15-20
IN	Plainfield	91.3	WWDL	PG>295w
IN	Red Bank	100.1	W261CW	NS 27w, 37-59-19/87-35-41
IN	South Bend	106.3	WUBU	PR<2.2kw/100m, 41-36-59/86-11-44
IN	South Bend	106.3	WUBU	PG<2.2kw/100m, 41-36-59/86-11-44
IN	Valparaiso	103.1	WVLP-LP	QC from 98.3, 30m
IN	Vincennes	101.3	W267BO	XR 38-40-40/87-31-41
KS	Atwood	106.1	KYVZ	QG from 106.3, 60kw/108m, 39-47-03/101-15-46
KS	Clay Center	96.7	K244EL	PR>250w, 39-21-53/97-05-32
KS	Lawrence	96.1	K241AR	PR>250w, 38-57-14/95-16-12
KS	St. George	105.3	KSWZ-LP	PC 30m
KY	Barbourville	94.3	W232CX	NS 10w, 36-56-41/83-58-11
KY	Barbourville	94.7	W234CR	NS 10w, 36-56-41/83-58-11
KY	Bowling Green	93.9	W230CK	NW 10w, 36-57-37/86-32-49
KY	Elizabethtown	92.3	W221CV	QR from 92.1, 38-06-26/85-42-40
KY	Elizabethtown	90.9	WKUE	PG<190m, 37-44-42/85-53-22
KY	Elizabethtown	92.3	W221CV	QC from 92.1, 37-52-45/85-43-03
KY	Eubank	95.5	W238CN	NW 250w, 37-19-54/84-38-46
KY	Fairdale	92.3	W222CD	QG from W221CV-92.1, 38-06-26/85-42-40; CL from Elizabethtown
KY	Harlan	107.5	W298BY	NS 10w/465m, 36-49-19/83-08-57
KY	Henderson	100.7	W264CY	NS 120w/31m, 37-53-17/87-32-37

KY	Henderson	101.1	W266CR	NS 27w, 37-52-57/87-32-28
KY	Jamestown	95.5	WKYD-LP	XR 37-00-21/85-04-21
KY	Jamestown	95.5	WKYD-LP	PG 35m, 37-00-21/85-04-21
KY	Louisville	98.1	W251CC	QG from W250BD-97.9
KY	Louisville	97.1	WXOX-LP	NW 33m, 38-14-57/85-43-57
KY	Morganfield	102.1	W271CO	NS 50w, 37-40-04/87-55-46
KY	Owensboro	98.7	W254CC	NW 250w/105m, 37-46-30/87-09-32
KY	Princeton	103.3	W277CK	PG>250w, 37-08-08/87-53-47; CL from Madisonville; PC
KY	Prospect	104.9	W285ER	PG<120w, 38-21-23/85-33-29; CL from Middletown
LA	Bastrop	99.1	K256CN	PR>250w, 32-40-20/91-55-06
LA	Baton Rouge	101.1	W266CD	PG<99w, 30-25-56/91-11-07
LA	Baton Rouge	98.1	WDGL	PC>459m
LA	Baton Rouge	100.7	WTGE	PC>459m, 30-21-58/91-12-47
LA	Heflin	105.5	KIMW	PR<95m
LA	Heflin	105.5	KIMW	PR<97m; amendment from 95m
LA	New Llano	98.3	KUNE	NW 7kw/42m, 31-08-20/93-18-15
LA	New Orleans	89.1	WBSN-FM	PG>23kw
LA	Oak Grove	104.1	KLCJ	PG>6kw/94m, 30-00-11/93-05-05
LA	Rayville	92.3	KMYT	PC 25kw/94m, 32-28-15/91-52-25
MA	Concord	88.3	WIQH	PC>28m, 42-26-49/71-20-54
MA	Oak Bluff	105.5	WYOB-LP	PC<29m, 41-25-02/70-35-48
MA	Salisbury	94.1	WXBK-LP	QC from 04.9, 38m
MB	Brandon	91.5	CKLQ-FM-1	AF 100kw/326m, 50-17-00/100-06-39; to relay AM 880 using former facilities of CIWM-FM
MB	Brandon	107.5	CIWM-FM	QR from 91.5, 2.7kw/14m, 49-50-24/99-55-17
MD	College Park	107.9	WLZL	PC 49kw/151m
MD	Fruitland	107.7	WKHI	PG>23kw/105m
MI	Bear Lake	100.7	WCUZ	QR from 100.1, 7.3kw/188m, 44-32-44/85-49-09 dismissed
MI	Beulah	99.3	WOUF	PR>32kw/188m, 44-32-44/85-49-09 dismissed
MI	Escanaba	104.7	WYKX	PR<105m, 45-55-45/87-16-11
MI	Good Hart	91.3	WJOG	PC>209m, 45-30-32/85-02-11
MI	Grand Haven	102.5	W273CI	PG>250w, 43-12-16/86-01-45
MI	Harbor Springs	90.1	WHBP	PG>8.5kw/254m, 45-34-07/85-02-35
MI	Hillman	103.5	WXHR-LP	NW 29m, 45-03-36/83-53-56
MI	Ironwood	101.7	W215BR	QR from 90.9
MI	Ironwood	101.7	W269DA	QG from W215BR-90.9
MI	Ironwood	101.7	W215BR	QC from 90.9
MI	Lansing	104.7	W284AH	XG 42-43-13/84-31-09
MI	Ludington	96.3	WNOM	QG from 97.7, 3.4kw/93m, 43-55-01/86-26-12
MI	Russellville	97.3	W247CG	QG from W249CL-97.7, 80w, 42-59-07/83-41-07
MI	Thompsonville	106.3	WKLA-FM	PG<2.2kw/116m, 44-38-07/85-45-53
MN	Clara City	98.7	K201HD	QR from 88.1
MN	Clara City	98.7	K254CK	QG from K201HD-88.1
MN	Clara_City	98.7	K201HD	QC from 88.1
MN	Duluth	90.9	W215CG	PC>99w, 46-47-20/92-07-04
MN	Glencoe	99.3	K204DS	QR from 88.7, 10w
MN	Glencoe	99.3	K204DS	QR from 88.7, 10w
MN	Glencoe	99.3	K257DM	QG from K204DS 88.7, 10w
MN	Glencoe	99.3	K204DS	QC from 88.7, 10w
MN	Grand Rapids	98.7	K254CC	XG 47-13-06/93-32-50
MN	North Branch	91.7	W218CT	QC from 91.5
MN	North Branch	102.7	W218CT	QR from 91.5, 7w
MN	Perham	99.5	KPRW	PG<99m, 46-33-21/95-27-45
MN	Perham	99.5	KPRW	PC<99m, 46-33-21/95-27-45
MN	Pipestone	98.7	KISD	PC>330m
MN	Slayton	106.1	KJOE	PC 10kw/330m
MN	St. James	89.1	KSJM	PG<100w/11m, 43-59-23/94-37-38

MN	Worthington	100.3	K262AR	PR>250w, 43-37-48/95-40-41
MN	Worthington	100.3	K262AR	PG>250w, 43-37-48/95-40-41
MO	Canton	101.9	K272FA	QR from 102.3
MO	Eldon	104.5	K283BY	PG>120w, 38-22-24/92-24-36
MO	Eldon	104.5	K283BY	NW 120w, 38-22-24/92-24-36
MO	Joplin	101.3	K267BY	QG from K268CP-101.5, 99w, 37-04-33/94-33-16
MO	Moberly	90.1	KBKC	PG>2.1kw/68m, 39-23-31/92-27-21
MO	Saint Peters	101.5	K268CT	PR<8w, 38-40-37/90-23-59
MO	Troy	100.7	KFNS-FM	PC<99m, 39-03-11/90-59-41
MO	Troy	102.9	K275CI	QR from 103.1, 170w dismissed
MO	Troy	102.9	K275CI	QG from K276GC-103.1, 170w
MS	Gulfport	100.1	W259BH	QR from 99.7, 30-40-10/89-25-57; CL from Poplarville
MS	Jackson	100.1	WIWT-LP	XR 32-23-03/90-09-25.
MS	Jackson	100.1	WIWT-LP	PG 42m, 32-23-03/90-09-25
MS	Pearl	93.9	WJAI	PG 14.5kw/135m
MS	Pocahontas	103.9	WYAB	PG>6kw/96m, 32-24-27/90-09-03
MS	Poplarville	100.1	W259BH	QC from 99.7, 30-40-10/89-25-57
MT	Billings	90.1	KBLW	PC>1.6kw
MT	Billings	91.3	K217EM	PG<50w, 45-45-34/108-27-05
MT	Billings	98.9	K255CW	QG from K213DY-90.5, 50w, 45-45-34/108-27-05; CL from Huntley
MT	Columbus	90.5	KMTJ	PG>1kw/375m, 45-11-39/109-20-30
MT	Hamilton	104.1	K279BD	QR from 103.7, 46-30-34/113-58-45
MT	Hamilton	104.1	K281CH	QG from K279BD-1093.7, 46-30-34/113-58-45
MT	Lewistown	92.1	K220IU	QC from 91.9, 47-04-16/109-24-32
MT	Missoula	103.7	K281BK	QR from 104.1, 250w
MT	Missoula	103.7	K279CP	QG from K281BK-104.1, 250w
NC	Boone	99.1	W256CV	PG<16w
NC	Charlotte	101.3	W267BZ	QG from W268BV-101.5, 80w, 35-11-23/80-48-36
NC	Fayetteville	94.3	W232CI	NW 250w, 35-04-06/78-54-09
NC	Franklin	101.3	W267AD	PG<19w; CL from Bryson City
NC	Hendersonville	103.1	W276CT	PG>28w, 35-20-18/82-29-02
NC	Mooresville	101.7	W269CY	QG from W268BU-101.5, 250w-H/50w-V, 35-27-18/81-03-50
NC	Mount Olive	91.7	W219CW	XR 36-22-48/80-21-18; CL from Danbury
NC	Murfreesboro	101.3	W267BY	QG from W214BJ-90.7, 10w
NC	Newport	104.7	W284CU	NS 250w/104m, 34-48-17/76-54-23
NC	Rose Hill	92.5	W223CI	QG from W224CI-92.7, 150w, 34-51-48/78-02-16
NC	Southern Pines	99.9	W260CU	NS 10w, 35-10-35/79-24-53
NC	Southern Pines	100.3	W262CR	NS 13w, 35-10-35/79-24-53
NC	Tryon	104.5	W283CG	PG>250w
NC	Tryon	104.5	W283CG	NW 250w, 35-16-19/82-14-00
NC	Waynesville	97.5	W248CM	QG from 98.1, 250w, 35-29-22/82-59-19; CL from Clyde
NC	Wilmington	92.7	W224CX	PR>250w
ND	Bismarck	91.3	KXRP	QG from 91.7, 4.2kw/199m, 46-35-23/100-47-39
ND	Mandan	91.7	KPHA	QG from 91.3, 25kw/199m, 46-34-19/100-47-42
ND	Rugby	95.3	KKWZ	PG>6kw/45m, 48-21-15/99-59-32
NE	Hay Springs	107.7	KBPY	PR<142m, 42-44-22/102-41-27
NE	Kearney	106.9	K295BI	XG 40-43-42/99-07-47
NE	Lincoln	91.9	K220GT	XG 40-48-41/96-42-09
NE	Terrytown	97.1	KCMI	QG from 96.9
NH	Greenville	94.7	W232AJ	QR from 94.3, 50w, 42-53-24/71-42-22 dismissed
NJ	Dover	107.9	WCFT-LP	NW 148m, 40-51-21/74-30-42
NJ	Edison	95.1	NEW-xtlr	AF 250w, 40-31-45/74-23-34; amendment from 27w on 105.9
NJ	Edison	95.1	NEW-xtlr	AF 250w, 40-31-45/74-23-34 reinstated
NJ	Ewansville	107.7	W299BR	XR 40-05-11/74-40-12
NJ	Ewansville	107.7	W299BR	XG 40-05-11/74-40-12
NM	Capitan	96.7	KNMB	PG>1kw/917m, 33-24-14/105-46-55
NM	Cloudcroft	97.9	KTMN	NW 4.7kw/401m, 32-59-39/105-42-29

NM	Cloudcroft	88.9	KHII	PG>2.1kw/399m
NM	Grants	92.7	KDSK-FM	PG>45kw/412m, 35-10-57/107-36-13
NM	Las Cruces	90.3	K211EN	QR from 90.1, 34w dismissed ROA
NM	Socorro	94.9	K234BH	QR from 94.7, 20w, 34-04-41/106-54-30
NM	Taos	100.7	K264AE	coordinates corrected to 36-23-24/105-35-11
NV	Indian Springs	99.3	KRGT	PG 35kw/657m, 36-19-16/115-34-15
NV	Las Vegas	107.1	KIYQ-LP	NW 19m, 36-04-19/115-10-52
NV	Las Vegas	95.9	NEW-lpfm	NW 3m, 36-08-49/115-08-28
NV	Laughlin	106.3	K292EU	PR>200w, 35-14-48/114-44-32
NV	North Las Vegas	94.9	K235CL	PG>75w, 36-17-42/115-16-50
NV	Reno	94.1	K285EQ	QR from 104.9, 95w
NY	Albany	100.5	W263CG	NW 250w, 42-43-55/73-52-57; CL from Colonie
NY	Baldwinsville	92.1	WSEN-FM	FC: sold to Family Life Ministries
NY	Buffalo	100.3	W262CM	NW 80w, 42-54-40/78-50-35
NY	Farmingdale	105.5	WDBA-LP	PG 132m, 40-46-32/73-26-32; CL from Bethpage
NY	Greene	88.1	WSQN	PG>4.5kw
NY	Jamestown	91.9	W203BV	QG from 88.5
NY	Lansing	102.5	W273CO	PR>19w, 42-24-50/76-34-15
NY	Middletown	96.7	W260CI	QR from 99.9
NY	Oneida	106.3	WMCR-FM	FC; sold to Family Life Ministries
NY	Poughkeepsie	99.7	W259BV	NW 99w/186m, 41-50-27/73-59-25
NY	Rochester	97.1	WEPL-LP	NW 48m, 43-10-31/77-37-06
NY	Rochester	106.3	WRFZ-LP	PR 214m, 43-08-25/77-35-53
NY	Rochester	106.3	WRFZ-LP	PG 69m, 43-08-25/77-35-53
NY	Syracuse	103.5	W278AH	XG 42-58-01/76-12-00
NY	Utica	88.5	W203BZ	QG from W201BS-88.1
NY	Westfield	98.3	W252CG	PG>230w, 42-16-24/79-37-27
OH	Bucyrus	92.3	W222CC	XG 40-48-26/82-58-15; CL from Mansfield
OH	Cincinnati	99.5	W258CI	PR>65w, 39-16-24/84-31-37
OH	Cincinnati	107.9	W300CI	PR>35w, 39-01-49/84-30-22
OH	Cincinnati	99.5	W258CI	PG>65w, 39-16-24/84-31-37
OH	Cincinnati	107.9	W300CI	PG>35w, 39-01-49/84-30-22
OH	Cleveland	93.7	W229CG	PR<19w, 41-29-01/81-36-02
OH	Lorain	93.7	WSAV-LP	PG>46m, 41-25-29/82-08-58
OH	Waynesville	89.1	WYNS	PG>6kw
OK	Altus	107.9	KEYB	PC>100kw/148m
OK	Carter	88.3	KOGC	PG>2kw/158m, 35-25-45/99-29-48
OK	Chelsea	100.5	KTFR	PR>25kw/92m, 36-27-33/95-29-56; amendment from 16kw/100m
OK	Dickson	89.3	KAZC	PC>3.4kw/64m, 34-10-26/97-11-33
OK	Duncan	102.1	K271BY	XR 34-35-11/98-08-35
OK	Duncan	102.1	K271BY	XG 34-35-11/98-08-35
OK	Guymon	91.3	KGUY	PG>800w/89m, 36-40-25/101-28-09
OK	Guymon	91.3	KGUY	PC>800w/89m, 36-40-25/101-28-09
OK	Hennessey	97.7	NEW	NS 6kw/90m, 36-07-05/97-58-20
OK	Locust Grove	94.3	KEMX	PR>12kw dismissed
OK	Taft	100.3	KCXR	PR>4kw; amendment from 300w
OK	Tulsa	105.7	K289CC	NW 250w, 36-06-25/95-47-13
ON	Markham	105.9	CFMS-FM	PR 1.3kw/51m, 43-52-31/79-26-23
ON	Ottawa	101.7	CIDG-FM	QG from 101.9, 19.5kw/100m, 45-22-11/75-42-11

OR	Ashland	105.5	K288CP	PR>230w, 42-17-54/122-44-57; CL from Merlin
OR	Ashland	105.5	K288CP	PG>230w, 42-17-54/122-44-57; CL from Merlin
OR	Klamath Junction	99.9	K260CN	NS 15w, 42-04-58/122-42-01
OR	Lincoln Beach	97.5	KHKF	PR>7kw/259m, 44-45-24/124-02-53; CL from Manzanita
OR	Manzanita	88.9	KQMI	PG>90w/326m, 45-44-39/123-56-23
OR	Portland	100.7	KRJJ-LP	KBSF-LP PR>103m, 45-30-19/122-29-04 (stations share time)
OR	Portland	100.7	KRJJ-LP	PG>8m, 45-30-19/122-29-04
OR	Portland	100.7	KBSF-LP	PG>8m, 45-30-19/122-29-04
OR	Powell Butte	106.7	K291BL	QC from 106.1
OR	Redmond	102.3	K219KX	QR from 91.7
OR	Redmond	102.3	K272FO	QG from K219KX-91.7
OR	Talent	101.1	KLMD	PR>5.5kw/430m, 42-17-57/122-44-56
OR	Warm Springs	91.9	KWSO	PR>4.1kw/347m
OR	White City	99.9	KWVG-LP	NW -19m, 42-25-00/122-51-32
PA	Allentown	92.7	W224AU	PR<7w, 40-34-18/75-25-48
PA	Allentown	92.1	W221CU	NW 10w/300m, 40-33-52/75-26-25
PA	Corry	101.5	W268CJ	XR 41-51-01/79-38-03; CL from Pittsfield
PA	Corry	101.5	W268CJ	XG 41-51-01/79-38-03; CL from Pittsfield
PA	Erie	98.7	W254AJ	PG<99w, 42-02-16/80-03-44
PA	Erie	95.5	WUTT-LP	XR 42-03-04/80-07-25
PA	Erie	95.5	WUTT-LP	PG>41m, 42-03-04/80-07-25
PA	Harrisburg	100.5	W263BL	QG from W210BX-89.9, 2w; CL from Highspire
PA	Hazleton	94.5	W233CB	PC<75w-H/100w-V
PA	Hershey	100.9	W263CK	QR from 100.5, 120w, 40-15-02/76-39-45
PA	Hershey	100.9	W265DE	QG from 100.5, 120w, 40-15-02/76-39-45
PA	Muncy	105.9	W215AF	QR from 90.9, 10w, 41-13-02/76-57-27
PA	Reading	107.1	W296CL	PG>10w
PA	Reading	91.3	WXAC	PG>210w/12m, 40-22-09/75-54-26
PA	Sheffield	105.1	WLSF	PR>3.2kw/139m, 41-51-31/79-06-34
PA	Warren	100.7	W264AT	PR>210w, 41-51-38/79-11-00
PA	Warren	100.7	W264AT	PG>210w, 41-51-38/79-11-00
PA	Wilkes-Barre	99.9	W260AY	PG>250w, 41-11-11/75-51-33; CL from Harveys Lake
PR	Mayaguez	107.9	WVPJ-LP	NW 8m, 18-13-29/67-09-23
QC	Fort-Coulonge	101.9	CHIP-FM	QG from 101.7
SC	Columbia	99.7	W259CL	XG 34-00-04/81-02-05; CL from Orangeburg
SC	Gray Court	90.5	WHQB	NW 21kw/136m, 34-19-20/81-58-57
SC	Greenville	90.7	W213BD	QR from 90.5
SC	Greenville	101.5	WEZG-LP	PC 47m, 34-54-03/82-21-36
SC	Lowrys	92.1	W219CH	QR from 91.7
SC	Lowrys	92.1	W221DM	QG from W219CH-91.7
SD	Mitchell	94.1	K231AR	PR (back to 250w)
SD	Redfield	99.9	K207EB	QC from 89.3
TN	Bluhmtown	92.3	W223BE	QC from 92.5, 250w
TN	Carthage	100.5	WHIC-LP	NW 30m, 36-14-24/85-56-52
TN	Covington	92.1	W221CR	PR<99w, 35-16-33/89-46-38
TN	Donelson	99.3	W257AR	FC, sold to Moody Bible
TN	Lawrenceburg	102.5	W276CY	QC from 103.1, 230w
TN	Nashville	97.5	W248BQ	PG>250w, 36-09-48/86-46-45; CL from Berry Hill
TN	Nashville	98.7	W254CK	FC, sold to Moody Bible

TN	Newport	98.9	W255BK	PC>500w, 35-59-52/83-13-14; CL from Morristown
TN	Rockford	101.5	W268BP	PR<5w, 35-57-58/84-04-06
TN	Sevierville	98.3	W252DD	PR>27w, 35-48-52/83-40-02
TX	Amarillo	96.5	NEW-xltr	AF dismissed
TX	Amarillo	96.5	NEW-xltr	AF 200w, 35-11-57/101-48-43
TX	Austwell	105.9	NEW	NS 5kw/110m, 28-27-14/96-45-31
TX	Azle	92.9	K226CG	QR from 93.1, 250w, 32-55-06/97-34-06; CL from Decatur
TX	Benavides	94.3	KXTM	NW 13.5kw/74m, 27-35-09/98-24-59
TX	Brownfield	92.3	K219LP	QC from 91.7, 240w, 33-25-03/102-08-51
TX	Burnet	95.9	KMPN	NW 25kw/97m, 30-53-38/98-14-11
TX	Canadian	103.5	K281CF	QR from 104.1, 250w
TX	Canton	95.1	K239AN	QC from 95.7, 32-32-23/95-45-41
TX	College Station	97.7	K249ET	PR>250w
TX	Corpus Christi	100.3	KSRB-LP	NW 134m, 27-46-10/97-26-55
TX	Cypress	94.9	NEW-lpfm	AF 98m, 29-59-40/95-43-06; amendment from 48m
TX	Del Valle	92.9	K225CA	PR>250w, 30-19-23/97-47-58
TX	Edingburg (sic)	97.3	NEW-lpfm	AF 30m, 26-20-07/98-09-43; amendment from 27m
TX	Edingburg (sic)	97.3	NEW-lpfm	NS 30m, 26-20-07/98-09-43
TX	Fort Worth	97.5	KFTW-LP	NW 23m, 32-44-21/97-19-22
TX	Guthrie	98.3	NEW	NS 1kw/47m, 33-37-08/100-19-16
TX	Happy	93.7	K229BY	XR 35-11-02/101-58-11
TX	Houston	94.1	K231CN	QG Converted from V-only to H-only; CL from Richmond
TX	Houston	94.1	K231CN	PR<99w, 29-45-30/95-22-03; CL from Richmond
TX	Huntsville	99.7	KVST	PR>17kw/122m, 30-36-03/95-29-02; CL from Willis
TX	Irving	99.9	K260BP	PR<99w/129m, 32-44-20/97-05-29
TX	Keller	92.9	NEW-lpfm	AF dismissed ROA
TX	Lufkin	90.9	KSWP	PR>279m, 31-22-18/94-38-51 dismissed ROA
TX	Lufkin	91.9	KAVX	PR 18kw/251m, 31-22-18/94-38-51 dismissed ROA
TX	Luling	101.1	K266BW	PC<205w, 29-32-06/97-42-25
TX	McAllen	94.1	K231CL	PG>15w, 26-15-19/98-09-41
TX	Memphis	104.5	NEW	NS 500w/46m, 34-43-29/100-32-11
TX	Midland	107.5	K298CF	NS 99w/106m, 32-04-05/102-13-51
TX	New Ulm	92.3	KNRG	PR>8kw/174m, 30-00-06/96-49-21 dismissed
TX	Odessa	107.5	K298CE	NS 250w/50m, 31-50-53/102-23-10
TX	Pampa	102.5	K273CR	QG from K220CP-91.9 via 91.3 & 92.1; 90w; 35-31-43/100-57-55
TX	Robert Lee	105.7	NEW	PR<6kw/59m, 31-55-36/100-17-35
TX	San Antonio	103.7	K279AB	PR>220w, 29-25-06/98-29-01
TX	Sealy	107.3	K294BI	QR from 106.7, 29-44-52/96-09-01; CL from Columbus
TX	Stamford	94.5	KSTD	PC>3kw/68m, 32-57-10/99-48-11
TX	Sunset Valley	92.5	KVLR	PG>10kw/156m, 30-17-53/97-49-54
TX	Tyler	95.7	K239CB	XR 32-22-30/95-16-10
TX	Uvalde Estates	103.5	KEWP	PR<21m, 29-12-22/99-48-02
TX	Waco	92.3	K222CS	QG from K256BW-99.1
UT	Enoch	93.9	KYLZ	PG>100kw/341m, 37-38-22/113-02-00
UT	Provo	96.3	KXRK	PG 22kw/1243m
VA	Charlottesville	97.1	W244BP	QC from 96.7, 99w, 37-58-56/78-28-58
VA	Chesapeake	93.7	WNOB	NS 1.8kw/105m, 36-50-35/76-17-17
VA	Chincoteague	101.5	NEW	NS 6kw/69m, 37-55-45/75-28-53
VA	Culpeper	95.3	W237CA	PG>178w

VA	Emporia	89.3	WJYA	PG>20kw/159m, 36-52-02/77-53-31
VA	Hampton	101.7	W269CZ	QG from 102.1, 37-05-24/76-27-43
VA	Lynchburg	105.1	W283AZ	QC from 104.5, 240w
VA	Lynchburg	95.3	W237CL	PC>160w/516m, 37-28-19/79-22-28
VA	Madison Heights	98.5	W204AZ	QR from 88.7, 130w, 37-20-57/79-10-05
VA	Norfolk	96.9	W245CK	PR<99w, 36-48-37/76-16-58; CL from Suffolk
VA	Norton	107.9	W300CX	NS 10w, 36-53-53/82-37-21
VA	Reston	98.3	W252DC	NW 250w, 38-59-56/77-17-32
VA	Sweet Briar	89.9	WNRS-FM	PG 1.1kw/169m, 37-31-58/79-05-33
VT	Warren	94.5	WMRW-LP	QC from 95.1, -105m, 44-09-31/72-48-55
WA	Ariel	97.5	K248CN	PG>5w
WA	Bellingham	94.9	KVWV-LP	PG>-49m, 48-44-41/122-28-33
WA	Central Park	98.5	KNBQ	PR>1.7kw/673m, 46-58-31/123-08-16
WA	Dayton	102.3	NEW	AF 900w/772m, 45-18-35/117-43-58; amendment from 500w/45m, to change site, and from Dayton, WA.
WA	Kennewick	104.9	K285FN	PG>250w, 46-06-15/119-07-48
WA	Raymond	90.1	KBSG	QR from 89.5, 480w/268m, 46-41-44/123-46-17; CL from Westport
WA	Twisp	95.5	K238CA	NS 41w, 48-26-11/120-11-30
WA	Vancouver	99.9	KXRW-LP	PR>106m, 45-37-49/122-34-56
WA	Vancouver	99.9	KXRW-LP	PG 33m
WA	Westport	89.5	KBSG	QG from 91.1, 1.2kw/15m, 46-55-11/123-57-14
WI	Black River Falls	91.3	W214BS	QC from 90.7
WI	Eau Claire	105.1	W286CK	XG 44-49-47/91-26-48
WI	Marshfield	93.7	W232AR	QR from 94.3, 500w (more power than should be permitted)
WI	Milwaukee	93.9	W230CI	PR<200w, 43-02-20/87-55-04
WI	Monroe	95.5	W238CB	PG>250w, 42-34-36/89-41-34; CL from Darlington
WI	Monroe	95.5	W238CB	PC>250w, 42-34-36/89-41-34; CL from Darlington
WI	Neillsville	92.1	W220DR	QC from 91.9, 5w
WI	South Milwaukee	103.3	W223CG	QR from 92.5, 120w, 42-51-20/87-50-41; CL from Waukegan, Ill.
WI	Waukesha	103.3	W277BM	PG>200w, 42-58-05/88-11-20; CL from Lake Geneva
WV	Huntington	104.5	WASP-LP	NW 119m, 38-22-38/82-30-57
WV	Parkersburg	104.9	W285EQ	PR>48w
WV	White Sulphur Spring	93.3	WVIC	NW 1.1kw/236m, 37-48-17/80-21-03
WY	Burns	88.9	KIHI	CX ROA
WY	Green River	94.3	K232CU	PG<13w, 41-29-50/109-20-36
WY	Rock Springs	107.7	K299AG	PG>50w, 41-39-24/109-09-32



Interested in contributing to the VHF-UHF Digest?

We're looking for a dedicated FM DXer to take over the *FM News* column. E-Mail Ryan Grabow if you're interested.

ryang@wtfda.org



PHOTO NEWS

Jeff Kruszka
 1909 Lost Lake Pl.
 Pearland, TX 77581
jkruszka@sbcglobal.net

February 2016

Andrew Knafel keeps topping himself in tropo reception from Akron, OH:



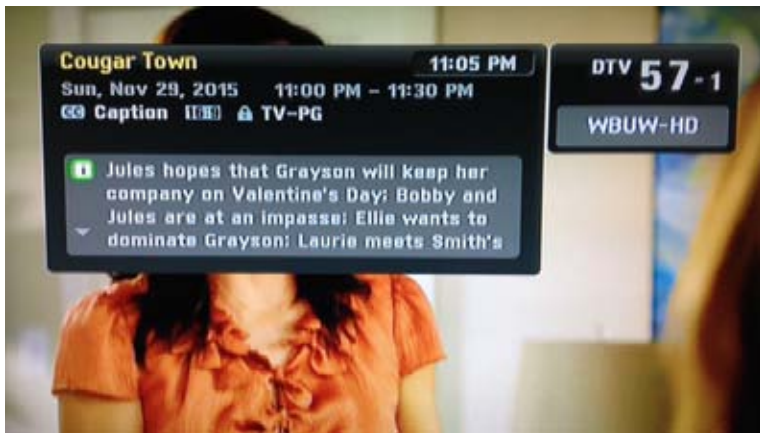
WISE-18.1 Fort Wayne, IN
 187 mi Tr seen 11-3-15



WNPB-33.1 Morgantown, WV
 131 mi Tr seen 11-2-15



WTAJ-32.1 Altoona, PA
 168 mi Tr seen 11-3-15



WBUX-32.1 Janesville, WI
416 mi Tr seen 11-29-15
"new record"



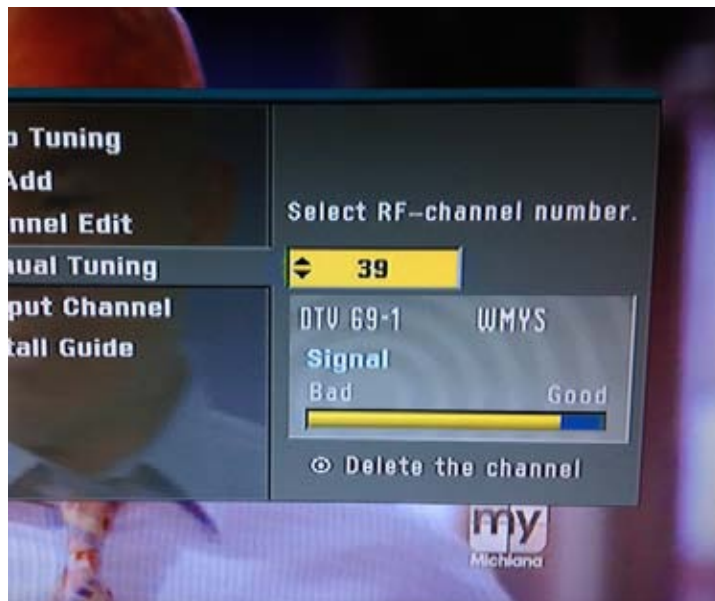
WGN-19.1 Chicago, IL
306 mi Tr seen 11-29-15



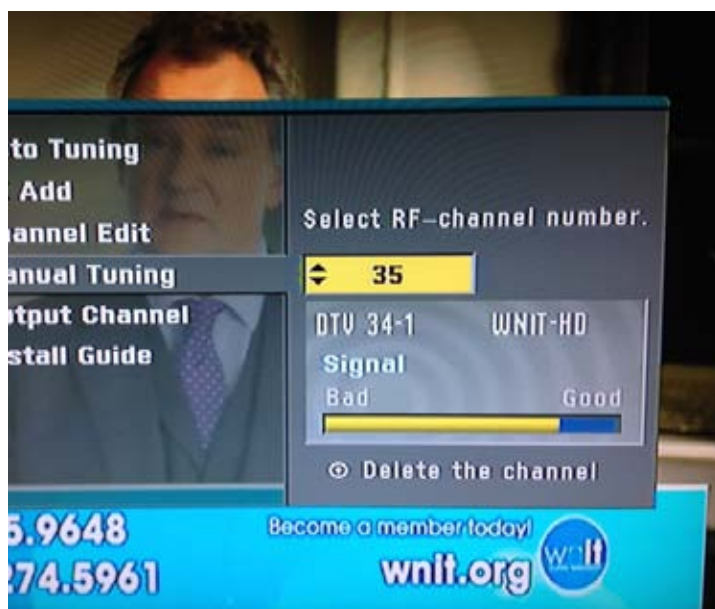
WITI-33.1 Milwaukee, WI
341 mi Tr seen 11-29-15



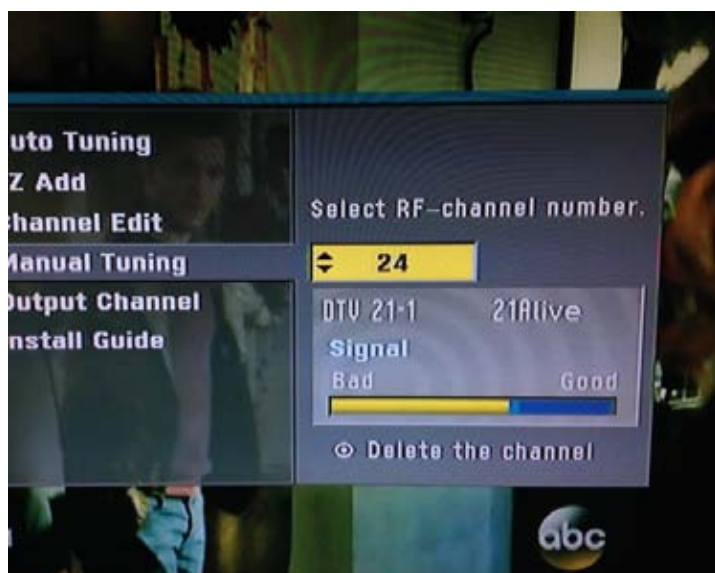
CIII-27.1 Peterborough, ON
273 mi Tr seen 11-28-15



WMYS-39.1 South Bend, IN
230 mi Tr seen 11-29-15



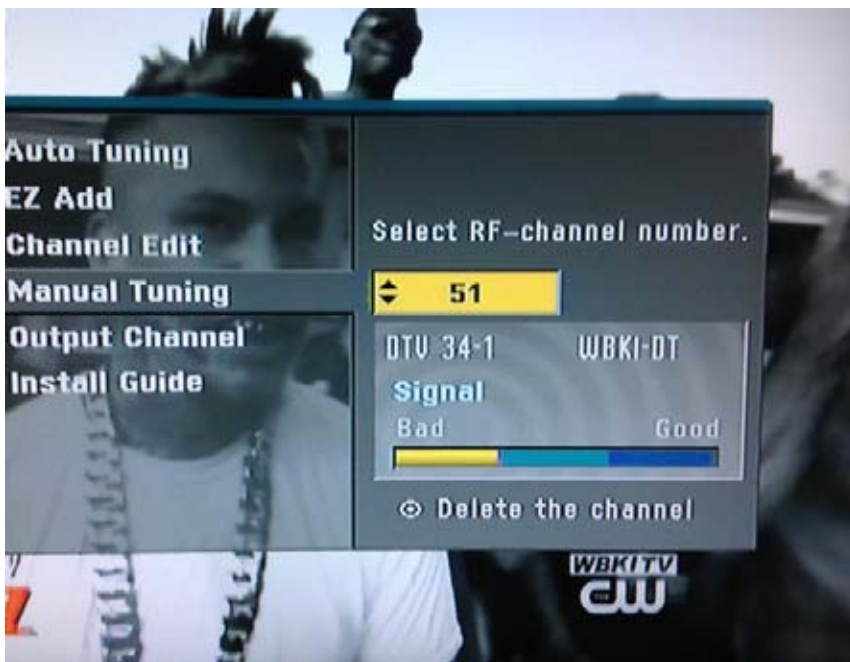
WNIT-35.1 South Bend, IN
230 mi Tr seen 11-29-15



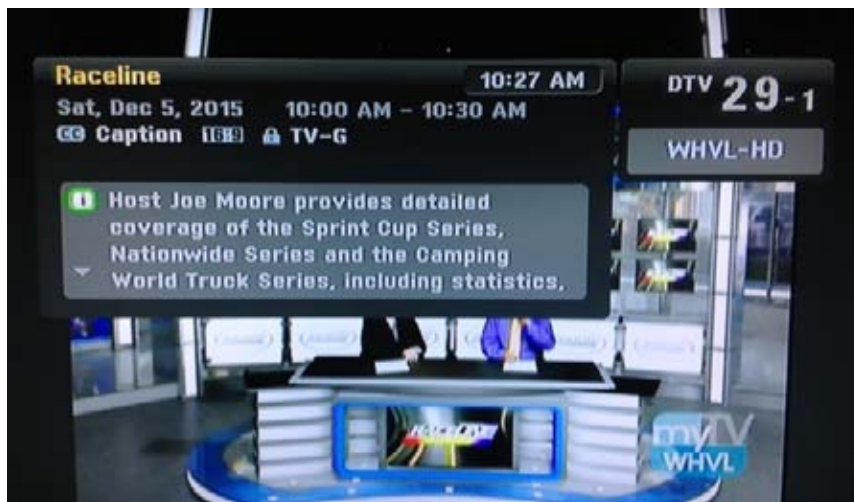
WPTA-24.1 Ft. Wayne, IN
177 mi Tr seen 11-29-15
"over local WOIO"



WPWR-51.1 Gary, IN
306 mi Tr seen 11-29-15



WMYO-51.1 Salem, IN
289 mi Tr seen 12-5-15
"rebroadcasts WBKI
Campbellsville, KY"



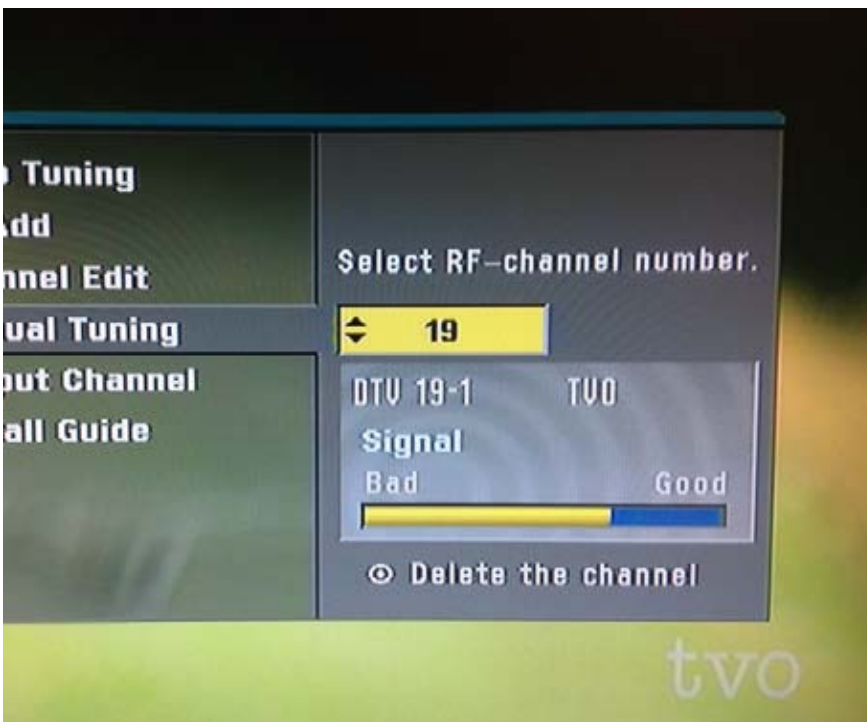
WHVL-LD-27 State College, PA
190 mi Tr seen 12-5-15
Calls: *Happy VaLLey - jk*



WFLB-40.1 Bluefield, WV
289 mi Tr seen 12-3-15



CBLFT-25.1 Toronto, ON
211 mi Tr seen 12-5-15



CICA-19.1 Toronto, ON
211 mi Tr seen 12-5-15
"tv ontario"



WCPO-22.1 Cincinnati, OH
200 mi Tr seen 12-4-15



WLWT-35.1 Cincinnati, OH
200 mi Tr seen 12-4-15



“Auto-scanner map”

73's, JEFF



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:

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Tabernacle, NJ 08088
E-mail: nickl@wtfda.org

The Editor's Note

Usually, at least since yours truly has been paying attention to this zany hobby (2005), any E-skip during the winter months is usually more of a novelty item. A 30-minute session or two that might even go overlooked during the height of a typical summer Es season, but a welcome sight to help bridge the gap. The period between Christmas Day and the 5th of January, however, brought more Es east of the Mississippi than several DXers could recall in recent memory. Several of the openings sported high MUF, including an exceptionally strong opening in the eastern portion of the continent on December 30. A 415 mi. Es decode of WBRA-3 in VA was reported by Bill Hepburn in ON during that opening. The activity was almost exclusively bounded by the Mississippi River, though moderate Es was reported in the middle part of the U.S. on the 8th of January, and between Texas and the southwest on the 22nd.

All in all, for those who geographically could take advantage, the winter action was a very pleasant surprise!

Bob Seybold

1865 W. Main Road
Silver Creek, NY 14136

1/12/16

Nick:

I can't remember if I sent in a recent report but here is one. Despite it is winter season when DX is generally scarce, it has been real good. There was E-skip around holidays and tropes been unusually good for months. Christmas Eve and today resulted in variety of Canadian analog both French and English mostly to northeast on all channels 2-6 and mostly low-powered. Also some US religious analog skip (AL, FL).

Also tropes out to 400 miles but more so to east-northeast at 100-300 miles on many occasions

through most of October, November, December. Many loggings to Rochester, Syracuse, Massachusetts, Connecticut, Vermont, Detroit, Cleveland, Toledo, Saginaw, Bowling Green (OH), Indiana, Lansing, Flint, many Canadians, new CIVO-30 (where from? Gatineau, QC? -NL), Kingston 11, Zanesville, Pittsburgh, Johnstown, Altoona, Clearfield.

An above normal fall season. Exciting season.

73's – Bob Seybold

Glenn Hauser

Enid, OK

All times and dates UT. See also separate Oklahoma Broadcasting News

** MEXICO. It's September but still some Es openings, UT Sept 1:

1630 on 2, fade in some video; 1643 stronger to see it's Info7 per lower-right bug, i.e. XHTAU Tampico

1643 on 2, then it's PLAN B, and with some same-offset CCI. At first not clear it this is still XHTAU or something else like XHY Mérida.

But PLAN B is a Mon-Sat 11 am-noon CT show from Azteca Noreste:

<http://aztecanoreste.mx/secciones/detalle/2>

i.e. originating in Monterrey but on ch 2 from Tampico, so apparently the Info7 bug comes and goes, especially during PLAN B segments.

1701 on 2, Info 7 again, zero CCI; occasional further video until 1730 or so (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. PLAN B --- Estimado Sr. Hauser: Respecto a la señal que vió en canal 2, en efecto, hay una revista de "sociedad" llamada "Plan B" <http://planb.mx/> -- sin embargo esta es editada por el mismo grupo del "Diario de Yucatán", Grupo Megamedia, el cual es rival de "Milenio Novedades" del Grupo Sipse del ahora Gala TV Yucatán, XHY, por lo que dudo que la señal haya venido de Yucatán. Atte: (Ing. Civ. Israel González Ahumada, M.I., Sept 10, DX LISTENING DIGEST)

** MEXICO? Some weak sporadic E reaches channel 2 video, Sept 8 at 1705 UT, in & out; 1716 & 1723 some CCI again; 1723. Nothing showing on the 6m maps, but at 1755 there is, a few contact paths crossing over New Orleans; 1800 on 2, some CCI and a bit of singing audio. Not even sure it's Spanish, let alone Mexico (Glenn Hauser, OK, DX LISTENING DIGEST)

** OKLAHOMA [and non]. 91.7, Sept 19 at 1345 UT, NPR `Weekend Edition Saturday` via 100 kW, 309-m HAAT KOSU Stillwater/OKC has CCI from a gospel huxter, even on the YB-400 portable with whip positioned such that it ordinarily provides unbreakable reception of KOSU. By 1359 I

am manipulating the PL-880 whip to still get enough of the CCI to ID it, and I do: ``KARG, Poteau-Fort Smith``. It's only 2.5/2.5 kW at 569/569 m HAAT, an American Family Radio satellator, 330 km = 205 miles, tnx to the troposphere. I don't look for other FMs but turn on the DTV and find lots of Bad UHF signals, with these Good enough to show around 1405-1415 UT Sept 19:

21, KHBS, Fort Smith AR, 40-1

22, KOKI, Tulsa OK, 23-1 (with local news after 9 am Saturday, odd)

28, Ion, 44-1, [i.e. megawatt KTPX-TV Okmulgee OK]

20, KQCW, Muskogee OK, 19-1

18, KFMS-DT, Fort Smith AR, 5-1

42, KMYT-TV, Tulsa OK, 41-1

27 has a BAD signal, and then NO signal, i.e. OKC KFOR-TV must be totally torn up by KFTA-TV Fort Smith AR, 600 kW, vs 790 kW KFOR. Even without DX QRM, KFOR's signal is no longer solid like it used to be, via my main antenna. What has changed? (Glenn Hauser, Enid, DX LISTENING DIGEST)

** U S A. RF 45, Sept 29 at 1435 UT, tropo is up from KSNW 3.1 Wichita KS, NBC, even tho antenna remains stuck toward OKC; so I try 3.2 and there is ``Telemun`` as that's how it gets into the Wichita market, piggybacking on KSNW, but with breakup. Hepburn's tropo maps do not show any enhancement around here, and just marginal in eastern OK. Nor does Mountainlake, just Colorado/New Mexico.

``Univisi`` is also decoding without breakup on RF 31 = 31-1 (kaput KXOK Enid no longer a blocker). That's really KDCU-DT, a megawatt pretending to be in Derby KS, and W9WI.com shows as 46.1 Univision, 46.2 Unimas --- no, displays as 31-1 with no further subchannels. No other Wichita signals are Good enough to decode under these circumstances (Glenn Hauser, OK, DX LISTENING DIGEST) DTV

** U S A. RF 18, Oct 1 at 1458 UT, DTV 5-1 KFMS-DT from Fort Smith AR briefly decodes, the only DX signal to do so among several other Bad ones in my morning bandscan for area tropo. It stops before I can look for 5-2 or more. Hepburn's 1500 UT forecast map shows some enhancement only east of Tulsa (Glenn Hauser, Enid OK, DX LISTENING DIGEST)

** MEXICO. No doubt due to the geomagnetic storm, off-season sporadic E has been sparked into VHF, November 4, UT:

1505 on 2, fade-in some weak video

1507 on 2, same-offset video CCI; 6m ham map shows only one contact, between CO and SD

1508 on 2, weather and 1510 ``en Monterrey`` (but XEFB 2 is gone)

1510 on 2, star bug in LR from Televisa-2 net with CCI including a large 7 across the screen

1515 on 2, star bug dominates, still same-offset CCI, celebrity interview with YL star of ``Fear of the Living Dead`` with multiple mikes in front of her, including 7 label but may well be on net-2

1517 on 3, video CCI here as MUF ascends

1522 on 2, net-7 bug LR, but still talking about Monterrey: therefore it is Info 7 via XHTAU Tampico

1523 on 4, now some CCI as MUF goes higher

1528 on 2, CCI marimba music --- still probably a Mexican, no 2 in Guatemala

1534 on 2, same-offset CCI including large 5 logo

1537 on 2, Bugs Bunny cartoon amid CCI, probably typical net-5 fare

1537 on 4, f bug LR from Foro TV with `Matutino Express` --- could be flagship XHTV in México DF

1544 on 3, celebrity interview; a large 2 flashes over screen, but not Televisa logo

1546 on 3, net-5 animation audio mixing with video as above

1557 on 2, ``todos los gatos`` ad on video in `hoy` program = Televisa-2, mix with animation audio

1557 on 3, animation audio from Televisa-5 net // 2

1559 on 2, echo animation audio from two net-5 transmitters

1614 on 2 & 3, still CCI; 1620 fading; 1630 2 bits

1635 on 2, fade-in again with PSAs, ads

1637 on 2, Más Vision promo, 1638 mention Guadalajara, i.e. XEWO-TV

1639 on 2, f bug LR, Matutino Express, probably still from XEWO

1652 on 2, still weak audio & video in & out; to be continued?

So with all this co-channel QRM in a moderate off-season Es opening, there are obviously still plenty of analog low-band transmitters on the air in Mexico (the apagón analógico has mostly been in the north, I think). There are now rumblings that the entire country will not be ready for a total blackout by December 31 as planned (Glenn Hauser, OK, WORLD OF RADIO 1798, DX LISTENING DIGEST)

** MEXICO. RF 2, Nov 16 at 1648 UT, my long-hours monitoring for sporadic E openings pays off again, way off-season, with signs of NTSC video. By 1653 I see a full-screen INFO 7 ID, so it's XHTAU, Tampico, Tamaulipas; 1654 ad for SEARS (`say-ARSE`, but no audio MUF yet). 6m Es map now shows two contacts: TX to IN, and shortly, XE2 northern Mexico to Indiana (Glenn Hauser, OK, DX LISTENING DIGEST)

** MEXICO. Another winter sporadic E opening, while analog TV still exists! Dec 6 into UT Dec 7:

2352 on 2, CCI from same offset, one of which is American football so could it be Canada? Grafix soon identify it as NFL; seems to be bug in upper right with Televisa oval log, and a word below it, presumably DEPORTES, so would this be net-2, Canal de las Estrellas?

2353 on 3, Televisa-5 net bug visible in lower right during a drama

2354 on 2, audio now Spanish, CCI from 10-kHz offset

2355 on 2, I make the football video // to KWTV CBS, but considerably ahead of it on cable

0002 on 2, NFL game but with Spanish grafix; evidently the NFL and other wipes on CBS are cleanly replaced by Televisa`s. At times the bug in UR is replaced by something else in alternation; maybe clock?

0007, I try the R75 on 59.75 MHz, and can detect some distorted Spanish sounding audio fading in and out, but its FM mode is not the FM mode of NTSC TV audio; almost sounds better by slope detexion in AM mode, but really unreadable. I do refine the frequency easily to 59.74, i.e. offset-minus. R75 is still using only the same E-W longwire as for HF.

0009, back to the TV set, and now the Spanish audio is OK on it, mentioning that there are 5 y medio minutos left in the game.

0014, I notice that CBS is already out of the game and into 60 Minutes; they must have dispensed with a post-game show. The DX seems to have faded out anyway, and I have to do something else for the next hour+.

0128 on 2, recheck, there is also Es video DX again

0130 on 2, it`s a guy in a labcoat being interviewed by a woman, apparently about some female medical issue. Crawlers in white at bottom show phones in DF, Guadalajara, Monterrey. There`s a big lower-case script g bug in the upper right, and sometimes in the lower left, presumably logo of the infomercial advertiser.

0137, TeleVer full screen ID, soXHFM Veracruz

0139, back to lab coat guy

0145, woman wraps up the show, website or facebook looks like ingestudio or something like that

0146, news segment including about Pres. Obama`s address last hour

0151, CCI, comedy in Spanish; all the above on ch 2

0153 on 4, also very poor in Spanish

0154 on 4, Televisa-5 net bug in LR

0203 on 2, federal anti-child-labor PSA; ad for navidad at B-STORE

0204 on 2, Azteca-7 promo for Simpsons(?) at 7:40

0207 on 2, animation dubbed; crawler at top running right to left --- I wonder if it`s a warning about the imminent DTV transition?

0210 on 2, I recognize the anim as Toy Story (or a sequel) with the cowboy; shortly fadeout (Glenn Hauser, OK, WORLD OF RADIO 1803, DX LISTENING DIGEST)

UNIDENTIFIED. RF 2, Dec 27 at 1743 UT, weak NTSC video fades in, then a bit of audio to go with it. 1746 definitely Spanish audio, seems novela. Tiny text bug in lower right, unfamiliar and unreadable. In and out for a few minutes, nothing further. 6m map shows the only sporadic E is across northeast US, MUF 67 MHz.

My antenna remains permanently aimed about 170 degrees to favor Mexico and Oklahoma City. I habitually assume something like this is Mexico, but that`s becoming less so and with their apagón analógico Dec 31, the band will be more open for more exotic Latin American analog TV DX which still exists (Glenn Hauser, OK, DX LISTENING DIGEST)



Northern FM DX



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

For Dxers 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.

**Jerry Bond
Rochester, NY**

DXing in 2004 Chevy Trailblazer

Dec 30 2015 Es

1326	UNID	89.1	SS music		
1331	WGYL	93.7	Vero Beach	FL	local spot
1332	WLDI	95.5	Juno Beach	FL	Wild Radio, local spot
1335	WRXK	96.1	Bonita Springs	FL	96 K-Rock slogan
1339	WCZR	101.7	Vero Beach	FL	talk show, local spot
1344	WQKA	103.3	Waycross	GA	103 Q
1348	WAMR	107.5	Miami	FL	SS music, Miami mentions Auburn-Memphis Bowl game
1354	UNID	106.3			
1400	WKIS	99.9	Boca Raton	FL	Legal ID, Kiss, c/w
1402	WLRQ	99.3	Cocoa	FL	John Tesh Show." WLRQ in Cocoa, an IHeart Radio Station"
1406	WZZR	94.3	Riviera beach	FL	talk show //101.7
1409	WGYL	93.7	Vero Beach	FL	93-7 WGYL-Today's Best Music
1415	UNID	106.1			SS talk and music
1424	WAVV	101.1	Naples Park	FL	instrumental hits, call to station confirmed

Mike Bugaj
 Enfield, CT
 SDRPlay RSP with an APS13 yagi on the roof.
 My total FM log stands at 2,834 stations.

Dec 26 2015 Es

1040	WFPS	92.1	Freeport	IL	Kickin' Country
1040	WIAI	93.9	Mason City	IA	with Mason City Cadillac adv.
1050	WOLX	94.9	Baraboo	WI	mentioning Madison
1050	KRXL	94.5	Kirksville	MO	calls, weather and Cape Air adv.
1055	WQLZ	97.7	Petersburg	IL	with callsign
1056	WMAX	96.1	Holland	MI	ESPN radio
1056	KQYB	98.3	Springrove	MN	RDS 3cb1, country music
1056	WJJO	94.1	Watertown	WI	RDS 6d64 rock..Megadeth...
1057	WPKR	99.5	Omro	WI	NASH FM
1057	KOKX	95.3	Kiakuck	IA	calls
1059	KCVM	93.5	Evansdale	IA	the Mix, callsign
1059	WLKG	96.1	Lake Geneva	WI	calls and Lake Geneva mentioned
1114	WILL	95.1	Union Grove	WI	RDS 6aa3, 95 Will Rock
1114	WZOK	97.5	Rockford	IL	RDS 9822, Radiotext: Today's Best Music 97ZOK
1114	WXXM	98.1	Millington	TN	98-1 the Max
1114	WXXQ	98.5	Freeport	IL	Q98.5 is everywhere
1114	WUSN	99.5	Chicago	IL	RDS 8b59 Cabellas Adv.
1114	WDRV	97.1	Chicago	IL	The Drive
1115	WXXQ	98.5	Freeport	IL	Q98.5 RDS with 93ca PI code
1115	WVIX	93.5	LaMont	IL	Spanish and Chicago mentioned
1115	KCOB	95.9	Newton	IA	callsign and weather
1115	KHAK	98.1	Cedar Rapids	IA	calls and country music
1117	KWQW	98.3	Boone	IA	the Vibe classic hip-hop RDS with 4bce PI code
1117	KKEZ	94.5	Ft. Dodge	IA	RDS 2ae9 Mix 94.5 the Best Variety
1117	KIOA	93.3	Des Moines	IA	RDS 268c, Iowa's Greatest Hits 93.3 KIOA
1117	KIAQ	96.9	Clarion	IA	RDS 2530 K97 Country
1118	KOEL	98.5	Cedar Falls	IA	calls, country
1118	KCRR	97.7	Grundy Center	IA	calls, classic rock
1118	KMXG	96.1	Clinton	IA	RDS 320c, Mix 96.1
1120	WRNA	94.1	Iowa City	IA	rock, RDS with PI of 3e36 and "Iowa's alternative"
1130	WDDW	104.7	Sturttvant	WI	Spanish, "LaGrande", mostly men talking
1226	KGGO	94.9	Des Moines	IA	callsign and classic rock
1128	WFMT	98.7	Chicago	IL	classical music program Introducations, RDS with PI of 6327
1133	KLMJ	104.9	Hampton	IA	calls

Dec 28 Es

1045	WZEW	92.1	Fairhope	AL
1045	WKSJ	94.8	Mobile	AL

Dec 31 Es

1140	WFLF	94.5	Parker	FL	
1292	WECQ	92.1	Destin	FL	Q92
1225	WMEZ	94.1	Pensacola	FL	RDS 74d9
1225	WKSJ	94.9	Mobile	AL	RDS 17ed 94KSJ
1225	WPAS	89.1	Pascagoula	MS	RDS 7c56 PS & RY: WWW.WPAS.AFR.NET

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

December 06 Ms

1858	KLHV	88.5	Cotton Valley	LA	REL: AC, RDS PS: K-LOVE / PI: KLHV 998
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December 11 Ms -Geminids

1545	KEOM	88.5	Mesquite	TX	45 second burst with jingle ID 1108
2015	{WVPB}	88.5	Charleston	WV	RDS PI: WVPB / RT: West Virginia Public Radio, ex WVPN 361

December 13 -Geminids

1419	WTIC*	96.5	Hartford	CT	Part of ad, RDS PI: WTIC. State # 43 logged! 462
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December 25 Es -MUF 105.3

2215	WMAU	88.9	Bude	MS	RDS PI: "WMPN" 983
2217	WPAS	89.1	Pascagoula	MS	Christmas music, RDS PS: AMERICAN FAMILY RADIO / PI: WPAS 977
2218	KRVS	88.7	Lafayette	LA	RDS PI: KRVS 1093
2219	WRKF	89.3	Baton Rouge	LA	TLK, RDS PS: WRKF 1056
2221	WWNO	89.9	New Orleans	LA	TLK, HD 3 CH: WWNO-3 1054
2223	KKBQ	92.9	Pasadena	TX	Christmas music, RDS PI: KKBQ 1237
2224	KHLA	92.9	Jennings	LA	Ads, RDS PS: THE LAKE / PI: KHLA 1121
2228	WEMX	94.1	Kentwood	LA	R&B, RDS PI: WEMX 1019
2229	WTIX	94.3	Galliano	LA	RDS PI: WTIX 1071
2231	WKBU	95.7	New Orleans	LA	Ads, RDS PI: WKBU 1054
2233	WEZB	97.1	New Orleans	LA	Ads, "B 97", RDS PS B 97 / PI: bogus WVO 1054
2235	KXKC	99.1	New Iberia	LA	C&W, RDS PS: NASH / PI: KXKC 1083
2236	KTDY	99.9	Lafayette	LA	Christmas music, RDS PI: KTDY 1083
2239	KNTE	101.7	Bay City	TX	Spanish ads, HD 1302
2240	KMJQ	102.1	Houston	TX	REL: AC music, RDS PI: bogus WXY 1237
2242	KLTN	102.9	Houston	TX	Spanish ads 1221
2247	WRQQ	103.3	Hammond	LA	Ads, RDS PI: WRQQ 1045
2249	KWMZ	104.5	Empire	LA	Ads, RDS PS: Z-104.5 / PI: KWMZ 1071

2253	WWL	105.3	Kenner	LA	Ads, HD 1048
2257	KMDL	97.3	Kaplan	LA	C&W, RDS PI: KMDL 1095
2059	WDGL	98.1	Baton Rouge	LA	Rock, RDS PI: WDGL 1057
2300	WUUU	98.9	Franklinton	LA	Legal ID, RDS PS: artist/song / PI: WUUU 998
2304	WBKL	92.7	Clinton	LA	Legal ID, RDS PS: K-LOVE / PI: WBKL 1023
2306	KRVE	96.1	Brusly	LA	Christmas music, RDS PS: River / PI: bogus KFSC 1043
2307	KQKI	95.3	Bayou Vista	LA	Christmas music, RDS PS: KQKI 1103
2308	KSMB	94.5	Lafayette	LA	DJ banter, RDS PS: KSMB 1086
2309	WMAW	88.1	Meridian	MS	HD 2 CH: WMAW-2 892
2311	WYLD	98.5	New Orleans	LA	R&B, RDS PI: bogus KBYV, HD 2 CH 1054
2320	KPEL	96.5	Breaux Bridge	LA	RDS PS: KPEL 965 1095
2322	WBSN	89.1	New Orleans	LA	Christmas music, RDS PS: WBSN, HD 1054
2326	KIKL	90.9	Lafayette	LA	REL: AC, RDS PS: K-LOVE / PI: KIKL 1086
2335	KPCP	88.3	New Roads	LA	Christmas music, RDS PI: KPCP 1046
2336	WJSU	88.5	Jackson	MS	Jazz, RDS PI: WJSU 911
2353	KUHF	88.7	Houston	TX	HD 3 CH: KUHF-3 1237
0004	KITA	89.5	Iota	LA	REL: AC, "Air One" 1109
0032	WPAE	89.7	Centreville	MS	REL: AC, RDS PS: WPAE89.7 1008
0038	KRVS	88.7	Lafayette	LA	Only one left, RDS PI: KRVS 1093

December 26 Ms

1859	WQCS	88.9	Fort Pierce	FL	CLA music, RDS PI: WQCS 1118
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December 27 Ms

1004	KZTH	88.5	Piedmont	OK	REL: AC, RDS PS: artist/song / PI: KZTH 1045
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December 27 Ms

1905	CKMW	88.9	Winkler	MB	Part of ad for nearby Morden 875
2026	WCUG	88.5	Lumpkin	GA	RDS PI: bogus WFEF 823

December 30 Es -MUF 107.9

1538	WQCS	88.9	Fort Pierce	FL	CLA music, RDS PS: WQCS 1118
1540	WJIS	88.1	Bradenton	FL	REL: AC, "Joy FM" 1127
1541	WFEZ	93.1	Miami	FL	"Easy 93.1", HD 1219
1542	WGYL	93.7	Vero Beach	FL	Calls 1106
1543	WZZR	94.3	Riviera Beach	FL	RDS PS: WZZR / PI: bogus KDNJ 1165
1546	WAVV	101.1	Marco	FL	EZL music, RDS PS: WAVV 101, HD 1202
1549	WWGR	101.9	Fort Myers	FL	C&W, "The Gator" 1185
1553	WINK	96.9	Fort Meyers	FL	Ads, RDS PS: WINK FM 1159
1555	WUSF	89.7	Tampa	FL	TLK, RDS PS: WUSF89.7 1088
1556	WLFR	90.9	Cutler Bay	FL	REL: AC, RDS PI: bogus WVP 1262
1557	WSOR	90.9	Naples	FL	Preacher, RDS PI: WSOR 1191
1558	WKES	91.1	Lakeland	FL	"Moody Radio Florida" 1071
1602	WIKX	92.1	Port Charlotte	FL	Legal ID, C&W 1153
1607	WSRZ	107.9	Coral Cove	FL	HD 2 CH: WSRZ-2 1136

1609	WTLQ	97.7	Punta Rasa	FL	Spanish, RDS PI: WTLQ 1181
1613	WLLD	94.1	Lakeland	FL	Ads, RDS PS: WiLD / PI: WLLD 1099
1614	WLTQ	92.1	Venice	FL	RDS PI: bogus KBKK 1136

December 30 Ms

1859	WQCS	88.9	Fort Pierce	FL	CLA music, RDS PI: WQCS 1118
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December 31 Es -MUF 97.3 on car radio, gone by 1530 at home

1512	Unid	89.7	?	??	Spanish
1519	KMDL	97.3	Kaplan	LA	C&W, "The Dawg" 1095

2016

January 01 Ms -Quadrantids

0246	WWIK	98.9	Mclellanville	SC	Sports, RDS PI: bogus WXB 727
1607	WQCS	88.9	Fort Pierce	FL	NPR News, RDS PS: WQCS 1118

January 02 Ms -Quadrantids

1215	WRAS	88.5	Atlanta	GA	Several bursts //stream, RDS PI: bogus KWI 701
1218	WJFM	88.5	Baton Rouge	LA	"...central time on Sonlife Radio..." 1052
1221	KEOM	88.5	Mesquite	TX	"...music and more on KEOM..." 1108

January 03 Ms -Quadrantids

1151	WBZE	98.9	Tallahassee	FL	"...on Star 98..." 917
1203	KQRC	98.9	Leavenworth	KS	RDS PS: The Rock / PI: KQRC, again at 1215 744
1211	KYIS	98.9	Oklahoma City	OK	"...Kiss FM..." 1014
1312	KAGL	93.3	El Dorado	AR	Part of ad, RDS PI: bogus WED 932
1316	WQUE	93.3	New Orleans	LA	"...Q 93 weather..." 1054
1402	KIOA	93.3	Des Moines	IA	RDS PI: KIOA 622
1411	KIGL	93.3	Seligman	MO	"...93-3 The Eagle is classic rock. Thanks for flying with The Eagle this weekend..." 830
1443	WEMX	94.1	Kentwood	LA	R&B, RDS PI: WEMX 1019
1444	WZBQ	94.1	Carrollton	AL	Ad, RDS PI: WZBQ 800
1509	WKNN	99.1	Pascagoula	MS	"...K99 Country...", previous Es 987
1523	WRQO	102.1	Monticello	MS	FB game, RDS PS: SUPERTLK / PI: WRQO 954
1531	KEZK	102.5	Saint Louis	MO	David Bowie song, RDS PI: KEZK 574
1634	WCUG	88.5	Lumpkin	GA	RDS PI: bogus WFE 823
2000	WFSU	88.9	Tallahassee	FL	"...W244BM, Apalachicola 96.7..." 902
2004	WNSC	88.9	Rock Hill	SC	News, RDS PS: WNSC 606

NBC to drop WHDH, launch own station

Written by Shirley Leung for *The Boston Globe* [January 7, 2016]

Source: <https://www.bostonglobe.com/business/2016/01/07/ansin-says-nbc-plans-pull-plug-whdh/4NbOMK7uRADzllXGjvle1N/story.html>

NBC said it will drop its affiliation with WHDH-TV (Channel 7) and launch a new network-owned station in Boston in January 2017, the biggest shake-up in the local television market in two decades.

In a memo to employees on Thursday, the network said the new station, dubbed NBC Boston, would carry the NBC programs now seen on Channel 7 as well as new syndicated shows. The station will have a local news team, adding to the expansion that has already taken place at New England Cable News and Spanish-language station Telemundo Boston, which like NBC are owned by Comcast Corp.

The memo did not say which channel would carry the new NBC station.

The change would be the biggest local channel switch since WHDH and WBZ swapped affiliations in 1995, with NBC going to Channel 7 and CBS to Channel 4. The plan was announced just days before the Federal Communications Commission deadline for TV stations to participate in an auction that could further alter the Boston media landscape.

WHDH owner Ed Ansin, who told the Globe last month that NBC was planning the move, said he will not go quietly and has assembled a legal team to challenge the network's decision. The media mogul said the network has told him that it may move its programming to WNEU-TV, a New Hampshire station that NBC owns and currently broadcasts Telemundo on Channel 60. WNEU would broadcast NBC Boston and Telemundo from the same transmitter, Ansin said.



Ed Ansin has owned WHDH in Boston since 1993.

“We are going to contest it,” the 79-year-old billionaire said in an interview at Channel 7’s office in Boston. “I have a feeling a year from now we will still be the NBC affiliate. That’s how serious we think the violations are.”

Among Ansin’s concerns are whether it is in the public interest for NBC to move its programming to a station that reaches half as many people as WHDH’s signal. Comcast took control of NBC about five years ago, but not without caveats from the FCC. Ansin said that under the FCC agreement, Comcast and NBC committed to maintaining a certain level of free over-the-air broadcasting.

Ansin also is exploring whether Comcast would become too dominant in the Greater Boston market. Comcast provides cable to many homes, and through NBC also owns NECN, Comcast SportsNet New England, and Telemundo.

An FCC spokesman declined to comment.

Ansin, who has a long history with NBC, also met with Senator Edward Markey on Thursday to discuss whether Comcast’s move would violate any FCC rules.

“As a longtime supporter of universal service and free, over-the-air local broadcasting, Senator Markey intends to closely scrutinize the impacts any deal could have on viewers in Massachusetts,” Giselle Barry, a spokeswoman for the Massachusetts Democrat, said in a statement.

Boston Mayor Martin J. Walsh also weighed in, quoted in a Channel 7 press release Thursday night saying: “One of my concerns is that it’s unclear of what the future of NBC will be in the city of Boston.” NBC officials would not elaborate on why they ended their agreement with Ansin. NBC Boston will be available to over-the-air viewers, not just to cable subscribers, as some observers had speculated.

Anticipating concerns about the range of the new station, the memo said network executives were “expanding our over-the-air coverage of the market and are currently looking at a variety of options to accomplish that.” Another scenario is for NBC to try to buy another local station.

Networks prefer to own and operate their own stations in major markets because it is more profitable. Ansin has said that NBC told him in September that the network would not renew its agreement and offered \$200 million to buy a portion of WHDH. Ansin balked at the figure, saying it was too low. An NBC spokeswoman said the network was only interested in buying a part of WHDH’s signal and did not offer him that much money.

Daniel Lyons, a professor at Boston College Law School who studies telecommunications issues, said Ansin’s chances of blocking the move depend on the details of the agreement between him and NBC.

“This is primarily a contractual dispute, and the resolution will turn largely upon the terms of the affiliation agreement between NBC and WHDH,” said Lyons. “It’s worth fighting for.”

Ansin and NBC have famously sparred through the years. The Ansin family has been in the television business since it bought WSVN-TV, the NBC affiliate in Miami, more than a half century ago. But in the late 1980s, NBC acquired a rival station in Miami and moved programming there, which forced Ansin’s station to become a Fox affiliate.

In 2009, Ansin defied the network’s orders to air Jay Leno’s new prime-time talk show. After a weeklong standoff, Ansin relented, though NBC ended up pulling the comedian’s show less than a year later due to low ratings.

Asked if he could have done anything to change NBC’s mind about dropping his affiliation, Ansin was emphatic.

“No,” he said. “They made up their mind that they wanted to own a station in Boston. That’s what it all comes down to.”

If Ansin loses his battle with NBC, he said he would operate Channel 7 as an independent station with a focus on news. He said he would even add staff to support more newscasts. The Channel 7 newsroom currently has about 200 employees, many of them working part time. Ansin went through a similar experience in Miami and ended up building a powerful new station, relying on breaking news and flashy graphics.

“It was the best thing that could have ever happened to that station,” said Ansin. “News people like a challenge.”

More changes in the local TV market could be in motion. Ansin, whose Sunbeam Television also owns WLVI-TV (Channel 56), said he wants to sell the station in the FCC’s spectrum auction. The FCC wants to buy local TV signals from stations willing to go dark and has [valued WLVI as high as \\$452 million](#). Ansin bought the station for \$113.7 million in 2006.

Ansin, who expects other owners of local TV stations to also participate in the auction, said he plans to broadcast Channel 56 from the WHDH transmitter.

NBC has already been upgrading and expanding its studio in Newton, where NBC Boston will set up alongside NECN and Telemundo. On Thursday the network named Mike St. Peter, the general manager of NECN and Telemundo Boston, to lead NBC Boston. St. Peter will serve as president, overseeing all three channels.

The network also announced new on-air personalities who will join NECN and are expected to appear on NBC Boston when it launches: Pete Bouchard, who previously was WHDH’s chief meteorologist; Melody Mendez, previously a morning anchor in Chicago, who will come on board as a weekday morning anchor; and Joy Lim Nakrin, who worked as an anchor-reporter on WFXT-TV in Boston and will become an afternoon anchor and evening reporter.

St. Peter said he plans to hire dozens of other staff, including reporters and producers, for NBC Boston. Still, St. Peter said viewers can expect a “blended workforce,” meaning reporters who appear on NECN may also be seen on NBC Boston.

“It’s a very competitive market. We’re going to put the best news product on the air we can,” he said. “We have a good running start.”



NBC said it will drop its network affiliation with WHDH-TV in January 2017 and move its programming to another station. One scenario is for NBC to broadcast from WNEU, a station the network owns, though its signal reaches half as many as people as WHDH.

WRAL to become NBC affiliate, WNCN will now be CBS

Written by Brooke Cain for *The News & Observer* [January 15, 2016]

Source: <http://www.newsobserver.com/entertainment/tv/warm-tv-blog/article54951190.html>

The News & Observer

Get ready for channel confusion to set in with Triangle TV viewers.

It was announced Friday afternoon that WRAL, the area's longtime CBS affiliate, will soon become the NBC affiliate. WNCN, the NBC affiliate, will become CBS.



The change will take place Feb. 29.

Gerald Owens made the announcement at the start of WRAL's 5:30 p.m. newscast, saying WRAL welcomes programming such as the "Today" show, "The Tonight Show with Jimmy Fallon" and this summer's Olympic games.

In morning news, "Today" will be a stronger partner for WRAL than "CBS This Morning" – though the CBS morning news show, which has a stronger emphasis on news over entertainment and is anchored by North Carolina native Charlie Rose, has been making steady gains. ABC's "Good Morning America" is the top morning news show, nationally.



The evening news situation is similar. NBC and ABC are neck-and-neck in the ratings race – with ABC's David Muir recently pulling ahead of NBC's Lester Holt – while CBS lags in third place, with a newscast anchored by Scott Pelley.

In prime-time programming, NBC has made a big comeback in recent years, climbing from the cellar in Nielsen ratings to hold the top spot for the past two years. CBS and ABC tie for second place, just ahead of Fox.

According to a news release from Capitol Broadcasting, WRAL started out as an NBC affiliate in 1956 and switched to ABC in 1962. It became the local CBS affiliate in 1985. The station's owner, Capitol Broadcasting, also owns the local Fox affiliate, WRAZ.

When reached Friday night, Kristen Byrum, director of marketing at WNCN, said the station is excited about the change.

"This is a great thing for WNCN," she said. "CBS has great programming and there are a lot of opportunities to have a fresh start."

WNCN is owned by Media General. In that company's news release, president and CEO Vincent L. Sadusky said it looks forward to having the CBS affiliate in Raleigh. "We are particularly excited about the opportunities this brings to our station and the high-quality network programming that complements our strong local news and unique local content," he said.

WRAL's general manager, Steven D. Hammel, said in the Capitol Broadcasting release: "We've enjoyed a strong relationship with CBS News over the years. Change brings opportunity. I have great confidence in our team to establish WRAL-TV as a dominant NBC affiliate."

WKPT's affiliation with ABC coming to an end

Written by Hank Hayes for the *Times News* [January 4, 2016]

Source: <http://www.timesnews.net/Business/2016/01/04/WKPT-s-affiliation-with-ABC-coming-to-an-end>



KINGSPORT — WKPT-TV announced Monday it will become an independent TV station — no longer affiliated with ABC or a major network — effective Feb. 1.

The Kingsport-based station will also go back out of the local news business, the station said.



WKPT had revived its news operation in 2013 after last producing its own newscasts in 2008.

George DeVault, president of Holston Valley Broadcasting, said in a prepared release the ABC Television Network affiliation for the Tri-Cities market is being moved from WKPT-TV.1 in Kingsport to WJHL.2 in Johnson City on Feb. 1.

Concerning the move DeVault explained: “ABC presented to us a proposal that would have had us paying the network at least \$15 million dollars over the next five years. Although we ultimately agreed to meet the network’s terms, ABC told us a few days ago that it had decided to explore other options in the market. WKPT-TV had been negotiating in good faith with ABC since October of last year.”

DeVault further noted: “A large source of revenue for network-affiliated TV stations has become fees paid by cable and satellite carriers in return for consent for them to carry the local affiliate’s signal. A large portion of those fees ultimately goes to the network, however. If the cable or satellite carrier refuses to meet the affiliate’s fees demand, the affiliate can pull its signal from the system ... The big systems operate in all or a great many TV markets. We operate in one.”

In comparison, DeVault also pointed out, Johnson City-based WJHL is owned by Media General, which operates in almost 50 markets and owns or effectively controls more than 70 stations.

“If it threatens to pull its network affiliate signals in every market where both it and the cable or satellite carrier operate, it has immensely more bargaining power than one independently-owned, family-owned station like WKPT-TV operating only in (national) market number 97,” DeVault continued. “That is why small operators like us are disappearing or being bought up by big group owners, and that is why networks like ABC prefer to be affiliated with the powerful group owners.”

Moving forward, DeVault said becoming an independent TV station not affiliated with a major network will be a tough financial challenge.

“It all boils down to power and money,” DeVault concluded. “Our friends at WJHL did not precipitate this. It was all negotiated at the corporate level by ABC, of which we have been a loyal affiliate for over 46 years, and Media General’s corporate headquarters. The networks and their affiliates used to be loyal partners. We have been loyal to ABC to the end.”

In a release, Media General confirmed ABC Tri-Cities based in Johnson City will deliver news, programming and sports, including Good Morning America, World News Tonight and 20/20; primetime shows such as Castle, Scandal and The Bachelor; and sports and special event programming, including the NBA and the 88th annual Academy Awards.

“ABC has been a great partner over the years and we are pleased to expand our portfolio with the launch of ABC Tri-Cities, which adds to our already strong line-up in that market,” said Vincent L. Sadusky, Media General’s president and CEO.

DeVault stressed digital TV allows stations to multicast more than one stream of programming.

“WJHL will put ABC on their (WJHL.2) and keep CBS on their (WJHL.1),” DeVault explained

DeVault said the station doesn’t have a final answer as to the content it will use to replace ABC programming.

The tentative plan, he added, is to move MyNetworkTV content from secondary station WAPK over to WKPT.

“We’ll fill in with other content from WAPK,” DeVault said. “We’ll probably sign up with one of these new networks similar to Cozi or whatever and put that on WAPK.”



Wireless 20/20 digs into preparations for the upcoming FCC 600 MHz incentive auction proceedings



By Berge Ayvazian and Haig Sarkissian, Senior Analysts and Principal Consultants, Wireless 20/20 [January 13, 2016]

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It is time for bidders to start gearing up for the 600 MHz band incentive auction. This could be the last time a large block of valuable low-band spectrum will be up for sale in the foreseeable future. The Federal Communications Commission recently announced the schedule for the Broadcast Incentive Auction 1001. The deadline for broadcasters to file their initial Form 177 applications expressing their intent to participate in the reverse auction is Jan. 12. Each participating broadcaster that has completed an application must commit to whether it wants to sell all of its spectrum, engage in channel sharing or move to a lower channel or from a UHF to a VHF channel.

Having established the schedule and final procedures for the incentive auction, the FCC is now working to maximize the perceived value of this spectrum during the reverse auction in which broadcasters will offer to voluntarily relinquish some or all of their spectrum usage rights. Although the FCC has stated its central objective is to allow market forces to determine the highest price and best use of the 600 MHz spectrum, a final list of opening bid prices for the incentive auction has been released. The top opening bid price in the reverse auction, where broadcasters will sell spectrum to the FCC, has been set at \$900 million for a station in the New York City metropolitan area.

In the run-up to the reverse auction scheduled to begin on March 29, the agency will hold a mock auction and a practice auction, in addition to training webinars and other tutorials. The FCC will also make available an interactive, online tutorial focusing on the pre-auction application process for the forward auction (Auction 1002) no later than Jan. 19. The FCC is expected to reach its projected 84

megahertz spectrum clearing target across more than 400 partial economic areas, but broadcasters are still running their simulation models to decide whether and how they are going to actually participate in the auction. If successful, the FCC could clear as much as 110 to 126 megahertz of 600 MHz spectrum with very low impairment.

- Most major broadcasting companies are likely to participate in the reverse auction to varying degrees, including CBS, Sinclair Broadcast Group, Media General, Nexstar Broadcasting, Entravision Communications, Meredith and Gray Television.
- Comcast recently stated it will consider selling some “spectrum usage rights” for its NBCUniversal broadcast television stations during the 600 MHz incentive auction, and based on whether it can expect a good price for giving up its spectrum.
- Other broadcasting companies have said they will take a wait-and-see approach to the auction.

Wireless 20/20 believes the FCC needs to keep up momentum for the auction by reassuring broadcasters there will be sufficient interest from carriers in buying their spectrum. Once the reverse auction begins there will be a maximum of 52 rounds, with the prices broadcasters get for their spectrum declining with each round. The process will continue until each broadcaster giving up spectrum is placed in a band or is declared a provisional winning bidder. As part of the auction process, the broadcast television bands will be reorganized or “repacked” so the television stations that remain on the air after the incentive auction occupy a smaller portion of the UHF band, thereby clearing contiguous spectrum that will be repurposed as new, flexible-use licenses suitable for providing mobile broadband services.

The forward auction will ultimately set the prices broadcasters relinquishing rights in the reverse auction will be paid. The FCC Form 175 participant filing window for the forward auction (in which wireless carriers will bid on the broadcast spectrum) was extended to between Jan. 26 and Feb. 9. But mobile operators will not actually know what spectrum will be auctioned until the FCC completes the reverse auction process. Once the reverse auction is completed it will take the FCC a few weeks to set the initial clearing target for how much broadcast spectrum it is going to receive and the band plan. After this brief break, the forward auction will begin. Based on extensive experience in spectrum auctions in the U.S. and Canada, Wireless 20/20 believes mobile network operators and other investors must be ready for the forward action to begin in May or June 2016. Although it is not clear how long the forward auction will last, the FCC estimates the whole process could take two to three months with the auction closing in the third quarter of 2016.

The FCC has released its opening bid prices for the forward auction in which wireless carriers will bid on the broadcast spectrum. Wireless 20/20 has been carefully reviewing forecasts of how much spectrum will be cleared for wireless users in the broadcast incentive auction and how much money the forward auction may attract. Projected auction revenues differ widely and depend on how many broadcasters choose to relinquish their spectrum. In a recent report, Wells Fargo predicted the 600 MHz auction will generate total bids of between \$30 billion and \$35 billion – a range below the astounding \$41.3 billion in net revenue generated in the FCC’s AWS-3 auction, but still above all of the other spectrum auctions the FCC has conducted. This record-breaking result came with major carriers taking on significant debt.

The success of this auction may depend on carriers continuing to have almost an insatiable appetite for spectrum. Carriers are currently making a direct trade off between capital being used for network

densification and allocating capital for the spectrum auction. Mobile carriers are also considering their spectrum needs and the amount they can spend on acquiring new spectrum in light of their current holdings, available capital and the amount of debt they took on to help pay for spectrum they acquired during the AWS-3 spectrum auction. AT&T and Verizon Communications had to sell off assets to help finance their license payments, and this will undoubtedly affect these carriers' ability to invest in the incentive auction. Although 600 MHz spectrum has been prized for its long reach and ability to penetrate walls, the incentive auction is scheduled when AT&T and Verizon are increasingly looking to expand their network capacity. T-Mobile US and Sprint still need additional low band spectrum to enhance their LTE network coverage.

Wireless 20/20's analysis has been influenced by a series of recent statements and financial reports from wireless carriers, signaling that there may be a land rush for these new broadcast spectrum licenses.

- Although AT&T is highly leveraged after its investments in DirecTV and Mexico, the carrier is likely to bid aggressively and dominate the forward auction by spending as much as \$10 billion on a nationwide 2×10 megahertz block of spectrum.
- Verizon will likely limit its bid to a total of \$5 billion. Verizon is less interested in 600 MHz spectrum, which is very good for coverage but not so good for capacity in densely populated areas. Verizon is concerned about the interference between 600 MHz and 700 MHz spectrum, and is more focused on densifying its network with small cells and acquiring fill-ins for existing low-band spectrum.

The FCC has set aside 30 megahertz in most markets for smaller wireless carriers and investor groups that hold a smaller share of sub-1 GHz spectrum to bid on during the forward auction. That would allow Sprint and T-Mobile US to not have to bid against Verizon and AT&T.

- Sprint has already stated that it will not participate in the auction. Sprint's rationale for bowing out is understandable since it lacks capital to bid aggressively against T-Mobile US and the company holds a sizable chunk of high-band spectrum that still need to be deployed to improve capacity.
- Sprint's decision not to participate could make T-Mobile US the only nationwide carrier eligible to bid on the reserve spectrum, and the "un-carrier" will reportedly bid as much as \$8 billion in the 600 MHz auction. T-Mobile US has been selling off towers and more to raise cash, and CEO John Legere has predicted T-Mobile US will walkaway a winner in the incentive spectrum auction.
- Several tier-two regional and tier-three rural mobile service providers appear to be enthusiastic about the opportunity to participate, bid on and win valuable 600 MHz spectrum for mobile broadband, including US Cellular, C Spire, Cellular One, Bluegrass Cellular, Cellcom, Carolina West Wireless, Chariton Valley Wireless, Chat Mobility and Union Wireless.
- Other possible "dark horse" players, or those companies that do not currently play in the wireless industry include Google, and cable companies like Comcast and Charter Communications have stated that they are exploring participating as a bidder in the forward auction to build a low-frequency canopy for areas without Wi-Fi coverage.

- Investor groups are also likely to emerge as bidders once we get closer to the forward auction. Chamath Palihapitiya is backing a company called Rama that has ambitions to compete with Verizon and AT&T by bidding in the range of \$4 billion to \$10 billion in the 600 MHz incentive auction, with the hope of winning enough airwaves to start a new carrier to shake up the U.S. wireless industry.

Smaller carriers and investors face a unique challenge in positioning themselves to secure the most spectrum at the lowest cost and may not be prepared to execute a success strategy for the 600 MHz auction.

Wireless 20/20 has prepared the following check-list for mobile operators and investors as they prepare for the Upcoming 600 MHz Broadcast Spectrum Incentive Auction:

1. Keep a close watch on the reverse auction as it unfolds during the next few months. This will determine how much 600 MHz broadcast spectrum is released and the degree of impairment across more than 400 PEAs. The prices broadcasters receive for their spectrum will decline over a maximum of 52 bidding rounds until a provisional winning bidder is declared for each band.
2. Be patient as the FCC repacks the 600 MHz band so the remaining broadcast TV stations occupy a smaller portion of the UHF band and as much contiguous spectrum can be cleared and repurposed as new flexible-use licenses for mobile broadband services.
3. Organize your forward auction team, including experts in bid tracking, game theory, simulation and competitive analysis, and begin preparing for the forward auction as the reverse auction unfolds.
4. Develop your auction strategy and run a large number of simulations to prepare for the actual bidding process several weeks before the forward auction begins.
5. It is critical that smaller bidders determine the funding needed to effectively participate, and begin project planning, team building and auction preparation early in 2016.
6. Once the FCC has released the cleared spectrum and opening bid prices for the forward auction, these bidders should focus on valuing the spectrum in those PEAs targeted for their company and by likely competitors.
7. The key to winning targeted licenses at the most favorable prices is setting up an auction war room well in advance to conduct auction simulations, track auction bidding and competitive auction bidder prediction.

Wireless 20/20 helps mobile operators and their vendors develop their 4G LTE launch strategies, service offerings, marketing plans, technology roadmaps and business cases. More information about the WiROI™ Neutral Host Network Venue Tool can be found at www.wireless2020.com/WiROINeutralHost/.

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