



Screenshot Courtesy of Mike Bugaj (CT)

SO... PEAK OF E-SKIP SEASON...

SO HOW'S YOUR TROPO?

The Official Publication of the Worldwide TV-FM DX Association



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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.



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

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P.O. Box 501 Somersville, CT 06072

Mike Bugaj - Enfield, CT mikeb@wtfda.org



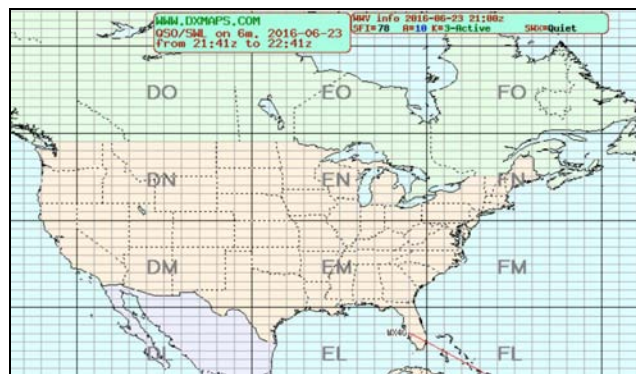
JULY 2016

Dues Received

DATE	NAME	S/P	EXP
5/16/2016	Larrt Kenney	CA	5-18
5/20/2016	Gordon Cooper	WA	6-17
5/21/2016	Owen P Wood	PA	5-17
5/21/2016	Sheryl Paskiewicz	WI	5-17
5/25/2016	Craig Cook	FL	6-17
5/25/2016	Jerry Bond	NY	5-17
5/25/2016	Rod O'Connor	ME	5-18
5/31/2016	James Montgomery	IN	5-17
5/31/2016	Les Rayburn	AL	5-20
6/7/2016	Dan Oetting	MD	6-17
6/8/2016	Dan Oglethorpe	LA	5-17
6/11/2016	David Austin	SC	6-17
6/15/2016	Michael Lazaro	NY	6-17
6/16/2016	John Marx	WI	6-17
6/16/2016	Michael Temme-Soifer	NJ	5-17
6/16/2016	Dave Bright	FL	6-17
6/17/2016	Eric Bueneman	MO	5-20
6/17/2016	Herbert W. Raemsch	PA	7-17
6/17/2016	Steve Naetzker	AZ	7-17

Dan Oetting and Herbert W. Raemsch. In a past life Dan was a WTFDA member and we welcome him back to the club.

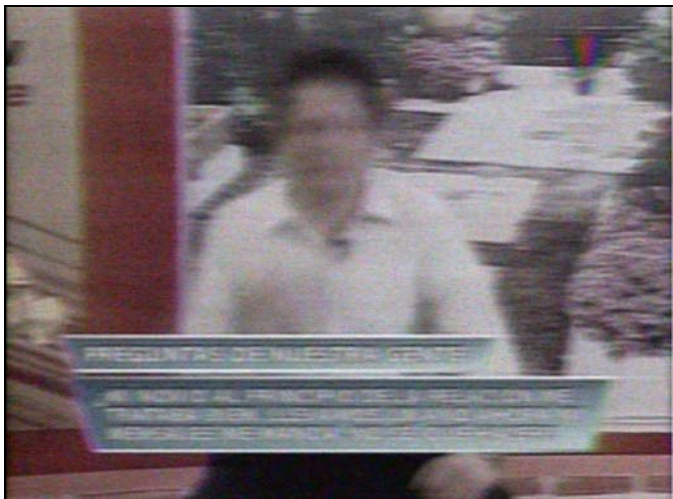
Your 2016 Es Season Described by One Picture



I think the above grab from the DXMaps website accurately describes the E Skip season thus far. If we had to put a bullseye over the places with the most Es to date, we'd put it south of Toronto between Kitchener and Buffalo. Generally speaking, the Southern states have had a bit, most of New England almost nothing, the northwest nothing, southwest nothing and Midwest about the same. DTV loggings are way down. Analog loggings are hard to come by with Mexico now all digital. A few DXers far south have caught FM Es from Central America. Cuban TV has been seen a few times in various places. Some DXers say this season is the worst they've ever seen.

Thanks everyone for supporting your WTFDA! And welcome to our new members this month: Gordon Cooper, Craig Cook,

Dan Oglethorpe sent a short note on his renewal form that read "I will return". Thank you Dan because I (and probably others) were wondering. You'd better return.



One bright spot in an otherwise dismal Es season is Bill Hepburn's reception of HRJS-2 in San Pedro, Honduras on June 15th at 1976 miles. Nice going, Bill!

Our newest member, Herbert Raemsch, lives in Montoursville, PA and has the ham call WA3HGT. He's just recently become interested in FM Broadcast DXing.

Craig Cook lives in central Florida and has been sending in RDS info for use in the WTFDA FM Database. We thank him very much for that.

And speaking of the database, we noticed that in the new SDRuno "cookbook" the SDRplay folks list the WTFDA Database at db.wtfda.org as a source for RDS info in North America. We thank them for that also. SDRuno, by the way, is new software for the SDRplay SDR and it's based on Studio 1 software which SDRplay now has the license to. Perhaps we can give you a taste of that next month.

That's it. I hope there's more to talk about next time.

-Mike



NRC/WTFDA/IRCA/Decalcomania Convention 2015



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. Please mention which clubs you belong to for club treasury info. Dale Hamm, Mark Durenberger, Carl Dabelstein and Ernie are your hosts.

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.

TV News

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




July 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
			
Alabama			
Birmingham	17	W46DK	DR from 46, 15kw
Montgomery	21	WHDK-LD	Requests site change to 31-37-50/86-47-33 (I-65 & Hwy. 16 near Exit 114); new to air
Montgomery	26	W26EC	New to air, 6kw, 31-37-50/86-47-34
Tuscaloosa	21	W21EM	New to air, 6kw, 33-06-02/88-05-23
Tuscaloosa	32	W32EQ	Requests power increase to 15kw, 33-13-06/88-05-47 (WAQT-FM tower, Commerce Ave. south of Carrollton)
Tuscaloosa	40	W40DL	Requests power increase to 15kw, 33-13-06/88-05-47 (WAQT-FM tower, Commerce Ave. south of Carrollton); granted
Tuscaloosa	44	W44DQ	Requests power reduction to 5kw
Tuscaloosa	47	WEEL-LD	Requests power increase to 15kw, 33-13-07/88-05-47 (WAQT-FM tower, Commerce Ave. south of Carrollton)

Location	RF Ch	Callsign	Notes
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Alaska

Anchorage	28	KTVA	New auxiliary backup transmitter operational, 600w/-86m, 61-12-47/149-48-32
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Arkansas

Fayetteville	25	KJNM-LD	Call changed from K25NM
Fort Smith	23	K23KT	Requests power increase to 15kw, 35-30-17/94-14-22 (I-49 & Old Rudy Road, Alma); granted
Fort Smith	40	K40LK	Requests power increase to 15kw, 35-30-17/94-14-22 (I-49 & Old Rudy Road, Alma); granted
Hot Springs	38	K38OS	New to air, 15kw, 34-19-07/93-34-10 (DTV America) (W987 & Rock Creek Cutoff west of Glenwood)
Paragould	26	KPMF-LD	Power increased to 7.5kw, 35-16-32/89-46-37 (end of Brief Rd., Bartlett, Tenn.)
Texarkana	32	KLIA-LD	Requests power increase to 15kw, 32-34-32/93-52-06; increase granted (East of Blanchard, La.)





California




Banning	5	KRVD-LD	Requests site change to 34-11-18/117-42-12; granted
Dunsmur (sic)	18	K02CN	Converted to digital, 15 watts
Eureka	16	K16JJ	Granted power increase to 15kw
Eureka	19	K19IC	Granted power reduction to 780 watts, 40-43-49/123-57-06 (KECU-FM, Kneeland Road, Kneeland)
Healdsburg	6	K06QM	Requests power increase to 300 watts, 38-48-34/123-02-56; city from Petaluma; granted.
Keyes	47	KFMS-LD	Power increased to 8kw, 37-54-49/120-59-47 (Escalon Ave. south of Farmington); requests reduction to 6kw, 38-17-06/121-13-31 (Madi Lane & Alta Mesa Rd., Herald)
Los Angeles	8	KFLA-LD	Site changed to 34-13-35/118-03-58 (Mt. Wilson)
Los Angeles	22	KMRZ-LD	Requests power increase to 15kw, 34-13-54/118-04-17 (KZLA-FM tower, Mt. Wilson)
Petaluma	6	K06QM	Power reduced to 100 watts, 38-19-56/122-35-40 (Sonoma Mtn. Road, Eldridge) See Healdsburg.



Colorado






Antonito	46	K46MV	Converted to digital, 1kw; moved from K51DM
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Location	RF Ch	Callsign	Notes
			
Florida			
Fort Walton	29	WEDS-LD	Requests power increase to 6kw, 30-29-09/87-04-59 (WNRE tower, Avalon & Garcon Point Rds., Pensacola); granted
Ocala	35	WRCZ-LD	Requests power increase to 7kw, 30-16-34/81-33-51 (Hogan Rd. & Southside Blvd., Jacksonville); call changed from W35CZ
Ocala	44	WNDS-LD	Requests power reduction to 3kw, 28-34-26/81-27-45 (WHOO towers, Silver Star Rd. & Pine Hills Rd.); granted; call changed from W44DS
Ocala	50	WFEF-LD	Requests power reduction to 600 watts, 28-34-26/81-27-45 (WHOO towers, Silver Star Rd. & Pine Hills Rd.); granted
Panama City	16	W16CX	Requests 3kw, 30-11-00/85-46-33; granted
Panama City	19	WIDM-LD	Requests 6kw, 30-21-08/85-23-27; granted
Panama City	20	W20DX	Requests 500 watts, 30-17-45/85-39-42; granted
Panama City	43	W43DQ	Requests 1kw, 30-10-44/85-46-55; granted
			
Georgia			
Augusta	35	W35CU	Site changed to 33-43-29/82-12-18 (Hwy. 28 south of Modoc); requests further change to 34-09-23/82-12-25 (Briarwood Rd. & McCormick Hwy., west of Greenwood, S.C.); granted
Augusta	46	W46EK	Site changed to 33-43-29/82-12-18 (Hwy. 28 south of Modoc); requests site change to 34-09-23/82-12-25 (Briarwood Rd. & Hwy. 40, Greenwood, S.C.); granted
Cleveland	28	WDWW-LP	Requests power reduction to 12kw
La Grange	42	W42DU	Power reduced to 1kw, 32-50-15/84-48-55
Macon	17	W17DY	New to air, 3kw, 32-50-18/83-39-02 (DTV America) (Holt & Dannenberg Avenues west of I-75); requests power increase to 7kw, 33-03-00/83-57-10 (I-75 exit 188, Forsyth); granted
Macon	49	W49EO	Site changed to 33-06-57/83-48-43 (Hwy. 23 northwest of Juliette); requests further change to 33-25-58/84-08-10. (Racetrack Rd. & Zack Hinton Parkway, McDonough); granted & on the air
Savannah	46	WXSX-LP	Requests conversion to digital, 6kw, 32-02-41/81-07-21 (Stark Ave. & Clinch St.)


Location	RF Ch	Callsign	Notes
			
Idaho			
Boise	25	KFLL-LD	Power changed to 6kw, 43-43-26/116-31-37 (Willis & Blessinger Roads, Star); requests power increase to 15kw, 43-48-57/116-46-10 (Tower Lane & East Tower Lane, west of US-30, Sand Hollow)
			
Illinois			
Peoria	16	W16CT	Requests power increase to 3kw, 40-37-12/89-17-14 (I-74 exit 112, Goodfield); granted
Springfield	45	WODK-LD	Requests power increase to 8.7kw, 38-26-14/90-28-40 (Blackberry Lane & Swaller Rd., Hwy. 21, Arnold, Mo.); call changed from W45DK
			
Indiana			
Lafayette	31	WUDP-LD	Requests power reduction to 7.2kw, 39-53-39/86-12-20 (Walnut Drive & W. 79 th St., Indianapolis)
South Bend	23	WUEA-LD	Call changed from W23EA
Terre Haute	23	W23DZ	New to air, 6kw, 38-51-21/87-10-06 (DTV America) (near Elnora); requests further move to 38-37-02/86-42-35 (Hwy. 150 east of Lacy); granted
Terre Haute	28	WUDZ-LD	Power increased to 7.5kw, 39-53-39/86-12-20 (Township Drive & W. 79 th St., Indianapolis)
Wolcott	49	W49DS	New to air, 6kw, 40-45-56/87-03-05 (King Forward) (Range St. west of town); requests site change to 41-06-50/86-46-34 (W. County Rd. 400 N & N State Rd. 39, northwest of Winamac)



Iowa			
Fort Dodge	28	K28NF	Requests site change to 41-29-59/95-03-34 (norht of I-80 Exit 54, Atlantic)

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
			
Kansas			
Topeka	20	K20KR	Requests site change to 38-20-03/96-18-02 (Kans. Turnpike & Road D SW of Emporia)
Topeka	35	K35KX	Requests power increase to 15kw, 38-48-19/95-43-02 (S. Lewelling Rd. SW of Carbondale); granted
			
Kentucky			
Bowling Green	32	WKUT-LD	Requests power reduction to 3kw, 37-28-39/85-53-52; granted
			
Louisiana			
Crowley	36	K36MG	Requests power reduction to 4kw, 30-16-14/91-59-02 (Lajaunie Rd. & I-10, Lafayette); granted
Lafayette	43	K43MS	Site changed to 30-13-18/92-03-49 (Eraste Landry Rd. & Easy St.); requests further change to 30-21-40/91-37-52 (south of I-10 exit 127, Atchafalaya)
Lafayette	46	KLAF-LD	Requests site change to 30-12-17/92-04-42 (behind Bridge Storage, Ambassador Caffrey Parkway)
Lafayette	47	K47NC	Site changed to 30-13-18/92-03-49 (Eraste Landry Rd. & East St.); requests further change to 30-21-40/91-37-52 (I-10 exit 127, Atchafalaya)
Lafayette	48	K48MK	Requests site change to 29-53-59/91-38-38 (Hwy. 182 & Moresi Rd., Jeanerette); granted
			
Maryland			
Salisbury	32	WGDV-LD	Requests power increase to 15kw, 38-30-05/75-44-08 (Snethen Church & Sharptown Rds., Mardela Springs); granted
			
Michigan			
Grand Rapids	13	WZZM	Auxiliary transmitter new to air, 12.3kw/225m

Location	RF Ch	Callsign	Notes
			
Minnesota			
Brainerd	48	K48IF	Converted to digital, 2.8kw
Walker	49	K49CU	Converted to digital, 2.6kw
			
Mississippi			
Clarksdale	18	WQEK-LD	Site changed to 34-59-21/89-51-44 (Old Craft Rd., Olive Branch)
Clarksdale	29	W29EM	New to air, 6kw, 33-28-08/90-37-10 (DTV America) (Martin Luther King Drive & French Rd., Indianola); requests site change to 33-06-05/90-29-53 (US-49W & Hwy. 149, Silver City)
Clarksdale	31	W31DZ	New to air, 6kw, 33-28-08/90-37-10 (DTV America) (Martin Luther King Drive & French Rd., Indianola)
Greenville	47	W47EM	New to air, 6kw, 33-28-08/90-37-10 (DTV America) (Martin Luther King Drive & French Rd., Indianola)
Lumberton	19	W19EB	Requests power reduction to 6kw, 30-38-14/88-54-44 (Bethel Rd. & Hwy. 15 north of Biloxi)
Lumberton	32	W32EM	Requests power increase to 6kw, 30-51-12/88-50-28 (Vardaman Graves Rd. & Hwy. 25, Benndale)
Lumberton	33	WQDT-LD	Requests power increase to 15kw, 29-54-38/90-11-45 (Hwy. 90 & Lapalco Blvd., Waggaman, La.)
			
Missouri			
Jefferson City	32	K32KV	Site changed to 38-45-12/93-20-05 (Menefee Rd. & Hwy. T, Dresden); requests further change to 38-46-45/93-50-35 (US-50 & NW 501 st Rd., Warrensburg)
Joplin	26	K26KY	Requests power reduction to 5kw, 36-07-52/96-04-13 (Chandler Park, Sand Springs, Okla.); granted
Osage Beach	49	KRBK	Application for 6th site for DTS. 12Kw/76m, 37-11-41/92-56-08. KTXR-FM tower north of Fordland.
			
Montana			
Drummond	20	K20KL	Requests power increase to 30 watts; granted
Drummond	26	K26KA	Requests power increase to 30 watts; granted
Drummond	35	K35JT	Requests power increase to 30 watts; granted
Drummond	45	K45LA	Requests power increase to 30 watts; granted
Thompson Falls	4	K04QV	Requests power increase to 30 watts

Location	RF Ch	Callsign	Notes
			
Nebraska			
Lincoln	14	K14NW	Requests site change to 40-59-48/96-24-23 (226 th St. & US-6 north of I-80, Ashland); granted
Lincoln	19	K19JI	Requests site change to 40-59-48/96-24-23 (226 th St. & US-6 north of I-80, Ashland)
Lincoln	24	K24JK	Requests power reduction to 3kw, 40-54-23/97-06-04 (8 th & South St., Seward)
Lincoln	25	K25LK	Requests site change to 40-59-48/96-24-23 (226 th St. & US-6 north of I-80, Ashland); granted
Lincoln	40	K40LJ	Requests site change to 40-59-48/96-24-23 (226 th St. & US-6 north of I-80, Ashland); granted
South Sioux City	26	KSXC-LP	Application for new station, 15kw, 42-29-05/96-18-18; digital companion for analog channel 5. KTFC FM tower, Hwys. 20 & 75)



New Hampshire			
Concord	22	WLEK-LD	Requests power reduction to 3kw, 42-55-18/71-13-32 (Haverhill & Tenney Rds., Sandown); call changed from W22EK



New Jersey			
Sussex	35	W35DK	Requests conversion to digital, 5kw



New Mexico			
Santa Fe	19	K19JK	Requests site change to 35-31-15/106-10-02 (I-25 Exit 267)
Santa Fe	50	K50MI	Requests site change to 35-24-13/106-26-05 (Mian St. & I-25, Algodones); granted



North Carolina			
Hendersonville	31	W31AZ	Converted to digital, 4kw
Lumberton	41	WHEH-LD	New to air, 6kw, 34-48-00/79-31-39 (DTV America) (US-74 west of Laurinburg); requests site change to 34-57-47/80-00-34 (Andrew Jackson Highway west of Lilesville); granted & on the air; requests further reduction to 3kw, 34-40-27/79-02-20; granted

Location	RF Ch	Callsign	Notes
Lumberton	50	W50EQ	New to air, 6kw, 34-40-26/79-02-20 (DTV America) (Piney Grove Road north of town); requests site change to 35-01-58/79-19-14 (Hwy. 211 & Poole Road, Raeford); granted
Wanchese Washington	6 39	WMTO-LP WGDO-LD	Power increased to 3kw; ANALOG station Site changed to 35-20-34/77-17-04 (between Vanceboro & Grifton); requests site change to 35-17-33/77-47-39 (US-70 & Hwy. 903, La Grange); new to air



North Dakota

Argusville	28	K28MA	Requests power increase to 15kw, 47-20-32/97-17-19 (KVLY-TV tower, 153 rd Ave. SE & Hwy 18, Blanchard)
Grand Forks	30	K30LR	Requests power increase to 15kw, 47-57-38/97-02-34 (Hwy. 64 & Section Line Rd., north of East Grand Forks, Minn.)
Horace	30	KXJB-LD	Requests power increase to 15kw, 46-50-47/96-48-05 (KVLY-TV studios, I-94 exit 351, University Drive); call changed from K30LT
Williston	38	KXND-LD	Converted to digital, 15kw, 48-09-49/103-22-06 (124 th Ave. NW & ND-1804)




Oklahoma

Enid	36	K36MV	Site changed to 36-50-46/97-39-33 (N. 3000 Rd., Medford); requests further change to 37-15-39/97-35-11 (between Milan & Mayfield, Kans.)
Enid	42	KBZC-LD	Requests power increase to 7.2kw, 35-35-51/97-29-22; (John Kilpatrick Turnpike & US-77, Edmond) granted; call changed from K42LL.



Oregon

Astoria	26	K26DB	Converted to digital, 5kw
Corvallis	47	K45CV	Converted to digital & moved from ch. 45, 5kw
Gold Beach	33	K33CP	Converted to digital, 500 watts, 42-26-25/124-24-58 (1km north of Wedderburn)
Klamath Falls	15	K07PU	Converted to digital & moved from ch. 7
Lincoln City	42	K42CZ	Converted to digital, 5kw
Squaw Valley	15	K07KZ	Converted to digital & moved from ch. 7, 100 watts, 42-23-51/124-21-50 (off Hwy. 605 east of Gold Beach)

Location	RF Ch	Callsign	Notes
			
Puerto Rico			
Ceiba	18	W18DZ	New to air, 3.43kw, 18-17-01/65-40-28 (TV Red de PR) (Casi Cielito St., Parcelas Calderonas)
Culebra	24	W24DW	New to air, 15kw, 18-19-18/65-17-59 (TV Red de PR) (Playa Resaca)
Juana Diaz	45	W45DI	Power increased to 15kw, 18-09-14/66-33-14 (Cerro Maravilla, Hwy. 143, Jayuya)
Juana Diaz	49	W49DI	New to air, 15kw, 18-05-01/66-27-21 (TV Red de PR) (S. of Palma Sola)
Naguabo	39	W39DJ	New to air, 15kw, 18-17-01/65-40-28 (TV Red de PR) (Casi Cielito St., Parcelas Calderonas)
Ponce	50	W50EO	New to air, 15kw, 18-05-01/66-27-21 (TV Red de PR) (S. of Palma Sola)
Santa Isabel	18	W18DQ	Power increased to 15kw, 18-02-52/66-39-16 (Hwy. 503, Marueno)
Vieques	34	W34DY	Power increased to 15kw



South Carolina			
Florence	35	WUCV-LD	Requests power reduction to 10kw, 35-11-55/80-52-36 (I-77 & Clanton Rd., Charlotte NC)
Myrtle Beach	40	W40DJ	Site changed to 33-31-15/79-30-31 (Hedge Road & County Roads 45-575); requests power increase to 15kw, 33-32-02/79-59-14 (WHLZ-FM tower, River & Gourdin Rds., south of Greeleyville); granted



Tennessee			
Jackson	50	W50EH	Requests site change to 35-52-43/87-44-12; granted (I-40 west of Duck River)
Memphis	44	WBXP-LP	Requests conversion to digital, 6kw, 35-08-37/90-03-09 (2 nd St. & Union Ave.)



Texas			
Beaumont	40	KBMN-LD	Requests power increase to 6kw, 29-27-28/94-38-29 (Hwy. 87 & Crystal Beach Rd., Bolivar Peninsula)
Eagle Pass	17	KEAP-LD	Application for new station, 15kw, 28-45-08/100-25-41; (Hwy. 57 & 480) Digital companion for analog 3

Location	RF Ch	Callsign	Notes
Lubbock	28	KFMP-LP	Application for new station, 15kw; digital companion for analog 6
Lufkin	25	K25LV	Requests site change to 32-23-20/94-00-59 (US-79 & Woodpine Trail, NE of Bethany, La.)
Lufkin	33	K33KO	Requests power increase to 15kw, 32-34-32/93-52-06 (Smith Lane & Glenn Rd., Blanchard, La.); site changed to 32-23-20/94-00-59 (US-79 east of Bethany, La.)
Lufkin	38	K38MD	Site changed to 32-03-05/94-18-15 (Hwy. 420 & Praire 8201, west of US-59, NW of Woods); requests further change to 32-23-20/94-00-59 (Hwy. 79 northeast of Bethany, La.)
Lufkin	41	K41LW	Site changed to 32-03-05/94-18-15 (Hwy. 420 & Praire 8201, west of US-59, NW of Woods); requests further change to 32-23-20/94-00-59 (Hwy. 79 northeast of Bethany, La.)
Lufkin	47	K47NF	Site changed to 32-00-48/95-20-57 (US-175 & FM3418 east of Reese); requests further site change to 32-11-30/95-48-29 (US-175 & FM4708, Athens)
San Antonio	45	KXTM-LD	Requests conversion from analog channel 21, 1kw, 29-25-05/98-29-30 (Cesar Chavez Boulevard & St. Mary's St.)
San Antonio	47	KSSJ-LD	Requests power increase to 15kw, 29-46-03/98-14-35 (Hwy. 46 west of New Braunfels)
Sherman	38	KGNE-LD	Site changed to 34-54-02/97-20-32 9I-35 & Hwy. 59, Wayne, Okla.); requests further change to 35-19-59/97-19-38 (SE 134 th St. & Stanley Draper Drive, Moore, Okla.); granted




U.S. Virgin Islands

Tutu (St. Thomas)	33	W33DD	New to air, 15kw, 18-21-27/64-56-52 (TV Red de PR) (St. Peter Mtn.)
Tutu (St. Thomas)	50	W50EG	New to air, 15kw, 18-21-27/64-56-52 (TV Red de PR) (St. Peter Mtn.)



Utah

Apple Valley	34	K34CX	Converted to digital, 667 watts, 37-06-49/113-07-39 (Cartland Dreive & Cubles Gooseberry Drive)
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Location	RF Ch	Callsign	Notes
			
Virginia			
Crozet	15	W15DW	New to air, 3kw, 38-04-26/78-44-20 (DTV America) (Blair Park & Jarmans Gap Roads); requests site change to 38-04-47/78-44-21; granted
Crozet	31	W31EC	New to air, 3kw, 38-04-26/78-44-20 (DTV America) (Blair Park & Jarmans Gap Roads); requests site change to 38-04-47/78-44-21; granted
Crozet	35	W35DJ	New to air, 3kw, 38-04-26/78-44-20 (DTV America) (Blair Park & Jarmans Gap Roads); requests site change to 38-04-47/78-44-21
Crozet	38	W38FW	New to air, 3kw, 38-04-26/78-44-20 (DTV America) (Blair Park & Jarmans Gap Roads); requests site change to 38-04-47/78-44-21; granted



Wisconsin			
Madison	36	WZCK-LD	Requests power increase to 8.4kw, 43-03-09/89-28-35 (WKOW-27 radar tower, Tokay Blvd.); granted
Wausau	14	W14EA	Requests site change to 44-45-27/88-31-03 (Hwys. 29 & T, SE of Shawano)
Wausau	19	WODR-LD	Requests site change to 44-45-27/88-31-03 (Hwys. 29 & T, SE of Shawano)
Wausau	21	W21DG	Requests site change to 43-43-36/89-28-38 (I-39 & Gale Lane, Endeavor); granted
Wausau	29	W29EH	Requests site change to 44-45-27/88-31-03 (Hwys. 29 & T, SE of Shawano)
Wausau	47	W47EK	Requests site change to 44-45-27/88-31-03 (Hwys. 29 & T, SE of Shawano)



Wyoming			
Casper	18	K18JQ	Requests power reduction to 2.3kw, 42-51-00/106-21-47 (Progress Circle & Salt Creek Route)
Casper	41	KSBF-LD	Requests power reduction to 1.9kw, 42-51-00/106-21-47 (Progress Circle & Salt Creek Route)
Shoshoni	38	K38EK	Site changed to 43-26-16/107-59-45 (Copper Mountain between Shoshoni & Thermopolis)

FM Facilities Report

July 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	

AB	Taber	89.3	NEW	NS 50w/26m, to relay CIAM-FM Fort Vermilion
AK	Palmer	89.7	K209FY	QG from K208BC-89.5; relays KVRF 89.5
AK	Soldotna	100.9	K265EX	PG<30w
AK	Soldotna	102.5	K273CM	PG<30w
AL	Greensboro	99.1	WLXQ	CC from WDGM
AL	Oxford	102.1	W271CE	NW 10w, 33-37-15/85-52-18; relays WLJS-FM 91.9
AL	Saraland	92.5	W223BX	PG>250w.7
AR	Paragould	103.7	K290BS	QC from 105.9, 36-01-46/90-35-50; relays KDRS 1490; CL from Batesville
AR	Bryant	93.3	KKSP	PC 22kw/107m, 34-44-37/92-19-07
AR	Springdale	91.7	K203CE	QC from 88.5, 140w, 36-12-15/94-06-05
AZ	Wickenburg	105.1	KHOV-FM	QG from 105.3, 46kw/410m
AZ	Flagstaff	93.5	K228XO	PG>250w; relays KAFF 930
AZ	Phoenix	106.7	K294CW	QG from K291CI-106.1, 250w, 33-35-39/112-05-08; relays KASA 1540; CL from Baker, Calif.
AZ	Yucca	105.9	K290CM	QG from K291BU-106.1, 20w
BC	Revelstoke	92.5	VF2590	NS 4w/-108m, 50-59-57/118-11-05, English community
CA	Big Pine	88.9	K205ET	XX to relay KNIS 91.3 instead of KQMC 90.1
CA	Calistoga	92.3	K222CV	QG from K275CB-102.9, 47w; relays KLVR 91.9; CL from Clear Lake
CA	Los Banos	89.7	K209FV	XG 37-07-29/121-11-39; relays KMRO 90.3
CA	Santa Maria	99.5	K258CY	QG from K294BX-106.7, 250w, 34-44-30/120-26-45; relays KSMA 1240; CL from Cambria
CA	Shasta Lake	92.7	KYCT	NW 285w/452m, 40-39-15/122-31-12 (Richard Comras)
CA	Fresno	103.3	KOFP-LP	NW 84m, 36-44-05/119-47-27 (Idefua Foundation for African Arts & Culture)
CA	Atwater	92.5	KMZR	CC from KBRE
CA	Lenwood	96.9	KHDR	PG 1.8kw/185m, 34-51-22/117-03-00
CA	Lenwood	107.3	KIXW-FM	PG 1.8kw/185m, 34-51-22/117-03-00
CA	Big Pine	99.5	K258CZ	QG from K205ET-88.9; relays KNIS 91.3; QC
CA	Bishop	96.1	KBPT-LP	NW -134m, 37-22-06/118-25-10 (Bishop Paiute Tribe)
CA	Ventura	93.3	KOXZ-LP	NW 260m, 34-17-47/119-16-21 (La Iglesia Cristiana de Oxnard)
CA	Watsonville	102.1	KXWS-LP	PG<-48m, 36-54-45/121-45-19
CA	Barstow	101.3	KWIE	PC 6kw/100m, 34-55-20/117-26-56; CL from Hinckley
CA	Needles	97.9	KLUK	PG>100kw/475m, 35-02-04/114-22-12
CA	Hollister	100.9	K265DG	NW 100w/590m, 36-45-37/121-29-25; relays KPRC-FM 100.7
CA	Redding	97.7	K225AJ	QC from 92.9
CA	Selma	100.7	K264CL	QG from K211DA-90.1, 36-34-09/119-36-40; power unspecified
CO	Boulder	106.3	K290BG	QC from 105.9, 250w, 40-00-43/105-11-16; relays KCFC 1490; CL from Casper, Wyo.
CO	Glenwood Springs	93.3	K227DA	QG from 103.5, 6w, 38-06-22/104-29-18; relays KWRP 690
CO	Denver	104.7	KOMF-LP	NW 30m, 39-46-20/104-58-56 (Open Media Foundation)
CO	Winter Park	88.3	KFFR	PG>-167m, 40-00-28/105-47-37
CO	Lake City	101.3	K267BQ	NW 10w/240m, 37-59-41/107-19-15; relays KTMH 89.9

CO	Denver	95.3	K237GG	PC>65w-H/43w-V
CO	Montrose	106.1	K291CL	NW 250w, 38-29-18/107-50-52; relays KAVP 1450
CT	New Haven	102.3	W272DO	PG>250w, 41-20-59/72-58-23; CL from Bridgeport
DE	Seaford	98.5	WGBG-FM	CC from WGBG
DE	Wilmington	92.9	W225CH	PC>145w, 39-44-03/75-31-44; relays WILM 1450; CL from Southampton, N.Y.
FL	Boca Raton	95.3	W237BD	XG 26-22-12/80-10-23; relays WWNN 1470; CL from Pompano Beach
FL	Boca Raton	103.9	W280DU	PG>250w, 26-22-12/80-10-23; relays WSRB 740; CL from Greenacres
FL	Oviedo	105.5	W288CJ	XG 28-42-49/81-20-35; relays WORL 660
FL	Hammocks	91.9	WMKL	PG>50kw/106m
FL	Sebastian	95.9	WROK-FM	CC from WSJZ-FM
FL	Cocoa	96.9	WRRQ-LP	PG 45m
FL	Fort Myers	99.7	WQXY-LP	CC from WZKO-LP
FL	Eastpoint	99.7	W259an	QG from W205CQ-88.9, 210w, 29-43-39/84-53-23; relays WAYT 88.1; CL from Apalachicola
FL	Immokalee	90.5	W213BQ	PG>250w, 26-24-58/81-25-05
FL	Santa Rosa Beach	96.9	W245CR	QG from 103.7, 250w, 30-23-03/88-32-08; relays WPMO 1580
GA	Canton	102.7	W274BY	QG from W273CT-102.5, 250w, 34-28-32/84-26-13; relays WYYZ 1490
GA	Macon	105.5	WLXF	CC from WROK-FM
GA	Irwinville	103.3	W277DC	QG from W235AS-94.9, 250w, 33-52-49/81-33-16; relays WBLR 1430
GA	McDonough	100.9	W265DG	NW 250w, 33-25-48/84-07-52; relays WKKP 1410
GA	Vidalia	105.3	W287CR	NW 250w, 32-13-12/82-26-07; relays WVOP 970
GA	Warner Robins	88.5	W202BA	QC from 88.3, 19w, 32-36-26/83-36-08; relays KAWZ 89.9
GA	Atlanta	102.1	W270CP	QC from 101.9, 80w, 33-44-41/84-21-36; amendment from 250w
GA	Columbus	102.5	W286BE	QC from 105.1, 32-27-28/84-53-08; relays WBOJ 1270; CL from Dawson
HI	Kaunakakai	95.9	KKHI	PG>19kw/513m
HI	Hilo	88.7	K207CD	QC from 89.3
IA	Cedar Rapids	101.5	K268CY	PG<30w, 42-03-34/91-32-39; relays KMJM 1360; CL from Stocktown
IA	Spirit Lake	98.9	K255CY	QC from 88.1, 43-24-15/95-03-44; relays KICD-FM 107.7
IA	Davenport	96.3	K242CV	QG from 99.3, 250w, 42-42-05/92-28-23; relays KWAY 1470
ID	Mullan	90.7	KZNP	QC from 90.5, 1.5kw/460m, 47-27-17/115-39-29
ID	Lava Hot Springs	96.5	K243CJ	QG from 103.7, 99w, 42-51-46/112-31-03; relays KOUU 1290
ID	Twin Falls	94.7	K234CT	NW 250w, 42-43-54/114-25-04; relays KART 1400
ID	Twin Falls	94.7	K234CT	NW 250w, 42-43-54/114-25-04; relays KART 1400
IL	Kankakee	91.1	WBK	CC from WKCC
IL	Peoria	103.9	W280FA	NW 250w, 40-47-09/89-40-04; relays WPEO 1020; CL from Boonville, Mo.
IL	Rockford	105.3	W287BY	NW 135w, 42-19-48/89-04-58; relays WLUV 1520; CL from Oregon
IL	Shelbyville	107.5	W234CE	QC from 94.7, 250w
IL	Taylorville	96.1	W242BZ	QC from 96.3
IL	Taylorville	96.5	W244DJ	QC from 96.7, 250w
IN	Boonville	99.9	W260CX	QG from W249BP-97.7; relays WBNL 1540
IN	Hammond	104.7	W284CY	NW 250w, 41-35-49/87-28-45; relays WJOB 1230; CL from Dubuque, Ia.
IN	Tell City	93.7	W229BX	NW 80w/33m, 38-03-24/86-49-35; relays WBGW 101.5
IN	Charlestown	99.3	WPMQ-LP	NW 60m, 38-26-15/85-39-44 (City of Charlestown)
IN	Evansville	98.5	W253BF	PG>120w, 37-59-19/87-35-41
IN	Lebanon	104.5	W283CO	QG from 106.5, 250w, 40-58-13/87-09-38; relays WRIN 1560
IN	Newburgh	93.1	W226CB	NW 250w, 37-57-16/87-25-07; relays WGAB 1180
IN	Fremont	103.7	WGOO-LP	PG>79m, 41-45-28/84-55-35
KS	Lawrence	96.1	K241AR	PC>250w/117m, 39-01-10/95-30-10; relays KANU 91.5
KS	Topeka	104.9	K285GL	PG>250w, 39-03-50/95-45-49; relays WIBW 580
KS	Marysville	94.1	K231AX	XC 39-51-28/96-38-56; relays KNDY 1570

KS	Hays	94.3	K232FJ	NW 250w, 38-55-20/99-21-12; relays KAYS 1400
KS	Wichita	88.7	K204DQ	PG>250w, 37-48-14/97-20-54
KY	Frankfort	102.9	W275BT	PG<27w; relays WKUE 90.9; CL from Lawrenceburg
KY	Vine Grove	101.5	WVKB	CC from WTHX
KY	Lancaster	95.5	W238CN	XC 37-27-27/84-37-26; relays WPBK 102.9; CL from Eubank
KY	Louisville	97.9	W250BD	XG 38-14-38/85-45-33; relays WLGX 100.5
KY	Somerset	94.3	WIJS-LP	PG>33m, 37-07-41/84-37-41; XR 37-07-41/84-37-41; amendment to change site
KY	Central City	101.7	W278AD	QC from 103.5, 250w, 37-11-04/85-51-47; relays WLOC 1150
MA	Greenfield	107.5	W254BF	QC from 98.7, 250w, 42-35-20/72-37-05; relays WHMQ 1240; CL from Ithaca, N.Y.
MA	Leicester	101.5	W268CQ	QG from W293BN-106.5, 54w, 42-18-11/71-53-52; relays WVNE 760; CL from Barnstable
MD	Newark	94.9	WAMS	CC from WMDS
MD	Westminster	102.3	W272CX	PG>205w, 39-34-38/77-01-22; relays WTTR 1470; CL from Gettysburg, Penna.
MD	Frederick	91.1	W216CM	QG from W219BX-91.7, 6w
ME	Milbridge	93.7	WRMO	PC>27kw
ME	Kearney	96.1	K257GB	QC from 99.3, 250w, 40-40-05/99-04-52; relays KGFV 1340; CL from Holyoke, Colo.
MI	Marshall	104.9	WBXX	PC<97m, 42-18-52/84-55-44
MI	Benton Harbor	95.7	W239CJ	QG from W240CZ-95.9; relays WSJM 1400
MI	Hancock	98.7	WGLI	PG>176m, 47-06-03/88-33-55
MI	L'Anse	105.7	WCUP	PG 100kw/176m, 47-06-03/88-33-55
MI	Cassopolis	96.3	W242CN	QG from W266BS-101.1, 41-54-45/85-59-50; relays WGTO 910
MI	Grand Rapids	97.3	WJWC-LP	NW 43m, 42-58-58/85-39-55 (Empowerment Radio Project)
MI	Grand Rapids	94.1	W231DD	NW 88w, 42-57-13/85-41-55; relays WNWZ 1410
NJ	Hackettstown	91.9	WXPJ	CC from WNTI
NJ	Cape May	89.7	W209CP	QG from W262CH-100.3, 38w, 39-00-33/74-52-13; relays WVVB 90.5
NJ	Ewansville	107.7	W299BR	NW 250w, 40-05-11/74-40-12; relays WPST 94.5; XR 40-15-16/74-30-34
NJ	Franklin Township	104.7	W284BW	PC>55w, 40-32-52/74-22-46; PR>170w, 40-30-35/74-17-18; relays WPAT-FM 93.1
NJ	Newton	97.5	WRSK-LP	CC from WAMS-LP
NJ	Pleasantville	100.3	W262CF	NW 55w, 39-22-35/74-27-08; relays WEHA 88.7
MN	St. Paul	95.7	K239CJ	PG>250w, 44-57-28/93-12-22; relays KMNV 1400; CL from Des Moines, Ia.
MO	Union	92.7	K289AY	QC from 105.7, 210w, 38-28-55/91-02-27; relays KLPW 1220; CL from Camdenton
MO	Warsaw	93.9	K230BI	XG 38-14-17/93-19-06; relays KCRL 90.3
MO	Lynn	106.1	K291CN	QG from 107.7, 95w, 39-04-05/94-32-10; relays KPRT 1590
MO	Joplin	101.3	K267BY	QG from K268CP-101.5, 99w; relays WMBH 1450
MO	Rolla	100.7	K264BZ	PG>205w, 37-58-44/91-44-52; relays KGNN-FM 90.3
MO	Springfield	96.9	K245CA	QG from K283BY-104.5, 250w, 37-09-49/93-19-11; relays KBFL 1060; CL from Eldon
MO	St. Louis	101.5	K268CT	PG>99w, 38-39-08/90-17-03; relays WHHL 104.1; CL from Saint Peters
MO	St. Louis	104.5	W283CA	PC<99w, 38-38-09/90-11-44; relays KXEN 1010; CL from Highland, Ill.
MO	St. Robert	106.9	K295CM	XG 38-36-03/90-56-04; relays KRAP 1350
MS	Jackson	106.3	W292EX	QG from W265CZ-100.9, 80w, 32-16-51/90-17-38; relays WJQS 1400; CL from Meridian
MS	Laurel	101.1	W295AJ	QC from 106.9, 250w, 31-31-29/89-14-31; relays WHJA 890; CL from Jackson, Ala.
MS	Gulfport	103.9	WFUK-LP	NW 22m, 30-21-30/89-06-45 (Islamic Center of Gulfport)
MT	West Yellowstone	93.1	KEZQ	QG from 92.9, 37kw/440m, 43-30-03/112-39-43
MT	Missoula	104.1	K281CH	PC<99w, 46-48-30/113-58-38; relays KMSO 102.5
NC	Concord	98.3	W252DI	QG from W255BD-98.9, 35-24-43/80-36-42; relays WTIK 1410; CL from Darlington, S.C.
NC	Rocky Mount	102.1	W271BT	PG>19w; relays WSHA 88.9
NC	Troy	105.9	WURE-LP	PG 49m, 35-21-43/79-53-43
NC	High Point	107.1	W296CV	NW 110w, 35-56-42/79-51-45; relays WPPI 94.5
NC	Burlington	105.9	W290CX	QG from 97.5, 250w, 36-06-48/79-27-01; relays WBAG 1150; CL from Mountain Lake, Va.
NC	Monroe	93.1	W226CD	NW 180w, 34-58-57/80-32-13; relays WIXE 1190

ND	Rugby	95.3	KKWZ	PC>6kw/45m, 48-21-15/99-59-32
ND	Ellendale	98.9	K255AO	CX ROA
NM	Las Cruces	91.5	KRUX	PG 1.2kw/-40m, 32-16-59/106-44-50
NM	Truth or Consequences	91.5	K218EF	PC>10w/792m, 32-58-11/107-13-31; relays KNLB 91.1
NM	Red River	90.1	KCEI	PG>2.05kw/739m, 36-51-34/106-01-02
NM	Rincon	107.1	KSIL	QG from 105.5, 2.3kw
NY	South Fallsburg	99.7	WJUX	PC 1.4kw/208m, 41-48-04/74-47-05
NY	Redwood	98.7	W253BU	QC from 98.5, 1w, 40-58-19/72-20-54; relays WLNG 92.1
NY	Rochester	106.3	WRFZ-LP	NW 69m, 43-08-25/77-35-53 (Rochester Free Radio)
NY	Saranac	106.3	WNBZ-FM	CC from WYZY
NY	Camillus	98.7	W254CI	PC>250w, 43-08-00/76-20-20; relays WOLF-FM 105.1
NY	Corning	106.7	W294BU	PC>99w
NY	Hauppauge	96.5	W243DM	PC<10w, 40-48-55/73-10-44
NY	Ithaca	107.1	W296CP	PC>250w
NY	Redwood	98.7	W254CX	QC from 98.5, 15w, 40-58-19/72-20-54; relays WLNG 92.1
NY	Attica	107.3	W297BK	PG>250w, 42-50-16/78-17-14
NY	Elmwood	94.1	W231CS	PG<170w
NY	Redwood	99.3	W257DU	QG from W253BU-98.7, 1w
NY	Richville	88.3	W202CI	XC 44-20-42/75-29-14
OH	Whitehouse	88.9	WTPG	PC>12.3kw/84m
OH	Dayton	97.1	W246CQ	NW 10w, 39-34-11/84-11-10; relays WYDA 96.9
OH	Dayton	104.3	W282CD	NW 250w, 39-49-32/84-08-59; relays WGNZ 1110
OH	Lorain	98.9	W293AZ	QC from 106.5, 90w, 41-25-48/82-09-07; relays WDLW 1380; CL from Elkhart, Ind.
OK	Carter	88.3	KOGC	PC>2kw/158m, 35-25-45/99-29-48
OK	Lawton	95.3	KMGZ	PG<88m, 34-34-31/98-28-30
OK	Madill	97.3	K247CK	QC from 107.9, 34-06-30/96-46-36; relays KMAD 1550
OK	Lawton	95.3	KMGZ	PC<88m, 34-34-31/98-28-30
OR	Lincoln Beach	97.5	KHKF	PG>7kw/259m, 44-45-24/124-02-53
OR	Reedsport	92.1	KSVD	PC>600w/103m
OR	Brookings	104.1	K281CM	QG from K285DK-104.9, 250w, 41-58-11/124-11-12; relays KURY 910; CL from Junction City, Calif.
OR	Pinehurst	105.9	K290BX	NW 10w/694m, 42-03-53/122-28-42; relays KDOV 91.7
OR	Central Point	103.9	K280GM	NW 250w, 42-25-00/122-51-32; relays KFJL 1400; CL from Hornbrook, Calif.
OR	Pendleton	103.1	K276GF	NW 190w, 45-35-27/118-34-47; relays KTIK 1240; CL from Biggs
PA	Berwick	100.1	W261DB	QG from W208BU-89.5, 2w, 41-07-35/76-15-59; relays WLKA 88.3
PA	Greencastle	93.7	WRGG-LP	NW 55m, 39-47-29/77-40-30 (Greencastle-Antrim Education Foundation)
PA	Indiana	100.3	W229AQ	QC from 93.7, 250w, 40-38-16/79-08-49; relays WDAD 1450; CL from Mansfield
PR	Isabela	98.1	WCXQ-LP	PC 30m, 18-30-18/67-00-48
QC	La Tuque	101.9	CBVE-1-FM	NS 598w/106m, 47-25-25/72-45-47, to relay CBVE-FM Quebec & replace AM station CBVE-1 830
SC	Kiawah Island	105.5	WCOO	PG>22.5kw/200m, 32-47-56/79-53-50
SC	Irmo	91.7	W219CY	PG>250w, 34-07-07/80-56-13; relays WMHK 89.7
SC	Orangeburg	106.1	WOBS-LP	NW 39m, 33-29-55/80-50-33 (SC State University); CC for NS
SC	Westminster	96.7	WMYQ	PG>22.5kw/106m, 34-41-15/82-59-16
SC	Clemson	101.3	W267AD	PG>114w; PC; relays WSNW 1150; CL from Franklin, NC
SC	Darlington	98.3	W255BD	QC from 98.9, 35-24-43/80-36-42; relays WTIK 1410
SD	Sioux Falls	93.3	K221FO	QC from 92.1, 250w; relays KZOY 1520
SD	Pierre	105.1	KPGN-LP	QG from 104.7, -6m, 44-22-07/100-20-05
TN	Fairview	104.1	W281BU	QG from W273CU-102.5, 38w, 35-58-12/87-08-03; relays WDKN 1260; CL from Lawrenceburg
TN	Memphis	106.3	W292EL	PG>250w, 35-10-29/89-50-43; relays WHRK 97.1
TN	Nashville	105.1	W286CY	XG 36-14-07/86-45-18; relays WNVL 1240; CL from Coldwater, Miss.

TN	Walnut Hill	101.9	W270BN	PG>250w; relays WCQR-FM 88.3
TN	Waverly	93.5	W279CX	QC from 103.7, 250w, 36-05-15/87-51-18; relays WQMV 1060; CL from Columbia
TN	Calhoun	104.1	WCLE-FM	PC<2.2kw
TN	Nashville	101.5	WXNA-LP	NW 30m, 36-10-37/86-46-41 (WRVU Friends & Family)
TX	Huntsville	99.7	KVST	PG>17kw/122m, 30-36-03/95-29-02
TX	Palestine	91.1	K216FC	QG from K214EQ-90.7, 170w, 31-43-55/95-37-25; relays WJFM 88.5
TX	Sand Springs	97.3	K247AZ	XG 32-13-18/101-27-33; relays KLVW 90.5
TX	Tyler	92.5	KJID-LP	PG 39m
TX	Lefors	91.7	KBDW	QC from 91.5, 75m, 35-27-44/100-56-42
TX	Newcastle	100.5	KBLY	PG>98m, 33-05-51/98-38-42; CC for NS
TX	Conroe	95.3	K237FS	NW 40w/138m, 30-18-26/95-28-28; relays KHJK 103.7
TX	Kennedy-Karnes City	95.3	K237GJ	QG from K278BT-103.5, 250w, 28-51-05/97-52-47; relays KAML 990; CL from Hebronville
TX	Mexia	101.5	K268BQ	PC<7w, 32-00-30/96-31-27; relays KSUR 88.9
TX	Sand Springs	97.3	K247AZ	XC 32-13-18/101-27-33; relays KLVW 90.5
TX	South Padre Island	106.1	K291CF	NW 50w, 26-04-24/97-12-14; relays KBIC 105.7
TX	Stephenville	93.9	K283AJ	QC from 104.5, 250w, 32-10-59/98-17-12; relays KSTV 1510; CL from Snyder
TX	Tyler	95.7	K239CB	XG 32-22-30/95-16-10
TX	Shamrock	92.9	KSNZ	PC>25kw/100m, 35-23-59/100-14-15
TX	Luling	101.1	K266BW	PG<130w, 29-29-03/97-52-51
UT	Provo	92.9	K225AP	PG>65w, 40-16-50/111-56-06
UT	St. George	95.3	K237GA	XC 37-03-49/113-34-21; relays KCDC 102.3
VA	Culpeper	91.3	WARN	QC from 91.5, 13.5kw/161m, 38-44-27/77-50-10
VA	Winchester	91.1	WTRM	QC from 91.3, 75w/440m
VA	Charlottesville	103.1	W276DA	NW 100w, 37-59-06/78-28-48; relays WVAX 1450
VA	Harrisonburg	107.9	W300CN	NW 250w/472m, 38-23-36/78-46-14; relays WAZR 93.7
VA	Charlottesville	103.1	W276DA	NW 100w, 37-59-06/78-28-48; relays WVAX 1450
VA	Fredericksburg	91.5	W217BC	QC from 91.3
WA	Winthrop	93.9	K230BX	QG from K284BC-104.7, 250w, 46-01-25/118-21-17; relays KTEL 1490
WA	Rock Island	99.5	KQBG	CC from KAAP
WA	Chelan	105.5	K288GN	NW 2w/529m, 47-48-26/120-02-00; relays KORE-LP 99.1
WA	Olympia	107.3	K297BK	PC<13w
WA	Spokane	96.5	K234BU	QC from 94.7, 250w, 47-41-39/117-20-03; relays KTRW 630; CL from Ephrata
WA	Duvall	103.1	KAPY-LP	CC from KRDI-LP
WA	Central Park	98.5	KNBQ	PG>1.6kw/685m, 46-58-31/123-08-16
WA	Cle Elum	91.5	K218DF	PC>28w
WI	Viroqua	91.9	WDRT	PG>3kw/144m
WI	Baraboo	99.7	W259BC	XC 43-25-50/89-39-13
WI	Madison	104.7	W284CW	NW 250w, 43-10-10/89-15-38; relays WNWC 1190; CL from Ashland
WI	Oshkosh	98.7	W254CS	QC from 97.3, 210w, 44-01-40/88-37-39; relays WISS 1100
WI	Stevens Point	99.1	W272CN	QC from 102.3, 29w, 44-31-37/89-37-31; relays WLBL 930; CL from Ashland
WI	Eau Claire	106.3	W292EG	PG>43w, 44-48-00/91-27-56; relays WMEQ 880
WV	Bethany	88.1	WZUM-FM	CC from WYZR
WV	Kingwood	96.7	WKMM	PG>550w/241m, 39-27-25/79-35-26
WV	Hinton	98.3	W252DH	NW 50w, 37-42-53/80-57-09; relays WMTD 1380
WY	Jackson	94.5	K233CZ	NW 13w, 43-27-42/110-45-12; relays KJCV 1450

PHOTO NEWS



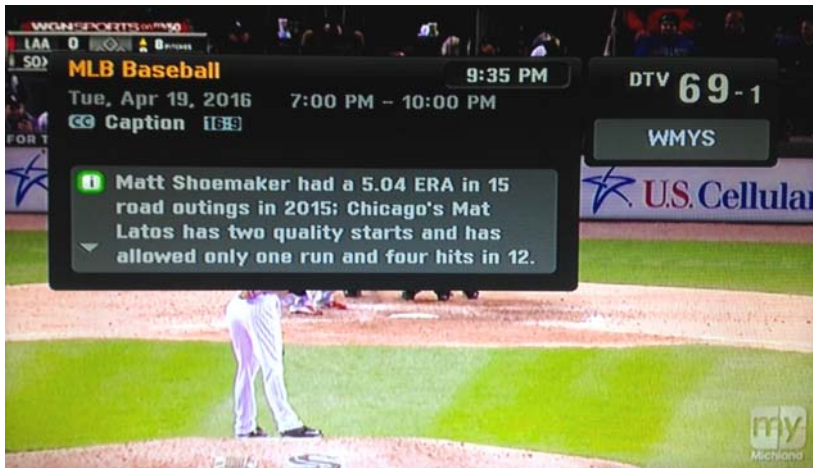
Jeff Kruszka
1909 Lost Lake Pl.
Pearland, TX 77581
jkruzka@sbcglobal.net

July 2016

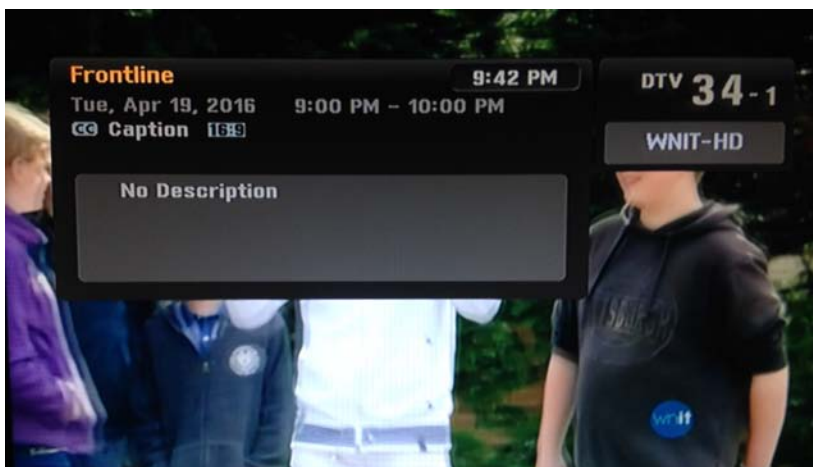
Great stuff from Andrew Knafel of Akron, OH.



WANE-31 Ft. Wayne, IN
176 mi Tr seen 4-19-16



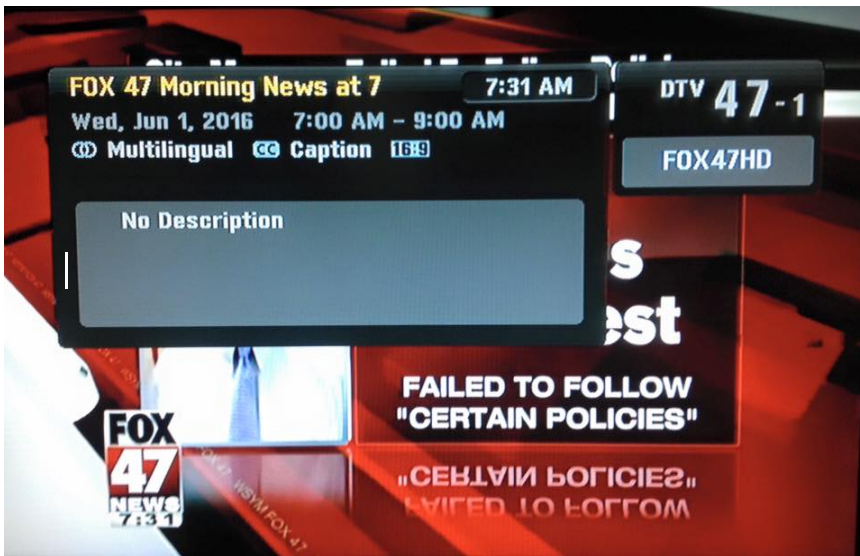
WMYS-LD-39 South Bend, IN
230 mi Tr seen 4-19-16



WNIT-35 South Bend, IN
230 mi Tr seen 4-19-16



CITY-2 Woodstock, ON
144 mi Tr seen 6-1-16



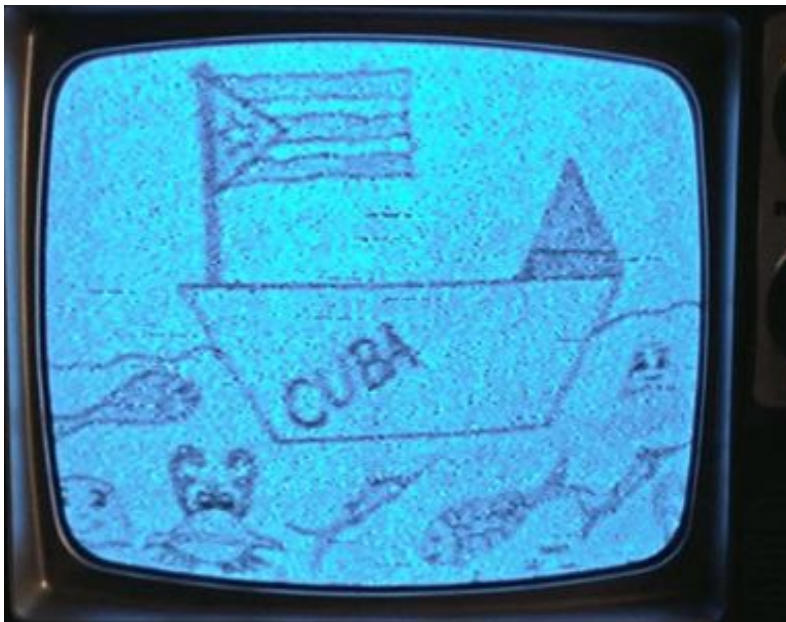
WSYM-38 Lansing, MI
184 mi Tr seen 6-1-16



WLBZ-2 Bangor, ME
701 mi Es seen 6-12-16



CJCB-4 Sydney, NS
1125 mi Es seen 6-12-16



Cubavision-3
Santa Clara, CUBA
1300 mi Es seen 5-26-16



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



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@wtfd.org

The Editor's Note

One word to describe the 2016 E-Skip season so far? Since this is a family publication – we will just leave it as a collective “meh”. After a very quiet month of May, activity notched upward around the 10th of June, but aside from a decent opening in the middle portion of the continent on the 20th, conditions have been disturbingly barren, even on 6 and 10 meters, let alone the VHF DTV low-band. It feels like we’ve bemoaned this before about recent Junes – 2013 and 2014 come to mind – but this one just ‘seems’ worse, with no opening at all so far this season to hang our hats on. DXer morale is at low levels.

All we can do is hope for an upturn come July. Tropo activity meanwhile has been increasing in the Midwest and plains as we’ve entered the latter half of June – we hope for more to keep the dials somewhat interesting. With the overall lack of propagation, we have been light on reports – but Dave Pomeroy out in the plains checks in with what he’s logged in the last year or so.

Dave Pomeroy

Topeka, KS

davepomeroy@sbcglobal.net

Hello Nick. Apparently it has been almost a year since I sent in a TV-DX report. The worst part is that what I have is a very short list. Skip and tropo pretty marginal. No DTV skip as of June 20. Here's what I have since August 2015.

August 2015

11 Tr	0715	KPTS-8	Hutchinson, KS
		KFXL-15	Lincoln, NE
		KAKE-10	Wichita, KS
0730		KNWA-50	Rogers, AK
		KSNF-46	Joplin, MO
		WTJR-32	Quincy, IL

December

25	0600	KOCW-14	Hoisington, KS
		KMEG-39	Sioux City, IA

KTIN-25 Ft. Dodge, IA

KHDS-51 Salina, KS

22, 38, 20, 45 Omaha, NE

KFXL-15 Lincoln, NE

KDSM-16 Des Moines, IA

KETM-17 Emporia, KS

(analog)

January 2016

5	0820	KDSM-16	KDMI-19	Des Moines, IA
		KETV-20		Omaha, NE

March

10	0800	KMIZ-17	Columbia, MO
		K45IO-45	Kansas City, MO
		KNLC-14	St. Louis, MO
		KHDS-51	Salina, KS
		KAJF-16*	Kansas City, MO
			(city of license: Topeka, KS)
11	0715	KNLC-14	St. Louis, MO
		KOZL-28	Springfield, MO

		KDOR-17	Bartlesville, OK
		KRSC-36	Claremore, OK
		K38AK-D 38	Ponca City, OK
	KWTV-39	KOCB-33	KSBI-23
			KTBO-15
			KOPX-50
			(Oklahoma City, OK)
	0730	KOTV-45	Tulsa, OK
	0815	KDCU-31	Derby, KS
	2130	KMIZ-17	Columbia, MO
May			
3	0700	KSPR-19	KOZL-28
			Springfield, MO
4	0645	KOZK-23	Springfield, MO
		KHIN-35	Red Oak, IA
	0650	KCWI-23	Ames, IA
	0730	KTVO-33	Kirkville, MO
	0800	KOOD-16	Bunker Hill, KS
		KOCW-14	Hoisington, KS
		KAAS-17	Salina, KS
13	0630	KHDS-51	Salina, KS
		KOCW-14	Hoisington, KS
	0645	WCCO-32	Minneapolis, MN
		KSIN-28	Sioux City, IA
		KCWI-23	Ames, IA
	0700	KTIN-25	Ft. Dodge, IA
	0730	WEAU-38	Eau Clair, WI
		KDCU-31	Derby, KS

		WOI-5	Ames, IA
		KCRG-9	Cedar Rapids, IA
16	0700	KCMN-LD 38	Kansas City, MO
			City of license: Topeka, KS
		KDMI-19	Des Moines, IA
		KCWI-23	Ames, IA
		WBXF-CD 28*	Des Moines, IA
		KWKB-25	Iowa City, IA
		KRIN-35	Waterloo, IA
		KDSM-16	Des Moines, IA
		KTVO-33	Kirkville, MO
		WTJR-32	Quincy, IL
		KCKS-25	Kansas City, KS
			City of license: Topeka, KS
		KMIZ-17	Columbia, MO
		K45IO-45	Kansas City, MO
19	0700	KSPR-19	Springfield, MO

Two more stations with their city of license Topeka, Kansas. Both are located in Kansas City, Missouri more than 60 miles east. When they are received here it is tropo caused. There is no meaning to the "city of license." The good thing is that the impact on tropo on these channels is minimal.

Madison-Milwaukee DX Get-together

The 23rd annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts returns to Madison this year, after the highly successful gathering in Oak Park, WI last year. This year's event will take place on Saturday August 20 from 1 to 9:30 PM CDT. For the third time in the get-together's history the venue will be a park, this time beautiful and spacious **Lake Farm County Park**, 4330 Libby Road Madison WI 53711. Your hosts will be WTFDA members Bill Dvorak and Mark Taylor.

This all-band event has for many years been a popular destination for Upper Midwest WTFDA members. To get a taste of last year's event, let us direct you to WTFDA member Dave Legler's Flickr album of it and see how many WTFDA members you recognize:

https://www.flickr.com/photos/dave_legler/sets/72157659027189280

For more information on this year's event, please e-mail Bill at dxerak@gmail.com or Mark at markokpik@gmail.com (please include "Madison DX Get-together" in the subject line) and we will send you an invitation containing all you need to know.

We hope to see you in Madison on August 20!

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.

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

January 17 Ms

1134	WPAS	89.1	Pascagoula	MS	Preacher, RDS PS: AMERICAN FAMILY RADIO / PI: WPAS 977
1241	WZKS*	104.1	Union	MS	RDS PI: WZKS 864

January 17 Tr

1240	WNKE	104.1	New Boston	OH	Calls "WNKY 89.7 and 104.1", into David Bowie documentary 349
1603	WDHT	102.9	Urbana	OH	R&B. "Hot 102.9 WDHT" 280

January 22 Es

1807	Unid	88.5	?	??	Hip-hop, RDS PI: bogus KWI, in for 5 min, beamed south, WRAS?
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January 22 Ms

1900	WCUG	88.5	Lumpkin	GA	Rock, RDS PS: WCUG / PI: bogus WEFE, again at 2150 823
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January 23 Ms

0858	WXVS	90.1	Waycross	GA	RDS PI: WXVS 856
1017	WLTR	91.3	Columbia	SC	TLK, RDS PS: WLTR 656
2059	WMPR	90.1	Jackson	MS	RDS PI: WMPR 915

January 23 Es

2355	WQCS	88.9	Fort Pierce	FL	CLA music, RDS PI: WQCS, in for about 5 min 1118
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January 24 Ms

0002	WJSU	88.5	Jackson	MS	Jazz, RDS PI: WJSU 911
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January 24 Es -MUF 91.3

1656	WRWA	88.7	Dothan	AL	School closings due to snow, HD 3 CH: TROY-3 884
1700	WJWV	90.9	Fort Gaines	GA	Legal ID, RDS PS: WJWV FM / PI: bogus WLA
1723	WUWF	88.1	Pensacola	FL	TLK, HD 959
1724	WTSU	89.9	Montgomery	AL	HD 3 CH: TROY-3, //WRWA-88.7 833

January 30 Ms

1134	KKWK	100.1	Cameron	MO	Ad mentioning Cameron, into girls' BKB game. Check of stream proved to be them
1300	KJWR	90.9	Windom	MN	RDS PS: KJWR-FM 683

January 30 Tr

1229	WRHN	100.1	Rhineland	WI	Weak scatter, "Jack FM" 411
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February 06 Ms

1207	KMJM*	100.3	Bridgeton	MO	"...100.3 The Beat..." 572
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February 07 Ms

1242	KKWK	100.1	Cameron	MO	"...randycurnowchevrolet.com...", web search shows in Cameron, MO, again at
1244					"...of northwest Missouri..." 696

February 07 Tr

1333 WSJP 100.1 Port Washington WI Weak scatter, "Catholic radio to start your day, Relevant Radio" 324

February 12 Tr

2138 WFCV 100.1 Bluffton IN Preacher //stream 265

February 13 Ms

0222 KOMC 100.1 Cameron City MO "...on My FM..." 792
0751 Unid 100.1 ? ?? RDS PI: bogus KMVP / PTY: Adult Hits, beamed west
1606 WZEW 92.1 Fairhope AL RDS PI: WZEW 972

February 19 Ms

2031 KWFX 100.1 Woodward OK C&W, RDS PI: KWFX 1072

February 27 Tr

2240 WBEZ 91.5 Chicago IL Legal ID 331

March 05 Ms

1052 KMUW 89.1 Wichita KS Car Talk, RDS PI: bogus KMTV 929
1111 KBBN 95.3 Broken Bow NE Snippits of HS BKB game, one team being Sandhills Thedford. Web/stream proved to be KBBN 944
search
1357 KQWC* 95.7 Webster City IA RDS PI: KQWC 625
1336 WKBU 95.7 New Orleans LA RDS PI: WKBU 1054
1627 CBW 98.3 Winnipeg MB Talk //stream 867
2256 KRNE 91.5 Merriman NE RDS PS: KRNE-FM / PI: KRNE / PTY: Public, previous Es 1019
2313 WUAL 91.5 Tuscaloosa AL Dual burst with KRNE!, RDS PS: KRNE / PI: WUAL, previous Es 792

March 12 Tr

1345 WBEZ 91.5 Chicago IL TLK to legal ID at TOH, RDS PI: WBEZ 331
1409 WMBI 90.1 Chicago IL Moody REL, RDS PI: WMBI 349
1417 WPWX 92.3 Hammond IN Hip-hop, "Power 92" 334
1428 WOJO 105.1 Evanston IL Chicago area ads in Spanish 331
1432 WPPN 106.7 Des Plaines IL Chicago area ads in Spanish 343

1428	WLS	94.7	Chicago	IL	Classic rock, "Chicago's Classic Hits WLS"
1443	{WEBG}	95.5	Chicago	IL	C&W, "Chicago's Big 95.5", ex WNUA 331
1447	WBBM	96.3	Chicago	IL	Justin Beiber song, calls, poor 332
1500	WUSN	99.5	Chicago	IL	C&W, "US 99.5", legal ID 331

March 12 Ms

2334	KXGT	98.3	Carrington	ND	RDS PI: bog WFJ 883
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March 15 Ms

2148	WCUG	88.5	Lumpkin	GA	Rock, RDS PS: WCUG / PI: bogus WFEF 823
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March 20 Tr

1100	WHKO	99.1	Dayton	OH	C&W, "K-99", legal ID 302
1516	WBEZ	91.5	Chicago	IL	TLK, calls 331

March 20 Ms

1222	KANU	91.5	Lawrence	KS	TLK, RDS PI: KANU / PTY: Public, previous Es 782
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March 28 Ms

0946	KXGT	98.3	Carrington	ND	RDS PS: artist/song / PI: bog WFJ, again at 0950 and 1012 883
0947	KBOC	98.3	Bridgeport	TX	Spanish, RDS PI: KBOC, again at 0952 1110
0956	KATR	98.3	Otis	CO	Phone # for business in nearby Wiggins, previous Es 1121
1019	KQZQ	98.3	Kiowa	KS	"...Central Kansas Bone and Joint Centre in Pratt and Dodge City,,," 992
1047	KMXN	92.9	Osage City	KS	C&W, RDS PI: KMXN 803
1150	KSPW	96.5	Sparta	MO	Part of ad, RDS PI: KSPW 771
1152	KNWC	96.5	Sioux Falls	SD	C&W, RDS PI: KNWC 752
1501	KTLI*	99.1	El Dorado	KS	RDS PI: KTLI 898

March 28 Tr

1010	WCXT	98.3	Hartford	MI	Ads, "Coast FM" 261
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March 29 Ms

1557 WCUG 88.5 Lumpkin GA RDS PI: bogus WFEF 823

March 31 Ms

1843 KZTH 88.5 Piedmont OK REL: AC, RDS PI: KZTH 1045

March 31 Tr

1853 WJYW 88.9 Union City IN REL: AC, "Star 88.3" 290

April 02 Ms

1038 KERX 95.3 Paris AR RDS PI: KERX 880
1205 KYKC 100.1 Byng OK C&W, RDS PS: artist/song / PI: KYKC 1013
1802 KZCR* 103.3 Fergus Falls MN AC/DC tune, RDS PI: KZCR 743

April 02 Tr

1746 WGLX* 103.3 Wisconsin Rapids WI Briefly with calls, AC music 419
1027 WIMK 93.1 Iron Mountain MI Weather report, "93 Rock" 354

April 03 Tr

1005 WDEZ 101.9 Wausau WI Briefly with Sunday morning polka show,
legal ID 414

April 03 Ms

1011 KRWK 101.9 Fargo ND AC music, RDS PI: KRWK, 15 ec burst 796

April 08 Ms

1959 WONU 89.7 Kankakee IL Legal ID, "Shine FM" 365
2050 WUWM 89.7 Milwaukee WI Underwriters list, calls 322

April 09 Ms

1044 KMUW 89.1 Wichita KS "Car Talk", RDS PS: KMUW / PI: bogus
KMTV, again at 1107 929
1111 KUAR 89.1 Little Rock AR RDS PS: KUAR 844

Harry Hayes – Wilkes-Barre, PA

Equipment: FM-6 on tripod in attic, Sony XDR-F1HD receiver, portable cassette recorder and digital camera for RDS

Apr 28 Es

KRRQ	1220	95.5	Lafayette	LA	"Q-95.5"
KTDY	1223	99.9	Lafayette	LA	Call ID, New music
WUSJ	1230	96.3	Madison	MS	"US 96.3" country
KZMZ	1237	96.9	Alexandria	LA	"Your Classic Rock Station, KZMZ"
WMAO	1245	90.9	Greenwood	MS	"This is MPB, Think Radio"
WTCD	1254	96.9	Indianola	MS	"Super Talk Mississippi", Local talk show
KNBB	1300	97.7	Ruston	LA	Call ID, "Ruston, Monroe ESPN", New

May 26 Es

KMDL	1600	97.3	Kaplan	LA	Call ID, "The Dawg" country, New
WFMM	1608	97.3	Flora	MS	ID, "Super Talk Mississippi", New
KTDY	1623	99.9	Lafayette	LA	ID

Jun 2 Tr

WPLJ	0805	95.5	New York	NY	ID, fair, "New York's PLJ" 125mi.
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Jun 8 Es

KSCS	2050	96.3	Ft. Worth	TX	ID, country
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Mike Bugaj – 69 Sherman Road – Enfield, CT 06082

All stations in this report heard on SDRPlay and an APS-13.

4/28/2016

1225	KTSR	92.1	Dequincy	LA	4411	Top40Kiss FM
1235	KQXY	94.1	Beaumont	TX	3CAE	Top40Q94 today's music
1240	KRLQ	94.1	Hodge	LA		Your home in the country, Q94.1
1244	WMAO	90.9	Greenwood	MS	7893	MPB Think Radio

1253	WKXY	92.1	Merigold	MS		The Delta's best country Kix92.1
1253	WUMS	92.1	University	MS		Rebel Radio
1256	KRUF	94.5	Shreveport	LA	F000	R/T= online@k945.com
1256	KGRM	91.5	Grambling	LA	219E	
1259	KRTG	88.3	Carthage	TX	KHCB	- Keeping Him Close By
1259	WAFR	88.3	Tupelo	MS		calls
1300	KFLO	89.1	Blanchard	LA		Miracle 89.1
1300	WEBL	95.3	Coldwater	MS		the Rebel, country
1300	KLHV	89.5	Cotton Valley	LA	2DD7	Pledge drive
1301	KRWR	92.1	Tyler	TX		Eric Sullivan at CBS19, sports
1315	WLFP	94.1	Germantown	TN	7245	Country 94-1 the Wolf, mymemphiskitchen.com
1319	Unid	92.1				Spanish, Regional Mexican? Ranchero music
1319	KHKN	94.9	Maumelle	AR	138D	Little Rock's Greatest Hits
1324	KDQN	92.1	DeQueen	AR		AR news, local businesses mentioned

4/30/2016

GW

xxxx	W287CS	105.3	Manchester	CT		Spanish xltr for WNEZ-1230, local thru 105.5 IBOC
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5/9/2016

GW

1530	W277CE	103.3	Montville	CT		multi-IDs WCSE-LP 100.1 and others
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5/25/2016

1600	KSMB	94.5	Lafayette	LA	40c1	
1604	KTSR	92.1	DeQuincy	LA	4411	
1612	KUHF	88.7	Houston	TX	458b	News Ps=NEWS88.7, new logging
1620	KTXK	91.5	Texarkana	TX		Fresh Air program, new logging
1645	KLUV	98.7	Dallas	TX	2f29	visitsanantonio.com spot plus call letters.
1652	KHKN	94.8	Maumelle	AR	138d	
1656	KKPT	94.1	Little Rock	AR		The Point

6/8/2016

2007	KTSR	92.1	DeQuincy	LA	4411	
2009	KSMB	94.5	Baker	LA	40C1	Top 40
2012	WERH	92.1	Hamilton	AL		Country 92
2018	WLBF	89.1	Montgomery	AL	71D3	Religion
2018	WPAS	89.1	Pascagoula	MS	7C56	Rel Music

2025	WHOD	94.5	Jackson	AL	6893	PS=WHOD
2026	WTIX	94.3	Galliano	LA	87BB	Oldies
2027	WZEW	92.1	Fairhope	AL	972A	Rock
2032	KQXY	94.1	Beaumont	TX	3CAE	Top 40
2034	KLNO	94.1	Ft. Worth	TX	2E6C	Language Spanish (1496 mi)
2035	WZBQ	94.1	Carrolton	GA	96D6	
2042	WJKK	97.5	Jackson	MS	6D7A	
2044	WWMS	97.5	Oxford	MS	A90A	Country
2048	WJDJ	105.1	Kosciusko	MS		The River
2050	KESN	103.3	Allen	TX	1C71	Sports PS=ESPN (1450 mi)
2058	KSOC	94.5	Gainesville	TX	A4F6	R&B BOOM 94.5 (1455 mi)

6/13/2016

1207	WZEW	92.1	Fairhope	AL	972A	r/t The Sound of Mobile
1208	WMEZ	94.1	Pensacola	FL	74d9	Pty says Classic Rock not soft rock
1209	WHOD	94.5	Jackson	AL	6893	PS= WHOD
1214	WOTB	88.7	Pearl River	LA	0000	PS=BRIDGE
1214	WPAS	89.1	Pascagoula	MS	7c56	Prt=Rel Music
1207	WKSJ	94.9	Mobile	AL	17ed	Pty=Country PS=95KSJ
1208	WFLF	94.5	Parker	FL	62ff	Pty=News
1208	WTIX	94.3	Galliano	LA	87bb	Oldies
1208	WECQ	92.1	Destin	FL	5f7c	Pty=top 40
1208	WMAW	88.1	Meridian	MS	75eb	PS=MPB88.1 Pty=Public
1209	WJZD	94.5	Long Beach	MS		JZ94.5 the Peoples Station
1211	Unid	92.3				Positive I heard Nash 92-3 but NO is no longer Nash??
1218	WFSQ	91.5	Tallahassee	FL	63co	Pty=classical
1618	WFRU	90.1	Quincy	FL	639b	WFRF's PI Code used also with WFRU
1223	WGUE	94.9	Reserve	LA		Gumbo 94.9
1226	WQUE	93.3	New Orleans	LA		I Heart Media in NO looking for help
1337	KSMB	94.5	Lafayette	LA	40C1	
1339	KRVS	88.7	Lafayette	LA	3f18	no Pty, Rtext =KRVS PUBLIC MEDIA
1340	WLBF	89.1	Montgomery	AL	71d3	
1341	WRLD	95.3	Valley	AL	82ad	The Valley's Greatest Hits
1343	WOWB	90.9	Brewton	AL	7bdd	Pty=Rel Music
1344	WMVW	91.7	PeachTree City	GA	768f	PS=NEWLIFE FM using WMVV's PI code
1344	WMPR	90.1	Jackson	MS	75ef	PS=MPR90.1FM THE VOICE OF THE COMMUNITY
1751	KTSR	92.1	DeQuincy	LA	4411	mentioned Lake Charles
1351	WABE	90.1	Atlanta	GA	54c6	Pty=Public
1359	WAPR	88.3	Selma	AL		Alabama Public Radio + multiple callsigns

FCC Advisors Tackle Noise Floor Issues

Written by Susan Ashworth for *RadioWorld* [June 21, 2016]

Source: <http://www.radioworld.com/article/fcc-advisors-tackle-noise-floor-issues/279077>



It will come as a surprise to absolutely no one reading this that there's a radio noise spectrum problem. Will a new effort at the Federal Communication Commission bring real improvement?

The commission's Technological Advisory Council is finally set to investigate changes and trends to the radio spectrum noise floor to determine several key issues: whether there is an increasing noise problem; the scope and quantitative evidence of such problems; and how a noise study should be performed.

This is not a broadcast-specific initiative but we at Radio World are betting that radio broadcasters are going to speak up, based on all the comments about noise floor problems in the recent FCC AM revitalization proceeding. The Society of Broadcast Engineers [pleaded recently](#) with the FCC to launch an interference management plan for the AM band. And noise concerns are not limited to the AM band either (read a 2009 article for [just one example of past discussion](#) about these issues).

A notice of inquiry released by the commission's Office of Engineering and Technology on June 15 opens the door for anyone involved in broadcast, public communications, amateur radio or the telecom industries to provide documented evidence of noise interference concerns.

The council is seeking comments and answers to questions about radio spectrum noise, a move that is being seen by the industry as a welcome first step.

Among those calling attention to the initiative is Tom King, president/CEO of equipment manufacturer Kintronic Labs, who has been an [active voice on AM revitalization issues](#).

"I cannot emphasize too strongly the opportunity that this NOI presents to AM, FM and TV broadcasters to submit to the FCC TAC well-documented measurements of noise interference that is adversely impacting the reception of their broadcast services," said King.

"The TAC will be using the response to this NOI to help define realizable goals for the new Spectral Noise Study Group within the TAC to pursue, and ultimately to lead to recommendations for possible changes in the Part 15 rules as well as enhanced regulatory action that will be presented to the FCC chairman."

The TAC is an advisory group to the FCC operating under the Federal Advisory Committee Act. Specifically, this Noise Floor Technical Inquiry will ask for public input on spectrum noise floor — particularly unwanted radio frequency energy from man-made sources — and how those noises have evolved over the past 20 years.

Another veteran engineering observer said it's about time. "It looks like there might be a small glimmer of hope that the commission is taking the issue of radio noise seriously," said Steve Johnston, director of engineering and operations for Wisconsin Public Radio, who has talked publicly about how [noise affects the FM dial](#) as well.

The commission said that although the correlation has been made between rising noise floor in the radio spectrum and the growing number of devices that emit radio energy, the commission has found limited available quantitative data to support the presumption.

As a result, the council will look at number of noise categories including incidental radiators, which are defined as devices like electric motors, light dimmers and power lines; unintentional radiators, such as computers, portable electronic devices and hig-efficiency lights; licensed / unlicensed intentional radiators, which are those devices designed to generate and emit RF energy by radiation or induction like cellular phones, wireless routers and Bluetooth devices; and ISM radiators, which include industrial, scientific and medical radiators like microwave ovens and fluorescent lighting.

The council is hoping to get a host of questions answered as part of the inquiry, including the extent of the problem during daylight hours versus during the night, how noise can be distinguished from signals, and how a proper noise study should be performed.

King suggested that stations with Potomac Instruments FIM Series field intensity meters for use in the AM, FM or TV bands consider conducting measurements of known RF emission sources in the respective bands to quantify the level of noise being contributed. “[That’s] one example of measured data that can be submitted in response to this NOI,” he said.

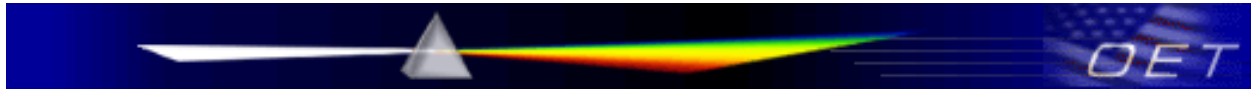
Comments are being accepted through Aug. 11, 2016, using the commission’s Electronic Comment Filing System website, which sports a newly streamlined look. [File comments under docket number 16-191.](#)



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.					
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
Orionids (ORI)	Aug 25-Nov 19	Oct 22	208.9°	06:24	+15.5°	67.1	2.5	15	0500	21
Leonids (LEO)	Nov 05-Dec 03	Nov 18	236.1°	10:17	+21.5°	69.7	2.5	15	0500	18
Geminids (GEM)	Nov 30-Dec 17	Dec 13	261°5	07:33	+32.4°	33.7	2.6	120	0100	13
Ursids (URS)	Dec 17-Dec 24	Dec 22	270°7	14:30	+74.8°	32.6	3.0	10	0500	01



**Federal Communications Commission
Office of Engineering and Technology
Laboratory Division**

June 17, 2016

RADIO FREQUENCY LED LIGHTING PRODUCTS

INTRODUCTION

Radio frequency (RF) light-emitting diode (LED) lighting products are subject to FCC rules to ensure that devices do not cause harmful interference to radiocommunications services.¹ This KDB publication clarifies how the FCC rules apply to these products, and outlines manufacturers' responsibilities for controlling interference. This publication does not address older legacy lighting technologies such as incandescent, fluorescent, and high intensity discharge (HID) lighting products.²

For the purpose of this publication, the term RF LED lighting is used for a device which has the primary function of generating light by electrically powering semiconductor materials. Such light generation is commonly intended for general illumination, and also includes other applications such as traffic signaling, roadway lighting, manufacturing processes, agriculture, etc. RF LED lighting devices intentionally generate RF energy via electronic power conversion or digital circuitry, but are not intended to radiate RF energy by radiation or induction and thus they are classified as unintentional radiators according to the FCC rules.³ RF LED lighting products today employ single or multiple LED chips, but can also include organic LEDs (OLEDs), polymer OLEDs, quantum dots, etc.

In most cases, RF LED lighting devices employ either an independent or an integrated electronic driver that operates at RF frequencies similar to those used in digital electronic products. As such, RF LED lighting devices are subject to the Part 15 rules for unintentional radiators, and are subject to the "verification" equipment authorization procedure. These devices are required to meet the line-conducted and radiated emissions limits in Sections 15.107 and 15.109, respectively.

With this KDB publication, we further clarify that RF LED lighting devices are subject to Section 15.109 radiated emission limits from 30 MHz to 1000 MHz to ensure overall compliance with radiated emissions requirements.

¹ See 47 CFR. § 15.3(m).

² Other lighting devices, such as fluorescent lighting devices, and LED retro-fit tubes intended to replace linear fluorescent tubes operated by RF ballasts, are subject to compliance with Part 18 and are not addressed in this guidance document. Incandescent lamps are not considered RF devices. Also, LED lamps powered by internal direct current (DC) power sources, without RF circuitry (operating at greater than 9 kHz), with a passive LED array load and delivering only DC current to LEDs, are not considered RF devices. Large LED digital displays are considered digital-device peripheral devices subject to FCC Part 15.

³ For definitions of LED lighting products, see, e.g., Energy Star® Program Requirements, Product Specification for Luminaires, https://www.energystar.gov/products/spec/luminaires_specification_version_2_0_pd and ANSI/IES RP-16-10.

GENERAL CONDITIONS OF OPERATION

Operation of Part 15 unintentional radiators is subject to the condition that no harmful interference is caused.⁴ Manufacturers and users should therefore note that lighting devices are required to cease operation if harmful interference occurs.⁵

To help mitigate interference from lighting devices into authorized radio services, responsible parties are encouraged to: use good engineering design and construction techniques, to meet and even exceed the required attenuation of unwanted emissions; extend compliance testing beyond the frequency range guidance traditionally required; and provide suggested interference mitigation techniques to users on how to resolve harmful interference problems.⁶

MEASUREMENT GUIDANCE

Measurement Procedure. The AC power line conducted emissions and radiated emissions from the RF LED lighting device are to be measured in accordance with the procedures in ANSI C63.4-2014.⁷

Frequency Range of Radiated Emissions Measurements. Radiated emissions measurements shall be performed over the range of frequencies as specified in Section 15.33(b). We have found that in many interference cases involving RF LED lighting devices, the specified operating frequency of the lighting device is not consistent with the actual emissions, given the “broadband” nature of the radiated and conducted emissions generated by the device.

We recognize that Section 15.33(b) specifies when routine radiated emissions measurements are needed based on the highest frequency generated or used in the device. When the device’s internal frequency is less than 1.705 MHz, the rules stipulate the necessity to perform radiated emissions measurements only up to 30 MHz. However, we have found that emissions from RF LED lighting devices are non-periodic, broadband in nature, and are produced as a byproduct of the internal driver circuitry within the RF LED lighting device. These types of broadband, non-periodic emissions have adequate energy and potential to generate radiated emissions well above 30 MHz.

Accordingly, this guidance clarifies that all RF LED lighting devices, even those that have been considered to operate on frequencies below 1.705 MHz in the past, are required to have radiated emissions measurements performed at a minimum from 30 MHz to 1000 MHz, to adequately demonstrate compliance with the Section 15.109 radiated emission limits.

⁴ See 47 CFR § 15.5.

⁵ For devices subject to the verification procedure, the manufacturer, or in the case of imported equipment, the importer, is responsible for ensuring compliance. See 47 CFR § 2.909(b).

⁶ See 47 CFR § 15.15.

⁷ ANSI-ASC C63®-Electromagnetic Compatibility standards development committee has a project to develop measurement procedures for lighting devices (C63.29). When complete, we expect it will address in greater detail the measurement procedures and configurations to be used in determining compliance. See: http://www.c63.org/documents/misc/matrix/c63_standards.htm

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Fred Nordquist, 147 Travis Hill Road, Moncks Corner, SC
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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

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Chris Cerventez, webmaster
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