

Image Courtesy of Chris Dunne, who doesn't need e-skip to see Cuban TV.

E-SKIP IN 2016: CUBA OR BUST

AND MAKE WAY FOR 5G...

FCC'S CUT INTO UHF WILL BE A BIG ONE

The Official Publication of the Worldwide TV-FM DX Association



- 02 The Mailbox
- 04 TV News
- 14 FM Facilities

**NEW EDITOR
NEEDED**

INSIDE THIS VUD

- 22 Coast to Coast TV DX
- 23 FCC To Auction Off
126 MHz Of Spectrum

- 25 CBS Affiliation Change
- 26 First LG UHD Chip
- 27 SDRPlay Acquired

[CLICK TO NAVIGATE](#)

DX REPORTS FROM: Ryan Grabow (FL)

↑ your VUD editor is feeling lonely this month! (grrr)

Let's feature your DX in the next VUD. Send it in!

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.



Editor and publisher: **Ryan Grabow**

Treasurer: **Keith McGinnis** wtfda.org *Webmaster:* **Tim McVey**

Forum Site Administrator: **Chris Cervantez**

Editorial Staff: **Jeff Kruszka, Keith McGinnis, Fred Nordquist, Nick Langan, Doug Smith, John Zondlo and Mike Bugaj**

Website: www.wtfda.org; *Forums:* <http://forums.wtfda.org>



The Mailbox

PAGE TWO

P.O. Box 501 Somersville, CT 06072

Mike Bugaj - Enfield, CT mikeb@wtfda.org



May 2016

What should be happening in May? Skip should be happening in May. It's about time. Hopefully in the upcoming weeks some of us should be hearing and seeing things from thousands of miles away and with Mexican lowband analog stations off the air, we could be hearing about double hop loggings from DXers who never saw double hop before. This could be an exciting season!

So the day after I write the above on the 27th, skip hits in the East with MUFs into FM at a few places midday on the 28th. I got roughly an hours worth of FM Es out of it. I didn't see one TV skip logging. Blame Mexico for that. I did see a couple of logs of Cuban TV seen in ON on Friday the 29th of April. Could it be that Cuba TV will be seen all over North America this summer?

It appears that our skip season has started.

MEMBERS AND MORE

During the period from 3/31 through 4/19 we received dues from Pat Dyer (TX), Andrew Knafel (OH), Patrick Jeffrey (NH), Bill Dvorak (WI), Roger Winsor (IN), Larry Weisberg (NH), Lynn Burke (VA), Luis Franceschi (PR), Chris Dunne (FL), Chris Cervantez (IL), Bryce Foster (TN), Adam Ebel (VA), Rod Jorgenson (WI), Doug Allen (SC), Frank Aden (ID) and Gus Mancuso (MD). Lynn is a brand new member and we welcome him to the WTFDA. Frank Aden rejoins and Gus Mancuso rejoins after an absence of many years. We're glad you guys returned! And we thank every one of you for your support of the WTFDA!

PAYPAL

For those of you who use Paypal, and most of you do now, you can send in your dues either by going to the Paypal website and sending ten bucks to sales@wtfda.org, OR you can now go to <http://paypal.me/WTFDA> and send it directly from there. Just type in the amount in the space provided. Our club logo is also on that page so you know it's us.

FM DATABASE

You may have noticed that we've had some work done on the FM Database thanks to Tim McVey's help. We have had a country field added but at this point we still need to be able to edit it and we need to be able to have users sort stations by country. We have a person working on the changes as time allows. We also have a team of five editors maintaining the database daily, so you know it's up to date whenever you need it.



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.

Ernie Wesolowski is now accepting items for the convention auction. His address is above. Make your reservation now.

Ernie also has 4000 prepared veries on 2 cent postal cards and two 3 ring books of about 150 SW QSL cards. They will be given away to anyone at the Kansas City Gathering this September. Contact Ernie if interested. They are from deceased members. QSL cards are from the 20's through the 40's including log books.

SANGEAN

This week we found that Sangean has come out with three new HD radios. One of them is the HDT-20. It looks like the famous Sangean HDT-1/1A but this time they added a tuning dial instead of those rocker switches. It was priced on the Amazon website for around \$175 but when we checked last, they were out of stock with no estimated arrival date. [Universal Radio](#) also sells them for about \$200. Hopefully this tuner will be DX worthy. If you buy one, tell us what you

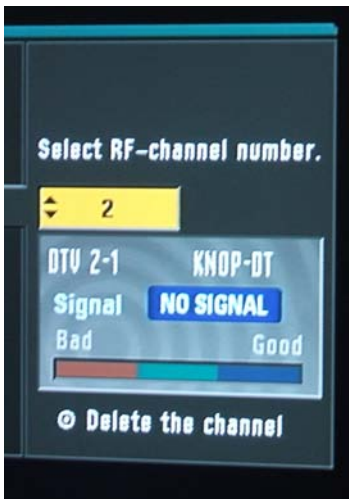
think of it.

THAT'S ALL, FOLKS

And that's it for this month. We'll be back at the end of the month to do it all over again. CU in 30.
Mike B. Enfield, CT, mikeb@wtfd.org.

TV News

Douglas E. Smith
 1389 Old Clarksville Pike
 Pleasant View, TN
 37146-8098
w9wi@w9wi.com
<http://www.w9wi.com>



May 2016










Abbreviations:

- Aux **A**uxiliary (backup) transmitter
- FTP **F**ailure to **P**rosecute
- ROA **R**equest 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
			
Chihuahua			
Chihuahua	24	XHCHZ-TDT	Network change to Canal 5
Chihuahua	26	XHFI-TDT	Network change to Canal de las Estrellas
			
Coahuila			
Torreon	26	XHTOB-TDT	Network change to Gala TV
Torreon	35	XELN-TDT	Network change to Canal 5

Location	RF Ch	Callsign	Notes
			
Durango			
Durango	17	XHDUH-TDT	Network change to Canal de las Estrellas
Durango	22	XHDI-TDT	Network change to Canal 5
			
Alabama			
Mobile	42	WMOE-LP	Application for new station, 54 watts, 30-36-44/87-38-41; digital companion to analog 12
Montgomery	26	W26EC	Requests site change to 31-37-50/86-47-33
			
Alaska			
Fairbanks	22	K22EY	Power increased to 15kw
			
Arkansas			
Paragould	26	KPMF-LD	Call changed from K26MF; requests power increase to 7.5kw, 35-16-32/89-46-37; granted
Texarkana	32	KLIA-LD	Requests power increase to 6kw; new to air, 33-25-06/94-31-39; site changed to 33-07-56/94-10-20; requests further site change to 32-45-27/93-59-14; granted
Texarkana	35	KLFI-LP	Converted to digital, 8kw
			
California			
Agoura Hills	3	KVTU-LD	Requests site change to 34-11-48/118-15-29
Banning	5	KRVD-LD	Requests site change to 34-11-17/117-42-12; granted
Cathedral City	4	KAKZ-LD	Power increased to 3kw
Chico	11	K11VZ	Requests power increase to 3kw
Crescent City	34	K34KJ	Requests power reduction to 1.62kw
Eureka	31	KEUV-LP	Requests power increase to 15kw
Los Angeles	8	KFLA-LD	Power reduced to 850 watts, 34-13-34/118-03-58
Sacramento	3	KCSO-LD	Requests site change to 38-14-50/121-30-03
San Juan Baustista	4	KØ4RS	Requests power reduction to 10 watts, 37-06-54/121-49-11; amendment from 6 watts & to add site change
Santa Rosa	6	KØ6QM	Requests power reduction to 150 watts, 38-30-32/122-39-44; granted

Location	RF Ch	Callsign	Notes
----------	-------	----------	-------



Colorado

Fort Morgan	20	K20KE	Requests power reduction to 5kw, 40-00-31/104-42-34
Fort Morgan	25	K25LA	Power reduced to 5kw, 40-00-31/104-42-36
Grand Junction	2	KREX-TV	Tower height decreased to -36m
Steamboat Springs	38	KYLN-LD	Call changed from K38NS



Delaware

Georgetown	42	W42EI	Requests power reduction to 415 watts, 38-57-31/74-55-20
Rehoboth	33	W33DP	Requests power reduction to 423 watts, 38-57-31/74-55-20



Florida

Ocala	35	WRCZ-LD	Call changed from W35CZ
-------	----	---------	-------------------------



Georgia

Atlanta	26	WLVO-LD	Power increased to 15kw, 33-48-26/84-20-22
Augusta	16	WAGT-CD	Call changed from WDRW-CD
Augusta	35	W35CU	Requests site change to 33-43-29/82-12-18; granted
Augusta	46	W46EK	Granted site change to 33-43-29/82-12-18
Columbus	34	W34EW	Requests power increase to 15kw, 32-45-19/85-15-49
La Grange	21	W21CZ	Requests power increase to 15kw, 32-45-19/85-15-49; granted
La Grange	26	W26DS	Granted site change to 32-45-19/85-15-49
La Grange	32	W32DU	Requests power increase to 5kw, 32-45-19/85-15-49; granted
La Grange	36	W36EO	Requests power increase to 15kw, 32-45-19/85-15-49; granted
Macon	17	W17DY	Granted site change to 32-50-18/83-39-02
Macon	49	W49EO	Requests site change to 33-06-57/83-48-43; granted



Idaho

Boise	25	KFLL-LD	Granted power reduction to 6kw
Twin Falls	17	KYTL-LD	Site changed to 42-43-44/114-24-55

Location	RF Ch	Callsign	Notes
----------	-------	----------	-------



Illinois

Peoria	14	W14DL	Requests power increase to 15kw, 40-37-12/89-17-14
Peoria	16	W16CT	Requests power increase to 6kw
Peoria	32	W32EF	Requests power reduction to 6kw; requests power increase to 15kw, 40-37-12/89-17-14 (Goodfield); new to air, 6kw, 40-33-28/89-34-04
Peoria	35	W35DE	Requests power reduction to 6kw; new to air, 40-39-10/89-35-13; requests power increase to 9kw, 40-37-12/89-17-14
Quincy	40	W40DM	Requests site change to 39-07-16/90-58-11; requests further change to 39-26-43/91-15-36
Rockford	17	WIDN-LD	Requests power change to 15kw, 42-42-30/89-04-28; granted
Rockford	22	W22EE	Site changed to 42-17-32/88-58-04; requests power increase to 15kw, 42-42-30/89-04-28
Rockford	40	W40DF	Granted site change to 41-18-44/90-22-45 (WQAD-TV channel 8 tower near Moline)



Indiana

Evansville	27	W27DH	Requests site change to 38-14-32/86-25-12; granted & on the air; requests power increase to 10kw, 38-16-18/85-56-10
Evansville	33	W33CU	Power reduced to 3kw, 37-578-02/87-52-59; requests power increase to 6kw, 38-01-26/87-21-43
Fort Wayne	20	W20DG	Granted power increase to 15kw
Terre Haute	23	W23DZ	Requests power increase to 6kw & site change to 38-51-21/87-10-06
Wolcott	49	W49DS	Requests power reduction to 6kw, 41-06-50/86-46-34 (near Winamac)



Iowa

Cedar Rapids	24	KRUB-LD	Power increased to 6kw, 42-04-52/91-41-44
Cedar Rapids	45	KCDR-LD	Power decreased to 6kw, 42-04-52/91-41-44
Fort Dodge	28	K28NF	Site changed to 42-00-27/94-14-26; requests further site change to 41-40-24/94-33-09
Fort Dodge	36	KAJR-LD	Granted site change to 41-49-05/93-12-32 (KFPX-TV tower, Baxter)
Keokuk	30	K30NF	New to air, 6kw, 40-23-27/91-24-49; requests site change to 40-47-58/91-32-34
Ottumwa	17	K17LU	Granted power reduction to 6kw; requests site change to 41-11-04/92-38-52

Location	RF Ch	Callsign	Notes
Sioux City	6	KØ6QG	Requests power increase to 3kw, 42-09-40/96-10-27
Sioux City	16	KEJK-LD	Requests power reduction to 6kw, 42-04-09/96-10-03; new to air, 42-29-05/96-18-18 (DTV America)



Kansas

Topeka	20	K20KR	Requests site change to 38-48-20/95-43-03 (between Carbondale & Scranton)
Topeka	35	K35KX	Requests site change, see K20KR above
Topeka	38	KCMN-LD	Granted power increase to 15kw, 39-00-56/94-30-24 (I-435 & East 63 rd St., Raytown, Mo.)



Kentucky

Bowling Green	16	WNKY	Tower height increased to 190m
----------------------	-----------	-------------	---------------------------------------



Louisiana

Crowley	36	K36MG	Requests site change to 30-14-45/92-00-30
Lafayette	43	K43MS	Requests site change to 30-13-18/92-03-49
Lafayette	47	K47NC	Requests site change to 30-13-18/92-03-49
Lafayette	48	K48MK	Requests site change to 30-06-22/92-04-22; granted



Massachusetts

Springfield	34	WTXX-LD	Converted to digital, 15kw
-------------	----	---------	----------------------------



Michigan

Detroit	19	WUDL-LD	Moved from ch. 47, 11.6kw, 42-26-52/83-10-23
Kalamazoo	26	WJGP-LD	Call changed from W26BX
Lansing	27	WLNLM-LD	Call changed from W27CN
Midland	23	WIEK-LD	New to air, 5kw, 44-03-31/84-23-54 (DTV America); requests power increase to 6kw, 43-40-47/84-23-50
Midland	25	W25ET	Site changed to 43-44-17/84-00-49 (Linwood); requests further change to 43-24-19/83-48-11; granted
Midland	38	W38FK	Site changed to 43-44-17/84-00-49 (Linwood); requests further change to 43-24-19/83-48-11; granted

Location	RF Ch	Callsign	Notes
Midland	42	W42EJ	Requests power increase to 6kw, 43-44-17/84-00-49 (Linwood); granted & on the air; requests site change to 43-24-19/83-48-11; granted
Midland	49	W49EG	Granted power reduction to 6kw; new to air (DTV America); requests site change to 43-42-56/84-45-29 (Rosebush); granted & on the air; requests site change to 43-21-23/85-04-49; granted



Minnesota

Minneapolis	43	KMBD-LD	Power increased to 15kw
-------------	----	---------	-------------------------



Mississippi

Clarksdale	29	W29EM	Requests site change to 33-28-08/90-37-10; granted
Clarksdale	31	W31DZ	Requests site change to 33-28-08/90-37-10; granted
Greenville	47	W47EM	Requests site change to 33-28-08/90-37-10; granted
Lumberton	33	W33DT	Granted site change to 29-55-12/90-01-28




Missouri

Columbia	14	K14OI	Site changed to 38-45-12/93-20-05; requests further site change to 38-46-45/93-50-35; granted & on the air
Jefferson City	32	K32KV	Requests site change to 38-46-45/93-50-35
Joplin	18	K18JV	Site changed to 36-11-56/95-43-31
Joplin	39	KZLL-LD	Site changed to 36-11-56/95-43-31



Montana

Townsend	4	K04QX	Power increased to 65 watts, 46-16-48/111-24-57
Townsend	7, 11, 13	K07EJ, K11WM, K13KH	Power reduced to 17 watts, 46-16-48/111-24-57

Location	RF Ch	Callsign	Notes
			
Nebraska			
Lincoln	14	K14N	New to air, 6kw, 40-53-59/97-32-37 (DTV America); requests site change to 40-55-42/96-58-22
Lincoln	19	K19JI	New to air, 6kw, 40-53-59/97-32-37 (DTV America); requests site change to 40-55-42/96-58-22
Lincoln	25	K25LK	Requests site change to 40-55-43/96-58-23; new to air, 6kw, 40-55-42/96-58-22 (DTV America); requests site change to 40-55-42/96-58-22
Lincoln	40	K4ØLJ	Requests site change to 40-55-43/96-58-23; new to air, 6kw, 40-52-49/97-18-20 (DTV America); requests site change to 40-55-42/96-58-22



New Mexico			
Gallup	48	K48GK	Converted to digital, 350 watts
Santa Fe	19	K19JK	Requests power reduction to 500 watts; granted; new to air; requests power increase to 6kw, 35-57-12/106-01-14; granted
Santa Fe	50	K50MI	Requests power increase to 6kw; granted; new to air; requests power reduction to 3kw, 35-40-00/106-00-51; granted
Silver City	25	K25DI	Converted to digital, 228 watts



New York			
Rochester	42	WNIB-LD	Call changed from W42CO



North Carolina			
Lumberton	41	WHEH-LD	Granted power increase to 6kw
Wanchese	6	WMTO-LP	Requests power increase to 3kw, 35-50-48/75-37-19 (ANALOG station)
Sylva	2	W02AF	Converted to digital, 50 watts, 35-22-01/83-13-17
Washington	39	WGDO-LD	Requests site change to 35-20-34/77-17-04; granted

Location	RF Ch	Callsign	Notes
----------	-------	----------	-------



Oklahoma

Enid	36	K36MV	New to air, 6kw, 36-32-12/98-00-38 (DTV America)
------	----	-------	--



Ohio

Canton	25	WUEK-LD	Call changed from W25EK
Canton	43	W43DB	Requests site change to 41-29-13/81-41-01



Puerto Rico

Culebra	24	W24DW	New to air, 15kw, 18-19-19/65-17-59 (TV Red de PR)
Juana Diaz	45	W45DI	Power increased to 15kw, 18-09-15/66-33-15
Juana Diaz	49	W49DI	New to air, 15kw, 18-05-02/66-27-22 (TV Red de PR)
Ponce	50	W50EO	New to air, 15kw, 18-05-02/66-27-22 (TV Red de PR)
Santa Isabel	18	W18DQ	Power increased to 15kw, 18-02-52/66-39-16
Vieques	34	W34DY	Power increased to 15kw



South Carolina

Florence	19	W19DX	Requests power increase to 15kw, 33-32-02/79-59-14; granted
Florence	22	W22EQ	Requests power increase to 15kw, 33-32-02/79-59-14; granted
Myrtle Beach	4Ø	W4ØDJ	Requests site change to 33-31-15/79-30-31; granted



South Dakota

Lead	5	KHSD-TV	Call changed from KIVV-TV
Lead	10	KQME	Call changed from KHSD-TV
Rapid City	2	KHME	Call changed from KOTA-TV
Rapid City	7	KOTA-TV	Call changed from KEVN-TV

Location	RF Ch	Callsign	Notes
----------	-------	----------	-------



Tennessee

Chattanooga	40	WDSI-TV	Requests tower height reduction to 300m, 35-09-38/85-19-05
Cleveland	42	WFLI-TV	Requests change to 525kw/300m, 35-09-38/85-19-05
Jackson	50	W50EH	Site changed to 35-52-43/87-44-12







Texas

Beaumont	16	K16JC	Requests power reduction to 500 watts, 30-03-43/93-58-50 (KDVE-AM tower, Vidor)
Beaumont	19	K19JY	Granted site change to 30-06-34/94-01-41
Beaumont	23	K23MJ	Granted power increase to 10kw, 30-06-34/94-01-41
College Station	41	KTJX-LD	Site changed to 30-29-02/97-38-47; requests power reduction to 3kw, 30-19-23/97-47-58 (KKMJ-FM tower, Austin)
College Station	49	K49LC	Power increased to 6kw
Lufkin	25	K25LV	Granted site change to 32-03-05/94-18-15
Lufkin	33	K33KO	Requests site change to 32-23-20/94-00-59; granted
Lufkin	38	K38MD	Granted site change to 32-03-05/94-18-15
Lufkin	41	K41LW	Requests site change to 31-44-18/94-35-31; requests further change to 32-03-05/94-18-15; granted
Lufkin	47	K47NF	Granted site change to 32-00-48/95-20-57
Port Arthur	18	K18JK	Requests power reduction to 500 watts, 30-03-43/93-58-50 (KDVE-AM tower, Vidor)
Rio Grande City	5	KRGT-LD	Application for new station, 3kw, 26-18-09/98-37-17; digital companion channel for analog 6
Sherman	38	KGNE-LD	Requests site change to 34-30-19/97-07-27; granted & on the air



Virginia

Crozet	15	W15DW	Requests power increase to 6kw, 37-53-47/78-19-45
Crozet	29	W29EO	Requests site change to 37-39-06/78-28-48
Crozet	31	W31EC	Requests power reduction to 1kw; requests power increase to 2kw, 38-18-19/78-19-16
Crozet	34	W34EV	Requests site change to 37-39-06/78-28-48
Crozet	35	W35DJ	Requests power increase to 6kw, 37-53-47/78-19-45
Crozet	38	W38FW	Requests power increase to 6kw, 37-53-48/78-19-45
Bristol	29	WCYB – 0404AAZ	Power increased to 15kw

Location	RF Ch	Callsign	Notes
			
Washington			
Cle Elum	6	KDMD-LD	Site changed to 47-09-37/120-47-33; granted & on the air; call change from KØ6QH; CL changed from Ellensburg
Seattle	23	K23KI	Power reduced to 50 watts, 47-19-29/121-53-18; requests power increase to 15kw, 47-30-09/122-09-16
Spokane	17	KWSU – 0819ABA	Requests power increase to 1kw, 47-34-45/117-17-48; Digital Replacement Translator for ch. 10 Pullman
Wenatchee	36	K36KY	New to air, 15kw, 47-26-16/120-10-42 (3 Angels Broadcasting Network)
			
West Virginia			
Summersville	16	WZTS-LD	Granted site change to 37-55-40/80-58-11
			
Wisconsin			
Wausau	14	W14EA	New to air, 3kw, 44-49-07/89-03-18 (DTV America); site changed to 44-58-59/89-36-07
Wausau	19	WODR-LD	Requests power reduction to 3kw, 44-49-07/89-03-18; call changed from W19DR; new to air
Wausau	29	W29EH	New to the air (DTV America) (Kokomo, Indiana)
Wausau	34	W34EO	Requests power increase to 15kw, 44-38-13/89-51-23
Wausau	47	W47EK	Requests power reduction to 3kw, 44-49-07/89-03-18; new to air
			
Wyoming			
Casper	16	K16JI	New to air, 12.6kw, 42-51-00/106-21-46 (Gray TV)

Many thanks to Raymie Humbert for the Mexican information.

FM Facilities Report

May 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	NS-New Station Permit Granted	RA>Returns to the Air
Aux- Auxiliary Backup Transmitter	NW-New Station on the Air	ROA-Request of Applicant
CC- Call Change	PC-Power/Height Change Granted	XG-new site granted
CL-City of License	PG-Power Change Granted	XC-transmitter site changed
CX-Canceled	QG-Frequency Change Granted	

More AM translators were approved during April, just in time to clog up your remaining DX channels before skip season. This month we only have eight pages of them.

AL	Mobile	99.5	W258AY	PC>250w, 30-44-06/88-07-16; relays WNTM 710
AL	Gardendale	97.3	WPYA	CC from WEZZ-FM
AL	Bessemer	96.9	WVBC-LP	PC>85m, 33-23-37/68-56-31
AL	Florence	105.9	W290CZ	QG from W232AH-94.3, 250w; relays WBTG 1290
AL	Saraland	92.5	W223BX	PG>250w, 30-43-34/88-09-06; relays WRKH 96.1
AL	Talladega	95.1	W236CQ	QG from 105.9, 110w, 33-37-20/85-52-19; relays WDNG 1450
AL	Clanton	94.1	W231DE	QG from W238BS-95.5, 70w, 33-26-39/86-52-46; relays WJLD 1400
AL	Mobile	101.1	W266CM	PG>250w, 30-43-34/88-09-06; relays WZEW 92.1
AL	Pinedale	99.7	W259BS	NW 10w, 32-20=07/86-17-16; relays WLBF 89.1
AL	Tillmans Corner	96.5	W243CY	PG<50w, 30-31-23/88-06-32; relays WZEW 92.1
AL	Mobile	97.9	W250CB	QG from W239AP-95.7, 250w; relays WJLD 1270
AL	Tillmans Corner	96.5	W243CY	NW 50w, 30-31-23/88-06-32; relays WZEW 92.1
AL	Auburn	97.3	WAUF-LP	PC>54m, 32-34-47/85-29-29
AZ	Phoenix	90.7	K214FF	QG from K205CI-88.9; relays KEBR 88.1
AZ	Show Low	99.7	KPKX-LP	QC from 99.3, 236m, 34-12-22/109-56-32
AZ	Flagstaff	107.9	K300CI	NW 250w, 35-14-30/111-36-34; relays KJTA 89.9
AZ	Flagstaff	101.5	KSZN-LP	NW -171m, 35-12-10/111-37-05 (Sunnyside Neighborhood Association of Flagstaff)
AZ	Flagstaff	90.7	K214DT	PG>190w, 35-14-25/111-35-49
AZ	Kingman	96.5	K243BR	PG<10w; relays KNLB 91.1
AZ	Peach Springs	104.5	K283BZ	PG<10w; relays KZUL-FM 104.5
AZ	Tuba City	102.9	K246CH	QC from 97.1, 80w, 33-29-33/111-38-23; relays KIKO 1340
AZ	Globe	92.7	KXTW-LP	QC from 95.9
AZ	Yucca	106.1	K291BU	PG>175w, 35-01-58/114-21-57; relays KJJJ 102.3
AZ	Casa Grande	96.5	K243BP	NW 60w, 32-49-18/111-42-42; relays KLVA 105.5
AZ	Casa Grande	101.1	K266BO	NW 23w, 32-49-18/111-42-42; relays KZAI 89.9
AZ	Flagstaff	95.5	K238BL	NW 235w/592m, 35-14-26/111-35-51; relays KZXX 98.9
AZ	Parker	106.5	K293BR	NW 250w, 34-08-06/114-16-42; relays KWFH 90.3
AZ	Sierra Vista	94.5	K233DG	QG from 95.1, 31-32-55/110-14-40; relays KCDQ 95.3
AR	Camden	107.7	K288FC	QC from 105.5, 250w, 32-21-29/90-48-18; relays WVBG 1490
AR	Prescott	95.7	K259CT	QC from 99.7, 250w, 33-33-16/96-13-24; relays KFYN 1420
AR	Fort Smith	102.3	KGDA-LP	PG<15m
AR	College City	94.1	K231BV	NW 250w/338m, 35-57-14/90-41-41; relays KIYS 101.7
AR	Dumas	94.9	K235CQ	QG from 105.3, 32-34-27/93-44-34 but rescinded
AR	Marianna	100.1	K261EA	NW 250w/102m, 34-51-17/90-55-02; relays KTRQ 102.3
CA	Mettler	98.9	KHHT	PG 225w/500m, 34-54-10/118-54-14
CA	Victorville	96.3	K242CS	PG<130w, 34-36-38/117-17-18; relays KATJ-FM 100.7
CA	Fresno	92.5	KFGD-LP	NW 29m, 36-47-15/119-42-46 (Fig Garden Police Protection District)
CA	Nipomo	107.9	KTGY-LP	NW 2m, 35-01-50/120-33-11 (Central Coast Maintenance Assoc.)
CA	Scotts Valley	89.3	KRZC	CX ROA
CA	Santa Barbara	93.3	K227BI	XG 34-31-31/119-57-29; relays KLVH 88.5

CA	Shafter	93.7	K229CD	XG 35-29-11/118-53-21; relays KVMX 92.1
CA	Victorville	96.3	K242CS	NW 130w, 34-36-38/117-17-18; relays KATJ-FM 100.7
CA	Barstow	101.3	KWIE	CC from KCEQ
CA	Santa Clarita	101.5	KZNQ-LP	PC>-31m
CA	Carmel Valley	93.5	K228FD	PG>99w, 36-30-22/121-43-04; relays KPRC-FM 100.7
CA	Indio	93.1	K226BT	PG>250w, 33-45-58/116-14-01; relays KRTM 88.1
CA	Quartz Hill	104.7	K284CD	PG>10w, 34-32-10/118-08-16; relays KODV 89.1
CA	Sonora	107.7	K299BR	NW 132w, 38-01-01/120-13-51; relays KCIV 99.9
CA	Susanville	104.7	K284CL	QG from 105.1, 250w, 40-15-31/122-05-20; relays KBLF 1490
CA	Woodlake	95.3	K237FL	XG 36-18-04/119-12-21; NW; relays KQKL 88.5 (power listed as zero?)
CA	San Diego	99.3	K257FV	PG>250w; relays KLVJ 102.1
CA	Orcutt	102.1	K271BV	NW 250w, 34-58-38/120-25-52; relays KVSM 1360
CA	Shafter	93.7	K229CD	NW 250w, 35-29-11/118-53-21; relays KVMX 92.1
CO	Crested Butte	106.7	K294CZ	QG from K296AL-107.1, 10w, 38-52-40/107-03-56; relays KMOZ-FM 92.3
CO	Grand Junction	101.1	K266CE	QG from K224DN-92.5, 99w, 39-03-59/108-44-41; CL from Cimarron; relays KTMM 1340
CO	Grand Junction	102.1	K271AE	PG<20w, 38-52-40/108-13-30; CL from Cedaredge; relays KMOZ-FM 92.3
CO	Loveland	101.3	K267CD	QC from 95.9, 1w, 40-25-16/105-15-18; CL from Laramie, Wyo.; relays KBUD 1570
CO	Telluride	94.5	K233DF	QG from K280AE-103.9, 60w, 38-52-40/108-13-30; relays KJYE 1400
CO	Deer Trail	93.7	KVAM	PC>25.5kw/212m, 39-22-30/103-48-05
CO	Colorado Springs	107.3	K297BQ	QC from 106.7, 250w, 38-46-15/104-51-20; CL from Fountain; relays KQSC 1530
CO	Denver	104.7	K284CI	PG>140w; relays KDCO 1340
CO	Glenwood Springs	93.1	K226CD	PG>13w, 39-33-43/107-19-02; relays KGHT 100.5
CO	Sterling	95.3	K277BR	QC from 103.3, 50w, 39-43-46/105-14-08; relays KLDC 1220
CO	Grand Junction	95.5	K238BK	PG<10w, 39-04-40/108-32-40; relays KLFV 90.3
CO	Greeley	94.5	K233CH	NW 230w/69m, 40-26-15/104-43-25; relays KXGR 89.7
CO	Palisade	96.9	K245BU	XG 39-06-23/108-21-14; relays KAFM 88.1
CO	Alamosa	102.7	K274CU	PG<4w, 37-28-26/105-52-49; relays KTML 91.5
CO	Durango	99.3	K257FH	XG 37-15-43/107-54-08; relays KRSJ 100.5
CO	Holyoke	96.1	K241CN	QG from K257GB-99.3, 250w, 40-40-05/99-04-52; relays KGFW 1340
CO	Dotsero	100.1	KKVC	QG from 100.9
CO	Dotsero	100.1	KKVC	QC from 100.9
CO	Estes Park	88.7	KKWY	CX, license surrendered
CO	Hugo	92.3	KKHG	CX, license surrendered
CO	Durango	99.3	K257FH	NW 10w, 37-15-43/107-54-08; relays KRSJ 100.5
CO	Glenwood Springs	93.1	K226CD	NW 13w, 39-33-43/107-19-02; relays KGHT 100.5
CO	Pueblo	107.5	K298CG	NW 250w, 38-18-55/104-37-03; relays KAVA 1480
CO	Rifle	102.1	K271BA	PG>62w, 39-30-50/107-44-52; relays KMGJ 93.1
CT	Torrington	105.1	W286AP	PG>100w; relays WAPJ 89.9
CT	Bridgeport	102.3	W272DO	PG<60w; relays WPLR 99.1
CT	WV Hartford	91.9	W220CH	PG>10w; relays WGRS 91.5
CT	Collinsville	107.5	WWMM-LP	NW 27m, 41-48-40/72-54-40 (Huckelberry Hill Music Society)
FL	Islamorada	93.5	WZFL	NW 26kw/109m, 24-57-34/80-34-30 (Zoo Communications)
FL	Valparaiso	103.1	WZLB	PG>124m, 30-24-38/86-37-22
FL	Pensacola	97.1	W246BN	XC 30-25-59/87-13-09; CL from Atmore, Ala.; relays WPNN 790
FL	Pompano Beach	107.1	WAFG-LP	PG 53m, 26-13-31/80-08-15
FL	St. Petersburg	99.1	WUJM-LP	NW 44m, 27-46-50/82-39-30 (Carifesta)
FL	Key WV	107.9	WMFM	PG>100kw/167m, 24-40-36/81-30-39
FL	Sarasota	106.5	WRUB	CC from WLTQ-FM
FL	Bloxham	98.1	W251BM	XG 30-27-12/85-02-09; relays WYBT 1000
FL	Melbourne	107.7	W299CI	QG from 101.9, 250w, 27-59-36/82-24-46; relays WAMA 1550
FL	St. Augustine	100.9	W265DD	NW 250w, 29-57-57/81-28-36; relays WSOS-FM 94.1
FL	Bloxham	98.1	W251BM	XC 30-27-12/85-02-29; relays WYBT 1000
FL	Sarasota	98.3	W255CC	QC from 98.9, 215w; relays WSRQ 1220
FL	WV Palm	101.5	W268CF	PG>50w, 26-40-54/80-11-37; relays WFLV 90.7
FL	Kissimmee	97.1	W246CK	NW 250w, 28-22-01/81-23-13; relays WRUM 100.3
FL	Monticello	100.3	W262CC	PC<32w, 30-28-43/84-05-19; relays WFRF 1070
FL	Pensacola	103.7	W266AS	QC from 101.1, 250w, 30-27-09/87-14-26; CL from Carrabelle; relays WPNN 790

FL	St. Augustine	103.9	W258BF	QC from 99.5, 240w; relays WSOS 1170
FL	Cape Coral	107.7	WLLJ-LP	PG 31m
FL	Deltona	97.1	WEDI-LP	PG<25m, 28-53-29/81-17-09
FL	Miami Beach	95.3	WLJM-LP	NW 43m, 25-55-03/80-09-26 (Calvary Chapel)
FL	Orlando	96.1	WWID-LP	PG>37m, 28-32-43/81-12-39
GA	Waynesboro	92.9	WYBO	NW 4.3kw/99m, 33-13-06/82-02-32 (John Smith)
GA	Bainbridge	93.3	W227DI	QG from W290AS-105.9, 250w, 33-48-26/84-20-22; relays WCFO 1160
GA	Buford	89.7	W209CD	PG>175w, 33-55-01/84-12-06; relays WCLK 91.9
GA	Millen	100.1	W223AF	QC from 92.5, 250w, 35-04-17/78-52-27; relays WFAY 1230
GA	Athens	92.7	W258CC	QC from 99.5, 250w, 33-59-14/83-20-17; relays WXAG 1470
GA	Augusta	106.3	W292EE	NW 250w, 33-36-41/81-56-30; relays WSCG 105.7
GA	Culloden	101.3	W267CC	QG from 105.1, 250w, 35-17-28/81-34-03; relays WOHS 1390
GA	Lumpkin	97.1	W246DG	QG from W231BB-94.1, 35w, 35-29-31/85-02-59; relays WDNT 1280
GA	Warner Robins	99.5	W258AP	PG>190w; relays WRWR 107.5
GA	Augusta	105.3	W287CG	NW 215w/125m, 33-30-23/81-57-44; relays WKSP 96.3
GA	Albany	96.3	WJIZ-FM	PC>79kw/248m, 31-32-57/84-00-19
GA	Atlanta	88.5	WRAS	PC 50kw/318m, 33-44-41/84-21-36
GA	Valdosta	90.9	WVVS-FM	PC 3.2kw/60m, 30-50-49/83-14-13
GA	Eatonton	97.7	WMGZ	PG>100kw/130m, 33-50-56/82-46-29 CX ROA (remains 8.5kw/169m at old site)
GA	Colquitt	106.1	W291CY	QG from W279AS-103.7, 250w, 30-44-45/88-05-39; relays WASG 540
GA	Lawrenceville	103.9	W257CI	QC from 99.3, 250w, 33-57-11/83-58-15; CL from Athens; relays WISK 990
GA	Milledgeville	96.9	W254AN	PC>250w, 33-06-49/83-13-08; relays WEEZ 89.9
HI	Honolulu	90.1	KTUH	QC from 90.3, 7kw/501m, 21-20-12/157-49-03
HI	Kaunakakai	95.9	KKHI	QC from 102.3, 780w/521m, 20-50-41/156-54-04
HI	Paia	102.1	KMKV	QG from 102.9, 330w/1796m, 20-42-34/156-15-49
IL	Beardstown	96.9	W245BZ	PG<27w, 40-03-47/90-28-11; relays WTSG 90.1
IL	Lincoln	105.3	W287BP	PC>100w; CL from McLean; relays WLLM 1370
IL	Sherman	94.7	W234CC	NW 250w/88m, 39-49-44/89-35-44; relays WMAY 970
IL	Dixon	99.7	W259CS	QG from W286BM-105.1, 250w, 42-05-55/88-41-29; relays WLBK 1360
IL	Taylorville	96.5	W243DN	QG from 96.7, 250w; relays WMKR 94.3
IL	Bourbonnais	96.1	W241BS	NW 250w/66m, 41-09-39/87-52-30; relays WVLI 92.7
IL	Lincoln	97.1	W246CO	PG>200w; relays WLLM 1370
IL	Beardstown	96.9	W245BZ	NW 27w, 40-03-47/90-28-11; relays WTSG 90.1
IL	Monmouth	94.1	W231DA	NW 205w, 40-54-41/90-38-52; CL from Oakville, Ia.; relays WRAM 1330
IL	Seward	102.5	W273CZ	QG from W291BW-106.1, 200w, 41-48-19/88-36-23; relays WSQR 1180
IN	Worthington	94.1	WLZT	PG>6kw/100m, 39-02-20/86-50-08
IN	Michigan City	88.7	W204CS	QG from W203AJ-88.5; relays WAFR 88.3
IN	Rushville	92.9	W225CM	QG from W254AP-98.7, 40-17-57/83-02-45; relays WDLR 1550
IN	Columbus	102.1	W271BG	PC>55w, 39-14-45/85-56-16; relays WJLR 91.5
IN	Goshen	96.5	WLEG-LP	NW 27m, 41-35-21/85-48-25 (Latinos Pro Education)
IN	Knightsville	104.1	W281BG	NW 120w, 39-33-44/87-07-27; relays WHOJ 91.9
IN	Michigan City	88.7	W203AJ	QC from 88.5; relays WAFR 88.3
IN	Evansville	103.5	WIAH-LP	QG from 103.7, 31m, 38-02-12/87-34-27
IN	Marion	101.3	W267BN	NW 170w/29m, 40-31-44/85-39-17; relays WBCL 90.3
IN	Vincennes	101.3	W267BO	NW 250w, 38-40-40/87-31-41; relays WZDM 92.1
IN	Anderson	92.7	W224CL	NW 19w, 40-05-37/85-42-55; relays WIKL 101.7
IN	Indianapolis	93.5	W228CX	PC>250w, 39-46-03/86-00-12; relays WFNI 1070
IN	Monticello	94.5	W233BT	NW 27w, 40-45-01/86-47-03; relays WHLP 89.9
IA	Eagle Grove	102.7	K274CV	QG from K267BC-101.3, 250w, 41-01-29/92-28-09; relays KBIZ 1240
IA	Amana	89.5	K208FZ	QG from K211FX-90.1, 10w; relays KEBR 88.1
IA	Davenport	103.1	KTJT-LP	QC from 102.7, 30m
IA	Creston	90.9	KLOX	PG>100kw/104m, 41-04-38/94-19-09
IA	Des Moines	95.3	K237GC	NW 250w, 41-38-20/93-48-26; relays KKDM 107.5
IA	Muscatine	107.1	K296GZ	QG from 106.9, 41-33-00/90-28-37; relays WLLR-FM 103.7
IA	Amana	89.5	K211FX	QC from 90.1, 10w; relays KEBR 88.1
IA	Atlantic	104.1	K281CJ	QC from 92.7, 99w, 41-13-59/95-58-02; relays KOMJ 1490
IA	Malvern	107.7	KIMI	FC;

IA	Ames	97.9	K250BC	NW 170w/115m, 42-02-18/93-40-53; relays KKDM 107.5
IA	Davenport	95.3	K237FP	XG 41-32-16/90-37-56; relays KTJT-LP 103.1
IA	Sioux City	97.1	K248AY	QC from 97.5, 250w; relays KZOI 1250
KS	Atwood	106.1	KYVZ	NW 60kw/108m, 39-47-03/101-15-46 (Joseph J. Vyzourek)
KS	Chanute	98.5	K253BF	PG<92w, 37-35-59/95-39-10; relays KTRU 91.9
KS	Salina	96.9	K245BN	NW 250w, 38-52-18/97-38-54; relays KTLI 99.1
KS	Clay Center	96.7	K244EL	PG>208w, 39-23-20/97-06-45; PC; relays KJRL 105.7
KS	Lawrence	104.7	K284BS	XG 38-53-23/95-17-17; relays KCIU-LP 91.1
KS	Marysville	94.1	K231AX	XG 39-51-28/96-38-56; relays KNDY 1570
KS	Abilene	106.5	KGIH-LP	PC 30m, 38-55-45/97-16-14
KS	Beloit	107.5	KKSJ-LP	PC>30m, 39-28-09/98-05-37
KY	Paducah	97.5	W262BA	QC from 100.3, 250w, 37-08-33/88-39-02; CL from Spencer, Ind.; relays WRİK 750
KY	Catlettsburg	93.3	W227CI	NW 130w, 38-28-03/82-35-49; relays WCMI 1340
KY	Covington	95.3	W237DW	NW 6w, 39-06-59/84-30-07; relays WEBN 102.7
KY	Brandenburg	95.3	WLHN-LP	NW 42m, 37-59-08/86-11-04 (Santa Maria Corp.)
KY	Morganfield	107.7	W299CH	QG from W253BJ-98.5; relays WUCO 1550; QC
KY	South Portsmouth	90.9	W215AV	QG from W213BP-90.5; relays KAWZ 89.9
KY	Morrill	93.7	W229CP	QG from 104.3, 250w, 37-44-20/84-16-17; relays WCBR 1110
KY	Richmond	95.9	WKRI-LP	NW 30m, 37-43-28/84-18-37 (Richmondradio)
LA	Baton Rouge	91.1	KLSU	PC>23kw
LA	Cameron	107.1	KMCZ	PG>25kw/90m, 29-59-27/93-24-34
LA	Natchitoches	90.1	K211DY	PG>99w, 31-47-26/93-04-53; relays WJFM 88.5; supercedes permit for 10w at 31-47-44/93-08-02
LA	Dunn	97.9	K250BQ	QG from W256CX-99.1, 250w, 33-33-46/92-50-39; relays KNHD 1450
LA	Elton	106.3	KWRJ-LP	NW 30m, 30-31-21/92-42-59 (Coushatta Tribe)
ME	Bangor	106.1	W291CO	XC 44-45-45/68-33-58; relays WMEH 90.9
ME	Portland	107.1	W264BG	QC from 100.7, 150w, 43-41-26/70-19-05; CL from Portland; relays WBAE 1490
ME	Sanford	97.1	W246BP	PG>250w, 43-01-38/70-52-51; relays WXEX 1540
ME	Island Falls	100.7	W230BJ	QC from 93.9, 250w, 43-35-31/71-13-11; relays WASR 1420
ME	Skowhegan	107.9	WFMX	PC>32kw/129m, 44-33-16/69-44-29
MD	Rockville	104.7	W285FA	QC from 104.9, 99w, 39-00-00/77-03-26; relays WWDC 101.1
MD	Crisfield	107.3	WBYC-LP	NW 43m, 37-58-47/75-51-30 (The Somerset Co. Arts Council)
MD	Bowie	99.1	WDCH-FM	CC from WNEW-FM
MD	Loch Lynn Heights	95.9	WKTZ-FM	PG 1.45kw/205m, 39-24-36/79-17-17
MD	Mountain Lake Pk.	104.5	WKHJ	PG 1.55kw/200m, 39-24-36/79-17-17
MA	Rockport	88.5	WWRN	PC>2.7kw/59m, 42-35-30/70-42-04
MA	Boston	103.7	W279BQ	PC<10w, 42-20-57/71-04-31; CL from Gloucester; relays WRYP 90.1
MA	Newburyport	96.3	WJOP-LP	NW 30m, 42-48-45/70-53-12 (Newburyport Community Media Center)
MA	Framingham	102.1	W271CU	QG from W266CK-101.1, 40w, 42-17-18/71-25-53; CL from Great Barrington; relays WSRO 650
MA	Lee	101.5	W268CP	QG from 103.5, 250w, 41-38-07/70-14-07; relays WBAS 1240
MA	Needham	96.5	W243DC	PC>190w, 42-14-49/71-02-56; relays WXRV 92.5
MI	Mackinaw City	88.5	WIAB	PG>50kw/239m, 45-34-07/85-02-35
MI	Paw Paw	105.5	W288DJ	QG from W269CM-101.7, 250w, 39-44-54/84-35-02; relays WEDI 1130
MI	Caro	90.5	W213CC	QG from W218CU-91.5, 5w; relays KAWZ 89.9
MN	Cloquet	96.5	WKLK-FM	PC>36kw
MN	New Ulm	104.9	K285FX	PG>250w; relays KJLY 104.5
MS	Vaiden	95.1	WZMS	NW 9.2kw/157m, 33-34-56/89-44-52 (Valleydale Broadcasting)
MS	Winona	96.3	W270AO	QC from 101.9, 250w, 32-57-03/85-59-07; relays WBNM 1050
MS	South Haven	107.9	WILU-LP	NW 28m, 34-58-52/90-00-50 (South Haven Church of Christ)
MS	Drew	95.3	WNOU	CC from WDTL
MS	Indianola	105.7	WDTL	CC from WNOU
MS	Grenada	99.3	W257DS	QG from W276BI-103.1, 115w, 32-22-04/86-15-42; relays WMGY 800
MS	Jackson	107.9	WJXC-LP	NW 30m, 32-19-56/90-09-54 (Mississippi Catholic Radio)
MS	Macon	100.9	W257BR	QC from 99.3, 250w, 30-25-45/89-01-10; relays WGCM 1240
MS	Meridian	100.5	W263CF	NW 10w, 32-19-38/88-41-28; relays WLYB 96.3
MS	South Haven	107.9	WILU-LP	NW 28m, 34-58-52/90-00-50 (South Haven Church of Christ)
MO	Canton	91.1	K216GM	QG from K270CK-101.9; relays WOLG 95.9
MO	Cape Girardeau	94.3	K232FF	NW 250w, 37-20-58/89-35-46; relays KHJM 89.1

MO	Kimberling City	95.1	KCXM-LP	NW 109m, 36-39-25/93-25-00 (Kimberling City Adventist Radio)
MO	Canton	91.1	K270CK	QC from 101.9; relays WOLG 95.9
MO	Columbia	100.9	K265FD	NW 205w, 38-57-19/92-16-20; relays KMCV 89.9
MO	Hermann	102.9	K275BU	PG<75w, 38-28-55/91-02-28; relays WMSH 90.3
MO	Saint LAs	107.1	K264CF	QG from 100.7, 37-13-25/93-14-30 rescinded ROA, remains on 100.7
MO	Kahoka	99.1	K260BJ	QC from 99.9, 250w, 43-18-28/91-27-18; relays KFXE 1160
MO	Fulton	92.5	K223CE	NW 99w/75m, 38-52-39/91-56-44; relays KMCV 89.9
MO	Fulton	103.3	K277BZ	NW 250w/31m, 38-52-12/91-56-35; relays KHJR 88.1
MO	Marshall	98.7	K254BU	NW 100w/31m, 39-07-23/93-11-48; relays KYRV 88.1
MO	St. Robert	106.5	K293BP	NW 92w/130m, 37-50-34/92-10-46; relays KMCV 89.9
MT	Billings	97.5	K248BL	XC 45-45-33/108-27-08; relays KJCR 1240
MT	Billings	106.3	K292GG	PG>75w, 45-45-49/108-27-23; relays KYWH 88.9; NW
NE	Wayne	91.9	KWSC	PG>27m, 42-14-37/97-00-34
NE	Holdrege	100.1	K261BT	PC>250w, 40-41-48/99-47-18; relays KAMI 1580
NE	North Platte	106.1	K291BW	NW 250w, 41-08-10/100-45-38; relays KZTL 93.5
NE	Seward	96.9	KZKX	PC>183m, 41-07-24/96-50-04
NE	McCook	97.5	K248CX	XG 40-12-45/100-38-56; CL from Colby, KS.; relays KBRL 1300
NV	Carson City	104.1	K281CL	NS 5w, 39-15-34/119-42-16; relays KYSA 88.3
NV	Gardnerville	93.5	K228DA	PG 75w/-231m, 38-57-35/119-50-36 CX ROA; going for 170w at new site instead
NV	Reno	93.3	KBOK-LP	NW -97m, 39-30-57/119-46-42 (Calvary Chapel of NW Reno)
NV	Carson City	93.5	K228DA	PG>170w, 39-15-26/119-42-36; CL from Gardnerville; relays KLCA 96.5
NH	Portsmouth	106.1	WSCA-LP	PC 29m, 43-06-03/70--48-46
NH	Concord	102.3	WXRG	CC from WWHK
NJ	Edison	95.1	W236CT	NS 250w, 40-31-45/74-23-33; relays WPST 94.5
NJ	Franklin Township	104.7	W284BW	PG>55w, 40-32-52/74-22-46; relays WPAT-FM 93.1
NM	Las Vegas	88.1	K201IW	QG from K296EN-107.1, 41w, 35-36-13/105-15-30; relays KENW-FM 89.5
NM	Ruidoso	104.5	K283CB	NW 28w/84m, 33-23-06/105-39-41; relays KALN 96.1
NM	Corrales	95.1	KOLZ	CC from KLQT
NM	Maljamar	105.1	KWMW	PC<233m, 32-52-49/103-41-05
NM	Tatum	107.1	KTUM	PC<233m, 32-52-49/103-41-05
NY	Flanders	94.1	W231CX	QG from W233BX-94.5, 10w, 40-51-18/72-46-11; relays WEGQ 91.7
NY	Hauppauge (sic)	96.5	W243DM	PG<10w, 40-48-55/73-10-44; relays WSUF 89.9
NY	Middletown	96.7	W244DK	QG from W260CI-99.9, 250w, 41-22-42/74-08-16; relays WLJP 89.3
NY	Rochester	100.9	WXIR-LP	NW 65m, 43-10-00/77-36-50 (Rochester Community TV)
NY	Clyde	105.1	WCIS-FM	CC from WCOV-FM
NY	Dannemora	107.1	WBKM	CC from WNMR
NY	Friendship	89.1	WCOV-FM	CC from WCID
NY	Lancaster	90.7	WLGU	PG>56m
NY	New York	102.7	WNEW-FM	CC from WWFS
NY	Plattsburgh WV	100.7	WIRY-FM	CC from WPLB
NY	Baldwinsville	100.1	W261DA	QG from W207BH-89.3, 1w, 43-10-05/76-20-20; relays WCIS-FM 93.7
NY	Cooperstown	105.9	W290CI	XG 42-40-42/74-54-00; relays WSQC-FM 91.7
NY	Corning	93.7	W229AS	PG<14w, 42-08-31/77-04-40; relays WLTV 94.3
NY	Corning	102.5	W273AC	PG<14w, 42-08-31/77-04-40; relays WOKN 99.5
NY	Fairmount	98.3	W252AC	XG 42-58-01/76-12-00; relays WOLF-FM 105.1
NY	Middletown	96.7	W244DK	PC>250w, 41-22-42/74-08-16; relays WLJP 89.3
NY	Poughkeepsie	93.9	W230CM	QG from W259BV-99.7, 250w, 41-50-28/73-59-25; relays WPDH 101.5
NY	Waverly	93.7	W229AR	PG>99w; relays WLTV 94.3
NY	Westfield	98.3	W252CG	PG>99w, 42-20-05/79-35-00; relays WCOT 90.9
NY	Elmira	107.1	W296DB	QG from W228AT-93.5, 250w, 42-02-098/78-26-47; relays WHDL 1450
NY	Beacon	106.1	W291CQ	XG 41-29-20/73-56-53; CL from Monroe CX ROA; going to a different site @ Tuxedo, N.Y.
NY	Cooperstown	105.9	W290CI	NW 10w, 42-40-42/74-54-00; relays WSQC-FM 91.7
NY	Remsen	106.1	W291CT	QG from 106.5, 3w, 43-19-23/75-12-08; relays WNGG 90.9
NY	Syracuse	103.5	W278AH	XC 42-58-01/76-12-00; relays WZXV 99.7
NY	Tupper Lake	105.3	W287CS	PG<247w
NC	Charlotte	100.3	W262BM	PC>250w, 35-11-56/80-52-36; relays WHQC 96.1
NC	Goldsboro	98.3	W252CL	QG from 98.5, 35-22-27/78-00-43; relays WGBR 1150

NC	Rocky Mount	97.9	W250AZ	PC<210w, 35-54-44/78-09-45; relays WCPE 89.7
NC	Rocky Mount	106.7	WDBP-LP	NW 22m, 35-55-08/77-49-57 (NC Humane Society State Council)
NC	Bethania	96.3	W242CC	XG 36-04-26/80-15-18; relays WEGO 980
NC	Henderson	105.7	W289BX	PG<13w, 36-20-30/78-22-15; relays WKVK 106.7
NC	Lexington	95.9	W240CU	PC>140w, 35-55-02/80-17-38; relays WEND
NC	Monroe	99.1	WDZD-LP	NW 44m, 34-58-58/80-32-13 (Shaggers)
NC	Henderson	105.7	W289BX	PG>55w, 36-20-53/78-23-05; relays WKVK 106.7
NC	Wilkesboro	100.1	W261CG	NW 250w, 36-10-29/81-08-54; relays WWWC 1240
NC	Franklin	104.1	WNCC	QC from 96.7, 115w/681m, 35-19-38/83-20-09
NC	Concord	98.3	W252DI	QG from W255BD-98.9, 35-23-51/80-36-25; CL from Darlington, S.C.; relays WTIK 1410
NC	Dunn	97.7	W249DE	QG from W263CC-100.5, 250w, 35-17-00/78-35-49; CL from Danville, Va.; relays WCKB 780
NC	Henderson	105.7	W289BX	NW 55w, 36-20-53/78-23-05; relays WKVK 106.7
NC	Greensboro	101.7	WDFC-LP	PC 84m
ND	Bismarck	106.7	KJIT-LP	XG 46-49-38/100-46-28
OH	Ashtabula	98.3	WYBL	PC 4.7kw/110m, 41-51-14/80-41-21
OH	Lorain	93.7	WSAV-LP	NW 46m, 41-25-29/82-08-58 (Shiloh Missionary Baptist Church)
OH	Bucyrus	107.5	W298CC	QG from W222CC-92.3, 40-45-490/82-56-00; relays WBCO 1540
OK	Taft	100.3	KCXR	PG>4kw
OK	Lawton	106.5	K293BO	XG 34-34-24/98-28-40; relays KQCV-FM 95.1
OK	Tulsa	94.9	K235BK	PC>250w, 36-04-25/95-54-10; relays KIOP 88.3
OK	Purcell	93.9	KQTR-LP	PC 45m, 35-00-42/97-21-44
OK	Lawton	106.5	K293BO	NW 250w, 34-34-24/98-28-40; relays KQCV-FM 95.1
OK	Chickasha	95.3	K237GE	NW 99w, 34-59-06/98-00-53; relays KZTH 88.5
OK	McAlester	100.3	K262CS	QG from 100.9, 34-50-10/95-32-43; relays KPOP 94.3
OK	Sallisaw	105.9	K290BU	XG 35-24-26/94-41-25; CL form Booneville, Ark.; relays KFSA 950
	Whitchurch-			
ON	Stouffville	102.9	CIWS-FM	QG from 102.7
OR	Sisters	94.9	KZSO-LP	CX ROA
OR	Astoria	106.3	K292GZ	QG from K246BV-97.1, 250w, 46-10-56/123-48-10; CL from Wenatchee, WA.; relays KVAS 1230
OR	Voorhies	102.3	K272FC	XG 42-17-54/122-44-59; relays KSOR 90.1
OR	Prineville	106.1	K237FE	QC from 95.3, 250w, 44-04-38/121-19-49; relays KNLR 97.5
OR	Cave Junction	92.5	K223CS	QG from K203CI-88.5; relays KLMD 92.9
OR	Sisters	89.3	KVRA	PG>5kw/176m
OR	Bend	90.5	KVLB	PG>5kw/176m
OR	Williams	99.7	K259AE	PC>250w, 42-22-56/123-16-29; CL from Wolf Creek; relays KAJO 1270
OR	Portland	90.3	KFFP-LP	NW 10m, 45-33-33/122-39-06 (Radio 23)
PA	Hummels Wharf	93.7	W229BY	PG>13w, 40-50-30/76-53-57; relays WEVW 90.9
PA	Mansfield	97.9	W250BI	XC 41-48-56/77-05-34; relays WMTT 94.7
PA	Pittsburgh	96.5	W243BW	PG>250w, 40-28-58/79-59-31; CL from Amherst, N.Y.; relays WPIT 730
PA	Wilkesburg	107.3	W297BU	QG from W283CB-104.5, 250w, 40-24-47/79-51-14; relays WAMO 660
PA	Dickson City	97.5	W248BP	NW 70w/309m, 41-26-09/75-43-39; relays WVIA-FM 89.9
PA	Easton	106.7	W294BQ	XG 40-40-23/75-12-30; relays WDVR 89.7
PA	Dushore	103.9	WDYS	CC from WNKZ
PA	Laporte	90.9	WCID	CC from WCOV-FM
PA	Ridgebury	96.9	WVYS	CC from WZKN
PA	Butler	88.7	W257DK	QC from 99.3, 13w, 40-52-28/79-54-11; relays WCOH-FM 107.3
PA	Carbondale	103.5	W278CF	QG from W283AO-104.5, 60w, 41-26-06/75-43-35; relays WICK 1400
PA	Gettysburg	102.3	W272CX	PG<45w, 39-49-53/77-13-32; relays WZXQ 88.3
PA	Du Bois	104.5	W283BU	PG<10w, 41-08-41/78-52-41; relays WDSN 106.5
PA	Gettysburg	102.3	W272CX	NW 45w, 39-49-53/77-13-32; relays WZXQ 88.3
PA	Scranton	104.5	W283BE	PC>72w-H/246w-V, 41-26-09/75-43-39; relays WZMF 730
PR	Aguada	94.5	WVOY-LP	PC 42m, 18-21-19/67-11-33
QC	Wendake	100.3	CIHW-FM	XG 46-51-23/71-21-03; PG<22m
SC	Beaufort	99.1	W256CB	PG>250w, 32-23-37/80-44-52; relays WVSC 103.1
SC	Beaufort	98.7	WYKZ	AF 12kw/61m, 32-05-24/81-08-47; NS
SC	Aiken	104.9	W285FJ	QG from 105.1, 92w, 33-33-05/81-41-51; relays WKSP 96.3
SC	Branchville	96.3	W242CR	PG<140w; relays WGCV 620

SC	Aiken	104.9	W285FJ	NW 92w, 33-33-05/81-41-51; relays WKSP 96.3
SC	Florence	96.3	W242CB	NW 170w/144m, 34-12-12/79-51-52; relays WSIM 93.7
SC	Florence	107.5	W298BI	NW 170w/144m, 34-12-12/79-51-52; relays WSIM 93.7
SC	Spartanburg	96.7	WSEJ-LP	QG from 98.5
SD	Mitchell	89.7	K220HB	QC from 91.9; relays KLOV 89.3
SD	Rapid City	99.9	K260BT	PG<10w, 44-04-13/103-15-01; relays KASD 90.3
SD	Rapid City	99.9	K260BT	NW 10w, 44-04-13/103-15-01
TN	Lenoir City	105.5	W296CE	QC from 107.1, 250w, 35-06-43/84-00-29; relays WKRK 1320
TN	Lawrenceburg	106.7	WTNX	CC from WKSJ-FM
TN	Knoxville	101.5	W268BP	PC<5w, 35-57-58/84-04-06; relays WKGN 1340
TN	Sevierville	98.3	W252DD	NW 27w, 35-48-52/83-40-02; relays WKCE 1120
TN	Clarksburg	99.9	W260BA	PC>250w, 35-50-41/88-54-08; relays WJJP 1190
TN	Memphis	106.7	W294BP	PG<13w, 35-08-45/89-48-48; relays WKVF 94.9
TN	Nashville	97.5	W248BQ	PG<43w, 36-15-50/86-47-39; CL from Berry Hill; relays WNRQ 105.9
TN	Sevierville	97.1	W246DH	QG from W252DD-98.3; relays WKCE 1120
TX	Tyler	91.3	KGLY	PC>155m, 32-17-33/95-12-02
TX	Amarillo	92.3	K222CL	NW 99w, 35-13-25/101-50-21; relays KPQP 106.1
TX	Clarksville	106.3	K292GA	XG 33-07-44/95-55-29; relays KGPJ 91.1
TX	Midland	98.7	K254CP	QG from 99.9, 250w, 31-58-03/102-07-06; CL from Roswell, N.Mex.; relays KOZA 1230
TX	Leon Springs	97.9	KCJV-LP	NW 76m, 29-39-32/98-38-28 (Hispanic Heritage Radio Network)
TX	Quinlan	95.5	KTTR-LP	CX
TX	Comstock	99.3	KXQK	PG>9.8kw/150m, 29-41-32/101-11-00
TX	Gonzales	88.1	KCTI-FM	CC from KITG
TX	Tatum	91.5	KHJA	CX ROA
TX	Cleburne	98.3	K252EB	PC>190w, 32-23-26/97-24-03; relays KPMA-FM 91.9
TX	Henderson	98.5	K280FH	QC from 103.9, 250w, 32-07-36/94-47-57; relays KWRD 1470
TX	Luckenbach	106.9	K256BX	QC from 99.1; relays KTSN 88.9
TX	San Antonio	99.9	K260CC	PG>250w, 29-25-13/98-30-22; relays KEDA 1540
TX	Victoria	102.1	K271CL	QG from W290BC-105.9; relays KVRT 90.7
TX	Lubbock	102.1	K271BW	PG<10w; relays KGNZ 88.1
TX	Waxahachie	96.7	K244FC	PG<99w, 32-35-02/96-57-48; relays WRR 101.1
TX	Smiley	90.3	KSXT	PC>13kw/45m, 29-17-11/97-40-52
TX	Del Rio	89.3	KTPD	NW 25kw/83m, 29-24-21/100-39-41 (TXs Public Radio)
TX	George WV	93.5	KGWT	PG 25kw/62m, 28-17-03/98-13-01
TX	Austin	103.9	K280GN	QG from 107.5, 170-w, 30-19-10/97-48-06; relays KFIT 1060
TX	Canadian	102.9	K275CM	QG from K278CH-103.5; relays KSNZ 92.9
TX	Odessa	104.3	K282BF	NW 250w/62m, 31-51-41/102-19-42; relays KWXW 93.7
TX	Temple	101.3	K267CA	NW 225w, 31-05-38/97-34-51; relays KVLT 88.5
TX	Tyler	95.7	K239CB	XC 32-22-30/95-16-10; relays KYZS 1490
UT	North Salt Lake	93.7	K229CJ	PG>70w, 40-50-30/111-58-02; CL from Tooele; relays KSVN 730
UT	Orem	91.7	KOHS	PG 1kw/-238m, 40-18-00/111-38-38
UT	American Fork	105.1	KUDD	CC from KAUU
UT	Mount Pleasant	93.7	KKUT	CC from KUTC
UT	Randolph	107.9	KUMT	CC from KUDD
UT	Ivins	100.7	K264BM	NW 10w/1008m, 37-09-19/113-52-57; relays KBYU-FM 89.1
UT	Provo	91.3	K217CL	PG>250w, 40-18-01/111-38-29; relays KEYY 1450
UT	Shivwits	99.5	K258CX	QG from K281CE-104.1; relays KONY 99.9
UT	St. George	97.1	K246CN	QG from K231BP-94.1, 250w; relays KPLD 105.1
UT	Glendale	89.9	KFDJ	QG from 90.5, 40kw/545m, 37-17-45/112-50-34 CX ROA. Has refiled for 30kw.
UT	Heber City	91.9	K220AY	XG 40-31-38/111-23-59; relays KPCW 91.9
VT	Rutland	90.9	WFTF	PC>60w/680m, 43-38-22/72-50-12
VA	Alexandria	97.5	W248BN	NW 250w/201m, 38-57-50/77-06-18; relays WTNT 730
VA	Martinsville	95.3	W237DR	PC>50w; relays WCBX 900
VA	Marion	94.7	W234CT	QG from W233CD-94.5; relays WVTR 91.9
VA	Wytheville	101.9	W270BO	PC>97w; relays WVTR 91.9
VA	White Stone	103.9	WWND-LP	NW 29m, 37-37-56/76-24-27 (White Stone Radio)
VA	Berryville	105.7	W289CE	NW 250w, 37-43-02/75-41-00; relays WESR 1330

VA	Richmond	104.3	W282CA	PG<77w; relays WKLR 96.5
VA	Roanoke	89.5	W208BX	QG from W209AG-89.7, 250w, 37-13-56/80-02-46; relays WVTF 89.1
VA	Winchester	92.9	W225CN	QG from W227BM-93.3, 25w, 38-51-18/77-22-28; relays WTNT 730
VA	Richmond	104.3	W282CA	NW 77w, 37-36-52/77-30-56; relays WKLR 96.5
WA	Ariel	97.5	K248CN	NW 5w, 46-00-59/122-46-28; relays KSWs 88.9
WA	Fall City	107.3	KWJZ-LP	QG from 104.5, 18m, 47-43-37/121-57-10
WA	Pasco	92.9	KHWK-LP	CX ROA
WA	Seattle	98.9	KVRQ	CC from KLCK-FM
WA	Spokane	100.7	K262AG	QC from 100.3, 37w, 47-35-41/117-17-53; relays KXLY-FM 99.9
WA	Chelan	92.9	K225CJ	PG>250w; relays KGDC 1320
WA	Clarkston	93.5	K228DU	PG>16w; relays KJCF 89.3
WA	Spokane	103.9	KBBB	PC 34kw/455m, 47-35-58/117-17-57
WA	Longview	105.5	KUKN	PG>700w/256m, 46-09-47/122-51-13
WA	Pasco	100.1	KQFO	PG>8kw
WA	Chelan	92.9	K225CJ	PG>250w; relays KGDC 1320
WV	Point Pleasant	94.1	W290BC	QC from 105.9, 170w; relays WBGS 1030
WV	Sutton	97.1	WDBS	PG<226m, 38-27-09/80-27-15
WV	Webster Springs	100.3	WAFD	PG 25kw/213m, 38-27-09/80-27-15
WV	Saint Albans	106.9	WAXE-LP	NW 137m, 38-24-14/81-53-50 (Coal Mountain Broadcasting)
WI	Hudson (sic)	103.7	W279DD	QG from K237FO-95.3, 44-58-05/92-40-01; CL from Blue Earth, MN.; relays WDGy 740
WI	Columbus	88.1	WQWA-LP	reinstated; 27m, 43-21-50/89-03-42 (Wisconsin Academy)
WI	Wisconsin Dells	106.9	WNNO-FM	XG 43-38-17/89-43-17
WI	La Crosse	92.3	K222AG	PG>250w, 43-45-27/91-17-20; relays WIZM 1410
WI	Marshfield	93.7	W232AR	QC from 94.3, 50w; relays WWIB 103.7
WI	Eau Claire	106.3	W292EG	PG<34w, 44-54-59/91-41-55; relays WQRB 95.1
WI	La Crosse	92.3	K222AG	PC>250w, 43-45-27/91-17-20; relays WIZM 1410
WI	Madison	107.9	W300BM	PC>250w; relays WHA 970
WI	Appleton	100.7	W264CN	NW 13w, 44-17-18/88-20-56; relays KAWZ 89.9
WI	Appleton	106.1	W291CM	NW 13w, 44-17-18/88-20-56; relays WPF 90.5
WI	Eau Claire	106.3	W292EG	NW 34w, 44-54-59/91-41-55; relays WQRB 95.1
WI	Oshkosh	98.7	W254CS	QG from W247AZ-97.3, 210w, 44-01-40/88-37-39; CL from Berlin; relays WISS 1100
WI	Sheboygan	101.5	W268BR	NW 250w, 43-43-14/87-44-01; relays WHBL 1330
WY	Laramie	101.5	K267BU	QC from 101.3, 5w, 40-37-00/105-19-36; relays KKWY 88.7
WY	Cheyenne	100.7	KOLT-FM	CC from KOLZ
WY	Warren AFB	92.9	KYWY	CC from KOLT-FM
WY	Casper	96.3	K242CI	PG<10w, 42-44-27/106-18-22; relays KLWC 89.1
WY	Big Piney	103.9	K280GK	QG from 93.1, 44-47-54/106-55-51; relays KROE 930
WY	Casper	96.3	K242CI	NW 10w, 42-44-27/106-18-22; relays KLWC 89.1
WY	Alpine	93.9	K230BG	NW 99w/712m, 43-06-18/111-07-19; relays KJAX 93.5
WY	Alpine	94.7	K234CB	NW 35w/712m, 43-06-18/111-07-19; relays KZJH 95.3
WY	Casper	96.3	K242CI	NW 10w, 42-44-27/106-18-22; relays KLWC 89.1
WY	Laramie	103.5	K278CM	QG from K280BM-103.9, 250w, 41-18-36/105-27-17; relays KUWR 91.9



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.

ryan@wtfda.org



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
42 Holly Park Drive
Tabernacle, NJ 08088
E-mail: nickl@wtfda.org

The Editor's Note

Welcome to E-skip season 2016. Usually in the report for May, we're discussing past data points to get an estimation of when we can expect the first meaningful Es opening of the season – but on the 28th of April, an Es cloud set up shop in the vicinity of Central KY and TN, bringing a MUF well into the FM band for over an hour across the east. April Es is rare, but not unprecedented – 4/27/11 also brought a strong opening east of the Mississippi (which coincided with a devastating tornado outbreak across the south).

What does it mean? Are we in for a blockbuster? It's hard to say with any certainty, but the 2011 season turned out pretty well as a comparison (2011 had the most Es 'minutes' of any year tracked by veteran DXer Pat WA5IYX in TX, who has been collecting data since 1972). We will cross our fingers and also will be on the lookout for any tropo, which has been very quiet across the entire continent to begin the spring.

Ryan Grabow
Fort Myers, FL

This report has been generated by my Interactive Logbook, always up to date at egrabow.com/dx.

Equipment: Insignia NS-DXA1 Tuner, Philips PT902 TV, Hauppauge HVR-850 USB Tuner, CM 4220HD and 4228HD antennas.

Underlined stations and states are new. Times are eastern, distances in miles/kilometers. Stations under 250 km omitted unless new or rare.

11/11 Tr

0000 WEAR-17 Pensacola, FL 448/721
0050 WCJB-16 Gainesville, FL 207/333
0100 WTTO-28 Homewood, AL 562/904
0230 WMPV-20 Mobile, AL 446/718
0230 WKRG-27 Mobile, AL 460/740

03/02 Tr

0015 WCJB-16 Gainesville, FL 207/333
0015 WGFL-28 High Springs, FL 216/347
0015 WUFT-36 Gainesville, FL 220/354
0100 WOPX-48 Orlando, FL 115/185
0240 WVEN-49 Daytona Beach, FL 166/267
0310 WJXT-42 Jacksonville, FL 257/413
0335 WEFS-30 Cocoa, FL 150/241

My "interactive logbook" went online in February and I've been itching to use it for my TV and FM VUD reports, but as you can see I've had few catches to work with so far this season.

There was certainly a strong start in November when I logged WTTO, my first Birmingham area station and second-farthest DTV yet, but I wouldn't get another notable night until March. At last, however, I've logged a TV station in Jacksonville. It's long been a mystery to me why I've never seen a trace of that market's stations, analog or digital, even when Orlando's DTVs and Jax's own FMs are blasting in. Does Florida have a mountain range I'm not aware of? LOL

An extremely strong bout of Gulf tropo was predicted by Bill Helpburn's maps on March 14-16. I had fun hyping it up for the benefit of my fellow Gulf coast DXers but its effects were strangely absent here, like I was in a doughnut hole within it. I'm starting to wonder if I should move to *northern* Florida. Well, I'm moving soon anyway... but within the Fort Myers area. The new place shouldn't have the DXing handicaps my apartment did. 73s

FCC To Auction Off 126 MHz Of Spectrum

Written by Mark K. Miller for *TVNewsCheck* [April 29, 2016]

Source: <http://www.tvnewscheck.com/article/94379/fcc-to-auction-off-126-mhz-of-spectrum>



The FCC said today that it has received “binding commitments from broadcasters” to reach its highest clearing target of 126 MHz of spectrum that it wants to acquire in its incentive auction.

Bidding begins May 31 and the weeks leading up to it will be devoted to providing bidding process information and mock auctions to let qualified bidders become familiar with the system and ask questions.

The commission said it will be sending confidential letters today to broadcasters “to inform each applicant that was permitted to make an initial commitment in the reverse auction of its status.”

The letter will notify the applicant for each station included in the application either that (1) the station is qualified to participate in the clock phase of the reverse auction; (2) the station is not qualified because no initial commitment was made for that station; (3) the station is not qualified because the commitment(s) made by the applicant for that station could not be accommodated; or (4) the station is not qualified because the FCC’s Auction System determined that the station is not needed to meet the initial or any subsequent clearing target.

FCC Chairman Tom Wheeler said of today’s announcement that “robust broadcaster participation is key to the success of the incentive auction. Today’s announcement reflects the voluntary decision by many broadcasters that this auction truly is a once-in-a-lifetime opportunity. The 126 MHz initial clearing target ensures that wireless carriers and other forward auction bidders have their chance to compete for the maximum amount of low-band ‘beachfront’ spectrum. The wireless industry has said it needs additional spectrum to meet growing customer demand and usher in the age of 5G. The broadcasters have stepped up and done their part to fulfill that demand.”

Under the band plan associated with the 126 MHz, 100 MHz, or 10 paired blocks, of licensed spectrum will be offered in the forward auction on a near-nationwide basis.

In addition to receiving the maximum amount of spectrum it was seeking for the auction, a senior FCC official said that “it was important to note that of the blocks made available for the forward auction, 99% will have no impairments at all, meaning there will be no interference from broadcasters assigned to channels in the wireless band.”

Reacting to the news was Wells Fargo analyst Marci Ryvicker, who said: “On the positive side, the highest possible clearing target suggests that there was *significant* broadcast participation — not a surprise given broadcast commentary prior to the Jan. 12 quiet period. However, given that we still are not certain of how much demand there will be on the forward side, there is a high probability that this 126 MHz clearing target is not met in the first stage of the auction. At this point, we would not be surprised for the auction to go well into Q4 — the reverse auction is starting about a month later than originally anticipated, and with such a high clearing target, we could be looking at multiple stages lasting anywhere from 4 months (the first stage) to 2 months (subsequent stages).

“At least we are starting to get some certainty here — we are not likely to get much more information until the forward auction begins, which we estimate to be sometime in July. We again remind you that we have no potential auction proceeds in any of our broadcast valuation ranges — but we would highlight Sinclair, Media General, NBC, and Tribune Media as being best positioned for this auction,” she added.

NAB President-CEO Gordon Smith released the following statement following the FCC's announcement: "Broadcasters are excited that the TV auction process is moving forward and that the FCC is being aggressive in its auction estimates. Now the onus is on the wireless industry to demonstrate there is significant demand for 600 MHz spectrum. We look forward to the conclusion of a successful auction that preserves and sustains America's vibrant free and local television business that is the envy of the world."

Following is the commission's timeline of educational and informational materials for reverse auction applicants that are qualified to bid in the reverse auction clock phase leading up to the May 31 auction launch:

FCC Incentive Auction Reverse Auction Bidding System User Guide — "We will make available an "FCC Incentive Auction Reverse Auction Bidding System User Guide," which will describe the features of the Auction System that will be used to bid in the clock phase of the reverse auction. This user guide will be emailed to each authorized bidder on May 5, 2016. It will also be made available on the Commission's Auction 1001 web page through a link in the 'Education' section on May 5, 2016. Once posted, the user guide will remain available and accessible on the Auction 1001 web page for reference."

Online Bidding Tutorial. "An online tutorial regarding bidding in the clock phase of the reverse auction will be available on May 18, 2016. The online tutorial will be accessible from the Auction 1001 web page through a link in the "Education" section. Once posted, the tutorial will remain available and accessible on the Auction 1001 web page for reference."

Bidding Preview Period. "The Auction System will be available during a preview period that will open at 10:00 a.m. ET on May 23, 2016, and close at 6:00 p.m. ET on May 24, 2016. During this preview period, authorized bidders can log in and view the list of stations for which they may make bids in the clock phase, each station's bidding status, the initial relinquishment option assigned to the station, and, where applicable, available bid options with associated vacancy ranges and next round clock price offers."

Clock Phase Workshop. "On May 24, 2016, from 10:00 a.m. ET to 1:00 p.m. ET, the Task Force, in conjunction with the Media and Wireless Telecommunications Bureaus (the Bureaus), will host a public workshop on the bidding system that will be used for bidding in the clock phase of Auction 1001. Details about the workshop and remote viewing will be released at a later date. After the event, a recording of the clock phase workshop will be accessible from the Auction 1001 web page through a link in the 'Education' section. Once posted, the clock phase workshop will remain available and accessible on the Auction 1001 web page for reference."

Mock Auction and Mock Auction Preview Period

"The Task Force and Bureaus will conduct one mock auction for all bidders qualified to bid in the clock phase of Auction 1001 beginning on May 25, 2016, and ending on May 26, 2016. The schedule of rounds for the mock auction is as follows:

May 25:	Mock Bidding Round 1	10 a.m.–noon ET
	Mock Bidding Round 2	3–5 p.m. ET
May 26:	Mock Bidding Round 3	10–11 a.m. ET
	Mock Bidding Round 4	1–2 p.m. ET
	Mock Bidding Round 5	4–5 p.m. ET

Clocks Rounds Start Date and Round Schedule

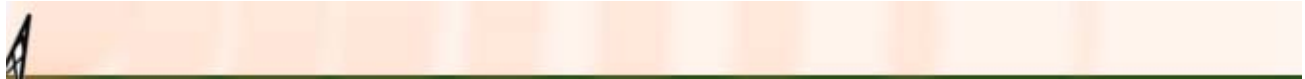
Bidding in the clock phase of Auction 1001 will begin on May 31, 2016, on the following schedule:

May 31:	Bidding Round	10 a.m.–4 p.m. ET
June 1:	Bidding Round	10a.m.–2 p.m. ET

Starting on June 2, 2016, and continuing until further notice, the schedule will be:

	Bidding Round	10:00 a.m.–Noon ET
	Bidding Round	3–5 p.m. ET

Read the FCC's Public Notice [here](#).



CBS to Make North Carolina Affiliate Change

Written by Daniel Halloway for *Variety* [March 30, 2016]

Source: <http://variety.com/2016/tv/news/cbs-to-make-north-carolina-change-1201742103/>

CBS will switch its affiliation in [Wilmington](#), N.C. to Morris Network-owned WWAY, the broadcaster announced Wednesday.

The change is part of a broader agreement that extends the network's affiliation with Morris-owned stations in Chattanooga, Tenn. and Columbus, Miss. CBS will end its affiliation in Wilmington with Capitol Broadcasting's low-power station WILM.

The network will begin broadcasting on a subchannel of high-power WWAY Jan. 1. The core channel will remain the **ABC** affiliate in the Wilmington market. In 2013, WWAY launched a digital subchannel affiliated with the CW, which is co-owned by CBS with Time Warner.

"Adding a powerhouse network like CBS to our lineup of networks in Wilmington is a huge win for the station, but more importantly for our viewers," said Charles Morris, president and CEO, Morris Network, Inc. "Expanding our distribution with the #1 network offers us high-quality primetime programming, a strong sports lineup and an aggressive over-the-top partnership with CBS All Access. We look forward to using the combined strength of our resources to expand local news and information to the Wilmington region."

"The change in affiliation in Wilmington is a great deal for Morris Network and for CBS," said Ray Hopkins, president of network distribution for CBS Corporation. "We are pleased that they recognize the value that being a CBS affiliate brings to their business, and we look forward to serving the viewers we share for years to come."

LG develops world's first UHD TV chip

Written by Lee Ji-yoon for *The Korea Herald* [April 10, 2016]

Source: <http://www.koreaherald.com/view.php?ud=20160410000243>

LG Electronics said Sunday it has developed the world's first TV reception chip that allows streaming ultrahigh-definition content without a separate set-top box.

The breakthrough comes as global broadcasters are bracing for the next-generation digital-based UHD terrestrial broadcasting that offers diverse additional services as well as boasting better picture quality.

The Korean government plans to start the broadcasting from February next year.

LG is a leading player in ROUTE, or real-time object delivery over unidirectional transport, that improves efficiency in the use of frequencies and allows broadcasters to offer more diverse services along with their programming.



The world's first UHD TV chip by LG Electronics

The technology is also considered a key to the advanced television system committee 3.0, the next-generation broadcasting standards that are likely to be adopted by Korea and the U.S.

When the ATSC 3.0 is commercialized, the LG chip will allow viewers to use new services such as emergency alert system and TV program schedule even though their TVs are not connected to the Internet.

The chip is also expected to help enhance high-resolution mobile broadcasting, the company said.

LG plans to debut its TVs equipped with the new chip during the National Association Broadcasters Show in Las Vegas from April 16-21.



UPCOMING METEOR SHOWERS

DATA FROM THE
AMERICAN METEOR SOCIETY
amsmeteors.org



Shower	Activity Period	Maximum		Radiant		Velocity km/s	r	Max. ZHR	Time	Moon
		Date	S. L.	R.A.	Dec.					
Eta Aquariids (ETA)	Apr 24-May 19	May 07	046.8°	22:36	-00.5°	66.5	2.4	40	0400	01
Delta Aquariids (SDA)	Jul 21-Aug 23	Jul 28	128.0°	22:42	-16.4°	42.0	3.2	16	0300	23
Perseids (PER)	Jul 13-Aug 26	Aug 12	140.0°	03:12	+57.6°	60.5	2.2	100	0400	09

SDRplay announces acquisition of Studio 1 SDR software

Written by Thomas for *The SWling Post* [April 27, 2016]

Source: <http://swling.com/blog/2016/04/sdrplay-announces-acquisition-of-studio-1-sdr-software/>



SDRplay Limited has today announced that it has reached an agreement with Sandro Sfregola, (formerly CEO of SDR Applications S.a.s.) to acquire all Rights, Title and Interest in Studio 1 a leading software package for Software Defined Radio applications.



Jon Hudson, SDRplay Marketing Director said: “We are delighted to have reached this agreement with Sandro to acquire Studio 1. Studio 1 is the perfect complement to our SDR hardware products and gives us the ideal platform to deliver a complete class leading SDR solution for our customers. We look forward to working with Sandro and further developing Studio 1 to unlock the full capability of our current and future products”.

Hudson added: “Studio1 has established a strong customer base with users of many other SDR hardware products. Studio 1 will continue to be available as a stand-alone product from WoodBoxRadio <http://www.woodboxradio.com/studio1.html> for the foreseeable future , but we also look forward to further developing Studio 1 to specifically benefit present and future owners of our products”

Sandro Sfregola added: “I am very pleased to have reached this agreement with SDRplay. The long term future for SDR lies in complete end to end solutions and I feel the SDRplay RSP combined with Studio 1 software gives users an outstanding combination of performance and affordability”.

About Studio 1:

Studio1 was developed in Italy by SDR Applications S.a.s. and has hundreds of happy customers around the world.

Studio 1 is known for its user friendly stylish GUI, CPU efficiency and advanced DSP capabilities, including features not available on other SDR software packages.

www.sdrapplications.it

About SDRplay:

SDRplay limited is a UK company and consists of a small group of engineers with strong connections to the UK Wireless semiconductor industry. SDRplay announced its first product, the RSP1 in August 2014

www.sdrplay.com Email: admin@sdrplay.com

My Comments:

Of course, I believe this is a very good move for SDRplay. Studio 1 is a very well-respected application and, though I've never tested it myself, I'm very impressed with it's interface. I've also received many positive comments about Studio 1 from Perseus owners.

This will give SDRplay a great platform to have native SDR applications for their current and future products. I'm sure they'll continue to support and develop Studio 1 for all of its supported receivers:

- The Elad FDM-S1, FDM-S2
- Microtelecom Perseus
- PMSDR
- RFspace SDR-IQ, SDR-14
- SRL QS1R
- Funcube Dongle

[Click here to download the Studio 1 brochure \(PDF\) for more details.](#)

SIGN UP & Renewal Form

YEARLY DUES \$10.00 USD for Monthly VUD E-ZINE

Print this form and send it with your dues.

Name _____

Address _____ Apt # _____

City _____ State/Prov _____ Zip _____

Country _____ Interests: TV () FM () 30-50 () Weather ()

E-Mail Address _____

Sign me up/renew me for: 1 year () 2 years () More () _____

Mail your yearly dues to: WTFDA, P.O. Box 501, Somersville, CT USA 06072
Make your checks/money orders payable to: WTFDA
And *thanks* for your support of the WTFDA!

WTFDA BOARD OF DIRECTORS

Mike Bugaj, use the WTFDA Mailing address listed above
Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098
Greg Coniglio, 11825 Genesee St., Alden, NY 14004
Keith McGinnis, 18 Newbridge St., Hingham, MA 02043

mikeb@wtfda.org
dougs@wtfda.org
gregc@wtfda.org
nfmdx@wtfda.org

RENEWALS BY PAYPAL: SEND YOUR DUES FROM THE PAYPAL WEBSITE TO SALES@WTFDA.ORG

TV and FM STATISTICS

Fred Nordquist, 147 Travis Hill Road, Moncks Corner, SC
stats@wtfda.org

WTFDA.ORG WEBSITE

Tim McVey, webmaster
webmaster@wtfda.org

VHF-UHF DIGEST

Ryan Grabow, 7351 Pinnacle Pines Dr #B21, Fort Myers, FL 33907
ryang@wtfda.org

WTFDA FORUMS WEBSITE

Chris Cerventez, webmaster
chriscerventez@gmail.com

To join, send an e-mail to

EMAIL REFLECTORS

TV and FM: WTFDA+subscribe@googlegroups.com **AM:** mwdx+subscribe@googlegroups.com

WTFDA WEBSITE

<http://www.wtfda.org>

- News and Links
- VUDs from 70s thru 2000
- Memorabilia

WTFDA FORUMS

<http://forums.wtfda.org>

- Join in the conversation with fellow members!
- Get help with unIDs

FM DATABASE

<http://db.wtfda.org>

Database of US, Canadian and Mexican FM Stations. Sortable, searchable and up to date!



Like us on Facebook: [TV & FM DXing](#)

