



# VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

OCTOBER 2022



market in Sept 2022

## Back when she was in Ft. Lauderdale

As seen at the Brimfield MA Antique Shows in September 2022

# THE VHF-UHF DIGEST

## The Worldwide TV-FM DX Association

Serving the TV, FM, 30-50mhz Utility and Weather Radio DXer since 1968

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: KEITH MCGINNIS, JAMES THOMAS, NICK LANGAN, MIKE BUGAJ AND JON KLINGERMAN



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# The Mailbox

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**OCTOBER 2022**



**THE HURRICANE.** Hurricane Ian came ashore on Sept 29<sup>th</sup> on the west coast of Florida in the Ft. Myers area and devastated Florida from the coast to Orlando and then northeastward to the east coast where it turned back into South Carolina. Many WTFDAers are impacted by this storm, some severely and some to a lesser extent. We want all 13 of you to know we're thinking of you. We hope you are well. We hope that the damage in the towns you live in was not too severe. And we know that Dxing is the last thing on your minds right now, which is the way it should be.

Renewals were received in September from Dennis Dura, Jeff Lehmann, Danny Buntin, Curtis Sadowski, Todd Brandenburg, Mathew Amador, Bill Swiger and Rick Lewis. We welcome new members Mike King (MD) and Patrick Martin (OR). Pat is a well kown AM Dxr who is trying FM again with the help of Les Rayburn. Welcome to the both of you!

I received an email recently from Bob Cooper informing me of the passing of one James Gould of Kokomo, IN back in 2020. Jim was an analog TV Dxr whose accomplishments were documented in DX Horizons. Many of you old timers will recognize the name. Jim was also in the WTFDA for a while and a photo of his home and tower installation made it to the cover of the VHF-UHF Digest back in October of 2002. Go to the archives at the WTFDA website ([wtfda.org](http://wtfda.org)) and stare in amazement. Here is the obit that Bob sent:

James Howard Gould, 82, of Kokomo, Indiana, passed away on Wednesday, April 22, 2020. He was born on April 10, 1938, the son of Gray K. and Jean (Dyer) Gould. He married Betty (Preston) Gould, who survives. James graduated from Clay Township in 1955. Directly out of high school he joined the U.S. Air Force and served until 1958. He began working in 1960 at Delco Electronics, where he hired in as a lab technician and elevated to electronic engineer until the time of retirement after 35 years of service. He was very well known for his ability to fix all kinds of electronics, including television repair in his spare time. One of his hobbies was **TV DXing**. James enjoyed spending time with his children and all of his grandchildren and his great-grandchild.  
-Bob Cooper

And last but not least, John Jefferson (Madras, OR) emailed in some information from his local area. John wrote: "K295DB is on the air. At first I thought it was a neighbor's illegally-high-powered WIFI because the "music" is so awful - a mixture of nauseous rock and rap with religious words. What clued me in that it was the xlator was an outage tonight at KKJA 89.9 Redmond. 106.9 was suddenly silent. When KKJA returned, the noise returned. At 2100 the identification was KKJA-HD2, The Effect. KKJA's digital nimbus is weak enough that I hadn't noticed it was there, but once I actually checked I could tell it really is there.

Both KLOO 106.3 Corvallis and KHPE 107.9 Albany have xmitter problems and are presumably using low-power auxiliaries. I can hear something too weak to identify on 106.3 here at the house. Two blocks away (and over a slight hill) the car radio picks up something that might be identifiable if it were worth stopping to listen. I don't hear anything on 107.9 here; in the car there is some bleedthrough from 107.7.

KWRX 88.5 Redmond and KJIV 96.5 Madras are still in mono.

As a result of KHPE's absence I've finally logged KXLT 107.9 Eagle ID via tropo, once with a PSA for Idaho's schools and later with a reference to Treasure Valley (which is the Boise area). With the unwelcome xlator, that gives me 43 loggings for the year and 1090 for Madras. Last year produced 90 loggings, by contrast. Barring some November or December skip this will be my worst year here despite 6 loggings on 102.5 and 7 on 102.7 due to KGBZ-LP 102.5 Madras going silent and KSJJ 102.9 Redmond being on reduced power for several months. Without those, 30 loggings...

KHPE-107.9. (9/20)They're back at normal power. (9/28) KLOO 106.3 Corvallis is back to normal power, meaning they're strong enough to trigger stereo mode. But there is distortion due to multipath. That's to be expected given there's a mountain range in the way. And KWSO 91.9's digital nimbus is back. The local band seems back to normal (1st time since last November) except for KGBZ-LP 102.5 Madras still being silent. - John Jefferson, Madras Oregon."

That is about it for this month. If you like to talk about your loggings but DX reports are out of the question for you, just send us an email and tell us what's going on at your place. This is a good place to gab. We will see you all next month. And let's hope, no more hurricanes. Welcome to Autumn. -Mike



# THE MONTHLY DX ROUNDUP

October 2022 - Nick Langan, Tabernacle, NJ – [nickl@wtfda.org](mailto:nickl@wtfda.org) (717)685-9785

## 5 DX LOGS WE SALUTE

**9/8 Tr:** 93.3 WIZM La Crosse, WI (Bill Coury, Ypsilanti, MI @ 408 mi.)

**9/8 Tr:** 99.1 WIKB Iron River, MI (Josh, Mountain Home, AR @ 700 mi.)

**9/15 Tr:** WNYW-DT-27 New York City, NY (Bill Hepburn, Grimsby, ON @ 332 mi.)

**9/30 Tr:** 88.1 K201EN Everett, WA (Patrick Martin, Warrenton, OR @ 165 mi.)

**10/1 Tr:** WFBD-DT-29 Destin, FL (Steve Rich, Payson, IL @ 666 mi.)

If you have a suggestion for inclusion in the Monthly DX Roundup, please email me at [nickl@wtfda.org](mailto:nickl@wtfda.org).

## TV DX HIGHLIGHTS

We're back with a full column for October! We wouldn't characterize the September tropo across the continent as anything spectacular, but as the month often brings, some long-haul ducting did show up and we attempt to summarize via WLogger reports. Digital TV tropo reports simply don't seem as plentiful since the repack, but Steve Rich's Illinois autologger sites continue to be a useful bellwether, including as we write this on the morning of October 1, when his Payson, IL autologger site decoded WFBD-DT-29 Destin, FL at 666 miles.

Bill Hepburn's DTV setup also always does well in lake-enhanced tropo during the Fall months, and he had a decode from WNYW-DT-27 New York City at 332 miles on the 15th of September, a rare path.

## FM DX HIGHLIGHTS

Did we mention Steve Rich's TV autologging prowess? What about FM? We were thrilled to see that he fired up a RabbitEars.Info FM autologger from Milford late in August. Even in underwhelming conditions, the setup seems to be doing quite nicely.

Josh in Mountain Home, AR always impresses us with his logs, and he cashed in on tropo on the 9<sup>th</sup> of September, with as far as 93.7 KXXR Minneapolis at 602 mi.

## LOOKING AHEAD

In most places east of the Rockies, it's starting to legitimately feel like Autumn weather-wise, and as such, tropo chances start to retreat southward. Even for those in the north, however, October can be a wildcard, so keep an eye or ear to the dials.



# MERCHANDISE STORE



It's here! Now you can show off your club pride by ordering a WTFDA logo shirt from the brand new WTFDA Merchandise Store. We're proud to launch the store with a variety of 125 different shirt styles, notebooks for your logs, and unique wall clocks for your DX shack!



Even more products will be arriving soon, so make sure to check back often to see what's new. You will also be helping support the club as a portion of sales goes to the WTFDA.

The store can be found at <https://www.redbubble.com/people/wtfda/shop?artistUserName=wtfda>

Any questions, comments, or feedback can be directed to [store@wtfda.org](mailto:store@wtfda.org)

# Lucky 7 TV

Posted on the TV&FMDX FB group by Rich McVicar

In April 1978, a pirate television station aired for three nights from April 14th-April 16th on VHF channel 7, an unoccupied frequency in Syracuse. This was believed to be the first ever instance of an unauthorized television station in American history. Who or whomever was behind the station illegally aired episodes of television shows such as *The Twilight Zone*, movies such as *One Flew Over the Cuckoo's Nest* and various adult films. A man with a gas mask and a noose around his neck was seen onscreen occasionally, editorializing, telling jokes and bragging about the station's capabilities. The onair personality stated that "Lucky 7 reaches about half of the Syracuse area." The station even had an identification video, showing a pair of dice rolling to seven, with a choir singing in the background. The story made national headlines and was featured in the *Associated Press*, the *New York Times* and more. The FCC launched an investigation into the incident but found nothing. No footage of the Lucky 7 Channel is known to exist. Many theorize that this was the work of Syracuse University students as the signal was clearest in and around the campus area. It is also believed that the identification video was recorded at Syracuse's School of Music inside the Crouse College Building.



## *FCC Expect 'Lucky 7' Lying Low*

By JAMES EHMANN

An FCC spokesman said Monday that media publicity of "Lucky 7" would make it hard to catch the renegade broadcasters who brought "Rocky" and "Deep Throat" to Syracuse television viewers during the weekend.

"They'll probably lay low for a while," said John L. Theimer, engineer in charge of the regional offices of the Federal Communications Commission at Buffalo.

Theimer noted that the Syracuse experience is the first, to his knowledge, in which independents have managed to pirate a television channel. "Amateur radio operators do it sometimes" with radio frequencies, he said, "but this is the first time I've heard of it on television."

Unlicensed use of a TV channel is a federal offense, Theimer added. It carries penalties of \$10,000 in fines or a year in jail, or both, he said.

Though the engineer knew of no other channel commandeering by broadcast rascallions, local licensed broadcasters said taking such control is not hard. It is not even very expensive, "with a little technical savvy," according to WIXT Channel 9 news director Dan Patrick.

Patrick said that all an individual would need for an operation like "Lucky 7" would be a source of video, such as a commercially available video cassette player; a "tiny little box" to modulate the broadcast frequency to a given channel's frequency; and an antenna.

"A good receiving antenna, a good yagi antenna, would do the job if you could mount it up high enough," he said. A yagi antenna is a directional radio and television antenna consisting of a horizontal conductor with several insulated dipoles parallel to and in the plane of the conductor.

Locally, he added, "I can think of any number of dormitories that are high enough."

The tiny little box, he said, is a distribution modulator and is available commercially for less than \$1,000. He noted, however, that a broadcaster "with a little technical savvy" could cut costs by building a modulator himself. "It wouldn't be hard," he said.

Something you will never experience with DTV.

# Canada's Stingray Becomes First Broadcaster Outside U.S. To Embrace MaxxCasting.

Updated April 20, 2022



The radio industry continues to embrace a new technological twist that is helping to extend FM's broad reach into a market even further. After rolling out MaxxCasting in cities including Los Angeles, Chicago, San Francisco and San Diego, developer GeoBroadcast Solutions is finding good reception in Canada.

After striking a deal in January with Quebec-based Octave Communications to market MaxxCasting to stations north of the border, station owner Stingray has announced it will be the first Canadian user of the technology.

MaxxCasting combines radio and cellular technology with GBS' patented designs that enable FM stations to enhance their signals with the deployment of a strategically-located cluster of low to the ground, highly directionalized synchronized booster sites. The result is a more robust FM radio signal that reaches a broader portion of the station's service area without any new equipment needed by listeners.

"Our biggest challenge has been broadcasting into areas within the predicted contour that the signal wasn't covering," said Chris Maclaurin, Engineering Director at Stingray. "Our engineering consultants, Octave Communications, introduced us to the MaxxCasting solution and we are excited to strike this partnership and be able to be the first in Canada to deploy the system and address coverage improvements in the cities we serve."

Stingray has not said which stations will deploy MaxxCasting. The Montreal-based company operates more than 100 radio stations across Canada. With the deployment of MaxxCasting, the company says its signal enhancements can reach growing neighborhoods in the country's largest cities and smallest towns coast-to-coast from Vancouver to St. John's.



“Our long-term relationship with Stingray and understanding of what they needed to reach more listeners led to our recommendation that MaxxCasting would be the best solution to further its signal to the outlying suburbs of the city,” said Octave President Francois Gauthier in the announcement.

The MaxxCasting broadcasting architecture offers an alternative to the traditional single booster site, which relies on high antenna heights to fill in areas where the main signal is blocked by terrain. Engineers say that does still do the trick in many cases, but it can also create interference with the main signal in areas that are covered by both the main and booster signals. Since MaxxCasting uses more localized, low to the ground boosters all on a single frequency, engineers say it allows FMs to fill in coverage gaps while minimizing inference.

The opportunity for such a system is likely large. GBS estimates as much as 80% of radio stations do not provide adequate signal in the service area of their main broadcast transmitter.

“Most FM radio stations have areas their signal can’t cover due to terrain, urban buildings, and adjacent channel interference; and Stingray’s stations are no exception,” said Paul Littleton, Director of Spectrum Design at GeoBroadcast Solutions. “MaxxCasting enables broadcasters to overcome many signal limitations, expand the populations served, improve ratings, and increase revenues.”



GeoBroadcast Solutions has meanwhile filed a petition with the Federal Communications Commission seeking approval of a separate, more complicated and controversial booster-based system that would create geo-targeted zoned coverage. Unlike MaxxCasting, which has been positively received

by the industry, the potential of its ZoneCasting technology to chop up coverage and alter the ad sales model has been met with opposition by the National Association of Broadcasters and several radio groups. The FCC this week reopened its comment period in the proceeding (MB Docket No. 20-401) based on a recent field test in Jackson, MS.

# TV News – October 2022

**Douglas E. Smith**  
**Nashville, TN**  
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Stations in **boldface** are full-power; all others are LPTV, translators, or Class A. In Canada & Mexico, stations of more than 3kw (VHF) or 15kw (UHF) are marked in **boldface**. Stations *in italics* are analog. There are no operating analog stations left in the USA or Mexico. USA analog listings are off the air, either temporarily pending conversion to digital or permanently deleted.

<b>Alabama</b>			
Alabaster	4	WNHT-LD	Requests power increase to 2.9kw/289m, 33-29-05/86-48-25; granted.
Fayette	15	WSSF-LD	Returned to the air Sept. 21 <sup>st</sup> .
Mobile	31	WMBP-LD	Power increased to 4.1kw/342m, 30-41-17/87-47-54
<b>Alaska</b>			
<b>Anchorage</b>	<b>33</b>	<b>KDMD</b>	<b>Power increased to 68.6kw/300m.</b>
Dot Lake	7	K07RU	Converted to digital (KAKM-8 Anchorage & KUAC-TV 9 Fairbanks)
Kenai	9	K09XO	License canceled Sept. 16 <sup>th</sup> .
Northway	4	K04KP	Converted to digital (KAKM-8 Anchorage & KUAC-TV 9 Fairbanks), 62-58-04/141-53-32.
Pedro Bay	13	K13SV	Converted to digital (KAKM-8 Anchorage & KUAC-TV 9 Fairbanks)
Port Heiden	13	K13SA	Converted to digital (KAKM-8 Anchorage & KUAC-TV 9 Fairbanks), 56-56-17/158-35-57
Unalaska	4	K04KV	Converted to digital (KAKM-8 Anchorage & KUAC-TV 9 Fairbanks)
<b>Alberta</b>			
<b>Red Deer</b>	<b>8</b>	<b>CFRN-DT-6</b>	<b>Requests conversion to digital, 10kw/287m.</b>
<b>Arizona</b>			
<b>Flagstaff</b>	<b>32</b>	<b>NEW</b>	<b>Permit granted for new station, 100kw/444m, 34-58-08/111-30-31 (Gray Television Licensee)</b>
<b>Yuma</b>	<b>11</b>	<b>NEW</b>	<b>Permit granted for new station, 5kw/452m, 33-03-19/114-49-47 (Gray Television Licensee)</b>
<b>California</b>			
Chico	11	KKRM-LD	Power increased to 1kw/355m, 39-57-29/121-42-53 (KKPM-CD 28 Yuba City)
Chico	24	KKTF-LD	From 30, 15kw/417m, 39-57-43/121-42-43; amendment from ch. 17 which would interfere with land mobile. Granted.
Chico	27	KUCO-LD	Requests STA 15kw/374m, 39-57-40/121-42-43; granted.
<b>Fresno</b>	<b>7</b>	<b>KAIL</b>	<b>Requests STA 48.8kw/571m, 37-04-49/119-25-52; temporary tower pending repair of fire damage.</b>
Monterey	14	K14TG	Power increased to 3kw/162m, 36-33-08/121-47-21 (KQSL-8 Fort Bragg)
Petaluma	6	KFMY-LD	Requests power reduction to 1kw/658m, 37-55-45/122-35-13; granted.
Riverside	21	K21MO	OFF Sept. 5 <sup>th</sup> , site destroyed by wildfire.
Salinas	4	K04RS	Power increased to 600w/728m, 36-32-06/121-37-18 (KQSL-8 Fort Bragg)

San Francisco	3	KURK-LD	Requests power reduction to 3kw/465m, 37-45-19/122-27-10.
<b>San Luis Obispo</b>	<b>15</b>	<b>KSBY</b>	<b>Returned to full power Sept. 12<sup>th</sup>.</b>
San Marcos	36	KSKT-CD	Operating at reduced power of 7.11kw pending amplifier repairs.
<b>Stockton</b>	<b>26</b>	<b>KTFK-DT</b>	<b>Operating at 74% power since Sept. 22<sup>nd</sup> component failure.</b>
<b>Visalia</b>	<b>28</b>	<b>KMPH-TV</b>	<b>Power changed to 245kw/792m.</b>
<b>Chiapas</b>			
Las Margaritas	35	XHDZ-n	Permit for new station, 2.24kw/19m, 16-18-49/92-00-05.
<b>Chihuahua</b>			
<b>Juarez</b>	<b>8</b>	<b>XHCPCN</b>	<b>Permit for new station, 55.962kw/32m, 31-42-30/106-29-58.</b>
<b>Colorado</b>			
Grand Junction	14	K38JX	Moved from 38, 5kw/267m.
<b>District of Columbia</b>			
Washington	10	W45DN	Moved from 45, 100w/21m.
<b>Florida</b>			
Clearwater	26	WXAX-CD	Requests site change to 27-49-11/82-15-38; granted. OFF Aug. 31 <sup>st</sup> pending relocation; returned to the air from new site Sept. 15 <sup>th</sup> .
Destin	33	W33DJ	Requests power reduction to 100w/-5m, 30-43-37/86-34-35. Amended to 2.1kw. License canceled Sept. 11 <sup>th</sup> .
Jasper	6	W06DI	Returned to the air Sept. 9 <sup>th</sup> .
Jennings	35	W35EC	Requests power increase to 15kw/88m, 30-15-15/82-40-55. Granted.
Key West	29	WKIZ-LD	OFF Sept. 11 <sup>th</sup> pending relocation.
<b>Lakeland</b>	<b>18</b>	<b>WMOR-TV</b>	<b>Returned to full power July 25<sup>th</sup>.</b> <b>Requests STA to return to ATSC 1.0 (from 3.0) to keep station's programming on the air in 1.0 if one of the host stations is knocked off air by Hurricane Ian.</b> <b>STA withdrawn, Ian went to the south &amp; no Tampa-market stations were knocked off.</b>
<b>Miami</b>	<b>23</b>	<b>WLVTV-DT</b>	<b>Application for new aux, 550kw/297m, 25-59-10/80-11-36. Granted.</b>
Orlando	21	W21AU	OFF Jan. 6 <sup>th</sup> , displaced.
Panama City	31	W31EP	Requests power increase to 11kw/89m, 30-21-14/86-06-44. Granted.
Sebastian	15	W15EO	Requests power increase to 15kw/72m, 27-44-52/80-34-41.
Tallahassee	25	W25EN	New station on the air, 100w/26m, 30-34-41/84-15-59.
<b>Georgia</b>			
Augusta	15	WDDZ-LD	License canceled Sept. 7 <sup>th</sup> .
Augusta	29	WDZC-LD	Returned to the air Sept. 8 <sup>th</sup> with new facilities 5kw/97m, 33-29-11/82-30-07
Lenox	16	W16EK	Requests power increase to 15kw/148m; granted.
Savannah	18	WUET-LD	OFF Aug. 23 <sup>rd</sup> pending exciter repairs. Returned to the air Sept. 27 <sup>th</sup> at reduced power of 9.6kw/126m.
<b>Hawaii</b>			
Lahaina	2	KITM-LD	Granted power reduction to 40 watts, 20-54-06/156-17-49.
<b>Idaho</b>			
Preston	40,	K40GZ,	Canceled Sept. 27 <sup>th</sup> .

	42,	K42GN,	
	44,	K44HA,	
	46,	K46HW,	
	48	K48IJ	
Twin Falls	21	K21ME	Requests power reduction to 100w/135m, 42-43-44/114-24-59; granted & reduced.

### Illinois

<b>Freeport</b>	<b>9</b>	<b>NEW</b>	<b>Permit granted for new station, 30kw/218m, 42-17-48/89-10-15 (Gray Television Licensee)</b>
Mount Vernon	21	W21ED	License canceled Sept. 11 <sup>th</sup> .
<b>Oswego</b>	<b>10</b>	<b>WAOE</b>	<b>Requests power increase to 13.25kw/388m, 41-53-56/87-37-23 for DTS transmitter #2 on the John Hancock Center in Chicago. DTS transmitter #1 unchanged. Granted.</b>
Rosemont	5	STA-776427	Live Sports Radio STA requested, 5w/14m, 42-00-17/87-53-13; Allstate Arena, Sept. 16 <sup>th</sup> .

### Indiana

<b>Angola</b>	<b>12</b>	<b>WINM</b>	<b>Requests power increase to 22kw/141m.</b>
Indianapolis	29	WFYI-LD	Requests power increase to 15kw/240m; granted & increased.
Tipton	28	WJSJ-CD	OFF Sept. 7 <sup>th</sup> , amplifier issue.

### Iowa

Spencer	20	KBVK-LP	Requests STA 6.8kw/109m; to operate on this channel pending permanent permission. Bumped from ch. 21 by repack. Filed for permanent permission for the same parameters.
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### Jalisco

Ahualulco	22	XHGUE-n	Permit granted for new station, 450w/-133m, 20-42-10/103-58-45.
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### Kansas

<b>Wichita</b>	<b>12</b>	<b>KSCW-DT</b>	<b>Requests STA to operate at half power. Switching to ATSC 3.0, transmitter can only make 50% power in this mode. See text.</b>
Wichita	28	KWKD-LD	Requests STA 15kw/91m, 37-41-53/97-19-11. Temporary operation from former analog site so licensed site can be modified to ch. 36. Will be displaced by KSCW moving from ch. 12 later this year. STA granted.
Wichita	36	KWKD-LD	From ch. 28, 15kw/247m, 37-48-01/97-31-30; see above. Granted.

### Kentucky

Bowling Green	19	WCZU-LD	OFF July 27 <sup>th</sup> pending amplifier repairs. Returned to the air Aug. 17 <sup>th</sup> at reduced power of 8.1kw/181m under STA.
Paducah	18	WQWQ-LD	Requests power reduction to 2.5kw/10m, 37-11-16/89-05-09; granted & reduced.

### Louisiana

Monroe	12	K12XQ	Requests power increase to 3kw/83m, 31-40-14/92-05-24. Granted. Returned to the air under these facilities Sept. 11 <sup>th</sup> .
New Orleans	22	WTNO-CD	Power changed to 15kw/93m, 29-58-29/90-08-37.

### Maine

<b>Augusta</b>	<b>20</b>	<b>WCBB</b>	<b>From 10, 1000kw/304m; formal application to back up channel reallocation. Granted.</b>
<b>Orono</b>	<b>22</b>	<b>WMEB-TV</b>	<b>Proposed move from ch. 9, 1000kw/293m, 44-45-45/68-33-56. Channel reallocation granted; now files formal application for</b>

Portland	15	WLLB-LD	<b>new facilities. This is also granted. See WCBB above.</b> License canceled Sept. 30 <sup>th</sup> .
<b>Massachusetts</b>			
Springfield	20	WSHM-LD	Power increased to 4.9kw/304m, 42-14-30/72-38-55.
<b>Michigan</b>			
Elmhurst	27	W27DQ	Power increased to 15kw/261m, 45-30-05/85-01-49.
Elmhurst	31	W31FA	Power increased to 15kw/261m, 45-30-05/85-01-49.
Traverse City	16	W16DN	Power increased to 15kw/254m, 44-45-37/85-40-58.
Traverse City	23	W23FL	New station on the air, 8kw/228m, 44-45-37/85-40-58 (WFQX-TV 32 Cadillac)
Traverse City	27	W27DU	Power increased to 15kw/254m, 44-45-37/85-40-58.
<b>Michoacan</b>			
Jiquilpan	31	XHSFJ-n	<b>Permit granted for new station, 40.28kw/292m, 19-57-03/102-41-56.</b>
<b>Minnesota</b>			
Lake Crystal	25	K43JE	Moved form 43, 7.5kw/155m.
Minneapolis	22	WUCW	<b>Application for new aux, 65.78kw/308m; granted &amp; on the air.</b>
<b>Mississippi</b>			
Eastabuchie	31	WMBP-LD	Requests power increase to 4.1kw/342m, 30-41-17/87-47-54; granted.
Grenada	13	WMEL-LD	Calls changed from W13CS. Power increased to 1.8kw/76m, 33-46-45/89-49-33.
Pascagoula	31	WTBL-LD	Calls changed from WGUD-LD.
<b>Missouri</b>			
St. Louis	17	KDTL-LD	Requests power to 15kw/251m, 38-31-47/90-17-58; granted.
<b>Nebraska</b>			
Beatrice	16	K16NO	License canceled Sept. 11 <sup>th</sup> .
Lincoln	27	KUON-TV	<b>Proposed reallocation from ch. 12, 650kw/253m.</b>
Norfolk	23	K23PU	Requests permanent move to this channel with same power/height/site as existing K30BP facility. Granted & moved.
Omaha	21	KQMK-LD	Returned to full power Sept. 8 <sup>th</sup> , HVAC repaired.
<b>Nevada</b>			
Carson City	9	K09AAA	Requests power reduction to 100w/-296m, 39-13-48/119-34-27; granted & new to the air.
Carson City	13	K13AAU	Requests power reduction to 100w/-296m, 39-13-48/119-34-27; granted & new to the air.
Ely	27	NEW	<b>Permit granted for new station, 20kw/273m, 39-15-55/114-53-38 (TV-49)</b>
Las Vegas	12	KVGA-LD	Power reduced to 3kw/315m, 36-00-34/115-00-23.
Las Vegas	29	KVCW	<b>Requests power to 57.14kw/370m, 36-00-27/115-00-27 (aux)</b>
Lovelock	14	KPHS-LD	Calls changed from K14KQ.
Reno	13	K13AAV	Requests power reduction to 100w/123m, 39-35-02/119-47-55; granted & new to the air.
Reno	28	K28NP	Requests power reduction to 100w/-227m, 39-27-11/119-44-18. License canceled Sept. 11 <sup>th</sup> .
Tonopah	9	NEW	<b>Permit granted for new station, 2.45kw/340m, 38-05-42/117-11-12 (TV-49)</b>
Verdi	27	K51DJ	Moved from 51 (KRNVD-DT 12 Reno)

<b>Winnemucca</b>	<b>7</b>	<b>NEW</b>	<b>Permit granted for new station, 1kw/649m, 41-00-31/117-46-13 (Gray Television Licensee)</b>
<b>New Jersey</b>			
Atlantic City	24	W24ET	From W48DP, 100w/6m, 39-22-52/74-27-01; granted & moved.
<b>New Mexico</b>			
<b>Albuquerque</b>	<b>13</b>	<b>KRQE</b>	<b>Operating at reduced power of 1`2.9kw/1287m, due to transmitter tube failure.</b>
Carlsbad	19	NEW	Permit granted for new station, 35kw/150m, 32-28-28/104-11-56. (TV-49)
Silver City	10	NEW	Permit granted for new station, 2.8kw/216m, 32-46-41/108-18-44 (TV-49)
Silver City	12	NEW	Permit granted for new station, 2.8kw/216m, 32-46-41/108-18-44 (TV-49)
<b>New York</b>			
Glens Falls	31	WNCE-CD	Returned to the air Sept. 26 <sup>th</sup> .
New York	29	WPXU-LD	From 12, 2.56kw/261m, 40-45-08/73-58-02; sharing on the W29FL transmitter. City from Amityville.
New York	30	WNJJ-LD	Requests power increase to 15kw/196m, 40-35-51/74-06-52. (Todt Hill, Staten Island) Granted.
<b>Syracuse</b>	<b>15</b>	<b>NEW</b>	<b>Permit granted for new station, 450wk/443m, 42-52-50/76-11-59 (WSTQ Licensee)</b>
<b>North Carolina</b>			
Sapphire Valley	21	W34EP	From 34, 4.5kw/809m, 35-25-32/82-45-24; granted.
<b>North Dakota</b>			
<b>Grand Forks</b>	<b>27</b>	<b>KNGF</b>	<b>Permit granted for new station, 48.5kw/103m, 47-57-46/97-02-37 (BEK Sports Network) Requests assignment of these calls. Requests power increase to 720kw/540m, 47-20-32/97-17-21.</b>
Grand Forks	31	K31MP	OFF Sept. 22 <sup>nd</sup> , technical difficulties.
Minot	18	K18NW	Requests power increase to 159w/173m; granted & increased. Requests further increase to 15kw/173m.
Minot	35	K35MM	From K42IM, 900w/32m, 48-22-16/101-18-30; granted.
Williston	20	K20PB	Requests power increase to 200w/293m; granted & increased. Requests further increase to 15kw/293m.
<b>Ohio</b>			
Cleveland	27	WOCV-CD	OFF Sept. 19 <sup>th</sup> pending equipment upgrades.
Columbus	8	WGCT-CD	Power increased to 3kw/98m, 39-58-16/83-01-40
<b>Shaker Heights</b>	<b>10</b>	<b>WOIO</b>	<b>Requests power increase to 30kw/333m; withdrawn for procedural reasons &amp; refiled for same facilities.</b>
<b>Oregon</b>			
Bend	36	K49KT	Moved from 49.
Medford	18	KDOV-LD	Moved from 44, 1.56kw/412m, 42-17-51/122-45-04.
Medford	24	KDSO-LD	Moved from 16, 1.54kw/412m, 42-17-51/122-45-04.
<b>Medford</b>	<b>26</b>	<b>KMVU-DT</b>	<b>Operating at reduced power of 16.2kw/441m pending replacement of failed transmitter.</b>
<b>Pendleton</b>	<b>11</b>	<b>KFFX-TV</b>	<b>Requests STA to operate without the ability to carry closed captions.</b>
<b>Pennsylvania</b>			
Butler	17	WJMB-CD	Operating at reduced power of 3.75kw/115m pending HVAC

Erie	18	WXTM-LD	repairs. Returned to full power Sept. 5 <sup>th</sup> .
Erie	19	WEPA-LD	Returned to the air Sept. 30 <sup>th</sup> .
<b>Philadelphia</b>	<b>6</b>	<b>WPVI-TV</b>	<b>Requests power increase to 56kw/332m, 40-02-39/75-14-25; amended to 53.1kw/342m.</b>
Pittsburgh	10	WIIC-LD	From 31, 3kw/245m, 40-26-23/79-43-10; amendment from 1kw/145m & to change site.
<b>Puebla</b>			
Acatlan	27	XHTEM-n	Permit granted for new station, 1.85kw/-72m, 18-12-25/98-03-05.
<b>Puerto Rico</b>			
<b>Mayaguez</b>	<b>20</b>	<b>WOST</b>	<b>OFF Sept. 10<sup>th</sup>, damaged Ethernet switch &amp; Hurricane Fiona power outage.</b>
Mayaguez	27	W27DZ	OFF Sept. 10 <sup>th</sup> , damaged Ethernet switch & Hurricane Fiona power outage.
Quebradillas	34	WWKQ-LD	OFF Sept. 10 <sup>th</sup> , damaged Ethernet switch & Hurricane Fiona power outage.
<b>Quintana Roo</b>			
Chetumal	25	XHSPJ	Permit granted for new station, 82.5kw/101m, 18-30-30/88-30-32.
<b>Saskatchewan</b>			
Prince Albert	9	CIPA-TV	Requests conversion to digital, 11kw/215m; correct coordinates to 53-03-27/105-50-31.
Yorkton	10	CICC-TV	Requests conversion to digital, 2kw/145m.
<b>Sinaloa</b>			
Copala	31	XHDL-n	Permit granted for new station, 3.81kw/737m, 23-29-14/105-50-37
Copala	34	XHLSI-n	Permit granted for new station, 3.66kw/737m, 23-29-14/105-50-37
<b>Sonora</b>			
San Luis Rio Colorado	28	XHAQ-n	Permit granted for new station, 660 watts/36m, 32-26-10/114-46-02.
<b>South Carolina</b>			
Florence	24	W24EX	Requests power to 200w/13m, 34-16-18/79-43-33; granted.
Myrtle Beach	14	W14EZ	Requests STA for 2.1kw/156m; to operate permitted increased facilities at less than full power pending delivery of permanent transmitter.
Pickens	18	W18FD	From W31DY, 15kw/65m, 34-54-46/82-19-04; granted.
<b>South Dakota</b>			
Sioux Falls	17	K17OO	Requests power reduction to 50 watts/65m, 43-00-34/89-43-45. Site is in Mount Horeb, Wisconsin. (previous site was also in Wisconsin, see text.)
<b>Tennessee</b>			
Bristol	35	WCYB-DRT	License canceled Sept. 8 <sup>th</sup> . Main transmitter is now operating at 1000kw on this channel.
Memphis	15	W15EA	Withdrawn, station went off altogether on Aug. 10 <sup>th</sup> . Returned to the air Aug. 28 <sup>th</sup> with temporary antenna.
Memphis	30	WQEK-LD	Operating at reduced power of 800w/331m pending antenna repairs.
Memphis	32	WQEO-LD	Operating at reduced power of 800w/331m pending antenna

Nashville	31	WWHL-LD	repairs. Power increased to 14.3kw/170m, 36-02-47/86-49-47.
<b>Texas</b>			
Corpus Christi	16	KXCC-LD	OFF Sept. 28 <sup>th</sup> , lost site.
Eagle Pass	18	KVAW	<b>Granted STA to reactivate this station, whose license expired Jan. 8<sup>th</sup>, 2020. 50kw/85m, 28-43-33/100-28-36. Had received 2-year short renewal in 2018.</b>
Garland	33	KUVN-DT	<b>Application for new aux, 280kw/517m, 32-32-35/96-57-33; granted &amp; on the air.</b>
Greenville	23	KTXD-TV	<b>Operating at 25% power since Sept. 19<sup>th</sup> – reduced intentionally for tower inspection but was unable to return to full power.</b>
Hereford	27	KYAM-LD	Granted site change to 15kw/132m, 35-13-59/101-52-09.
Houston	3	KZHO-LD	OFF Jan. 9 <sup>th</sup> , interference complaints from other site users.
Port Arthur	26	KULC-LD	Requests power increase to 15kw/51m; granted.
Sherman	13	KJDA-LD	OFF June 14 <sup>th</sup> , lost site due to financial issues.
Victoria	29	K29OH	From K22JW, 15kw/97m, 28-48-01/96-07-33; granted & moved.
<b>Utah</b>			
Hurricane	17	K17LH	New station on the air, 50w/-162m, 37-11-06/113-17-57.
Price	19	KCBU	<b>Permit granted for new station, 37kw/861m, 40-01-08/111-36-52 (Marquee Broadcasting) Requests assignment of these calls.</b>
Salt Lake City	39	K39JS	.License canceled Sept. 21 <sup>st</sup> .
<b>Vermont</b>			
Manchester	2	WYCX-CD	Returned to the air Sept. 23 <sup>rd</sup> .
<b>Virginia</b>			
Danville	30	WZBJ	<b>License canceled Sept. 20<sup>th</sup>. Had been a channel share on WDBJ.</b>
Staunton	15	WVPT	<b>Granted move from ch. 12. DTS #1: Elliot Knob, Staunton, 195kw/666m DTS #2: Carters Mountain, Charlottesville, 15kw/329m DTS #3: Big Mountain, Luray, 250w/609m</b>
<b>Washington</b>			
Walla Walla	9	KWAL	<b>Permit granted for new station, 128kw/340m, 46-05-46/119-11-40 (Marquee Broadcasting) Requests assignment of these calls.</b>
<b>West Virginia</b>			
Parkersburg	8	WVMY-LD	Requests power increase to 1.3kw/111m, 39-20-18/81-29-56. Granted. OFF Aug. 16 <sup>th</sup> pending completion.
Parkersburg	34	W34FE	Requests power increase to 15kw/130m, 39-14-48/81-25-01; granted & increased. (WVPB-TV Huntington)
<b>Wisconsin</b>			
Eagle River	26	NEW	<b>Permit granted for new station, 80kw/162m, 45-46-30/89-14-56 (Gray Television Licensee)</b>
Green Bay	18	WLUK-TV	<b>Moved from 12, 500kw/384m.</b>
Minocqua	35	W35DM	From W39CV, 2.3kw/20m, 45-53-39/89-40-58; granted.
Mount Horeb	17	K17OO	See Sioux Falls, South Dakota.
Wittenberg	31	NEW	<b>Permit granted for new station, 17kw/96m, 44-49-06/89-01-59 (TV-49)</b>
<b>Wyoming</b>			



Casper	22	K49LJ	From 49, 100w/479m, 42-44-37/106-18-33.
Casper	31	K31HT	License canceled Sept. 11 <sup>th</sup> .
Cody	34	K34HZ	Requests power increase to 100w/565m; granted. Converted to digital with these parameters.
<b>Sheridan</b>	<b>7</b>	<b>KSWY</b>	<b>Permit granted for new station, 160kw/-73m, 44-20-48/106-43-30 (Marquee Broadcasting) Requests assignment of these calls.</b>

### Zacatecas

Jalpa	31	XHSFJ-n	Permit granted for new station, 1.79kw/-225m, 21-37-33/102-59-09
Jalpa	33	XHJAL-n	Permit granted for new station, 1.76kw/-225m, 21-37-33/102-59-09

As always, thanks to Raymie Humbert for information from Mexico. (Other information, unless otherwise noted, comes from the FCC and Industry Canada.)

### WHAT'S OLD IS NEW AGAIN

The callsigns of the new stations in Price, Utah and Sheridan, Wyoming may seem familiar. Previous stations on these channels held the same callsigns. The new owners are not related to the old ones.

### WHAT'S UP IN WICHITA?

KSCW-DT has requested Special Temporary Authority to operate at half power. The station is converting to ATSC 3.0 and cannot make full power in this mode.

There are two factors that enter into the ability of a transmitter (or other transmitting equipment) to safely develop a given amount of power. One factor is heat; the other is voltage. Current flowing in a circuit encounters resistance, which causes some of that energy to be lost generating heat. Of course, heat can cause components to melt – or start fires! To keep current from flowing in places where you don't want it, you put insulators in the way (often, *air* is used as the insulator). Insulators can only hold off so much voltage before current begins to flow anyway. The results may vary but they're not good....

The heat generated in a circuit is averaged over time. The ratio between the maximum heat generated at any given instant, and the average heat, doesn't really matter. If the circuit briefly overheats, when the current drops below average, the circuit will cool down, and no damage is done.

Voltage, on the other hand, acts instantaneously. If the voltage in a circuit exceeds the maximum capability of the insulators – even for a tiny instant – unwanted current will begin to flow. And again, the results will not be good.

FM radio signals have constant strength. (only the frequency changes) The voltage is constant; if the insulators are good enough to hold off the current now, they will also be good enough to handle it 50 microseconds from now.

TV signals, on the other hand, have varying strength. The voltage across the cable connecting a TV transmitter to the antenna may be much higher in 50 microseconds than it is now. The cable must be able to handle the maximum voltage it will ever encounter – not just the average.

And that's where KSCW's issue comes in. The FCC licenses ATSC 3.0 TV stations to broadcast at the same *average* power (and voltage) as an equivalent ATSC 1.0 station. However, the ratio between the *peak* power (and voltage) is much greater for ATSC 3.0. Insulators must be significantly larger to successfully prevent unwanted current flow. A transmitter designed to deliver 30 kilowatts in ATSC 1.0 may be able to remove enough heat to safely generate 30 kilowatts of ATSC 3.0 – but the

insulators may not be able to keep that 30 kilowatts of ATSC 3.0 from going places we don't want it to go!

By reducing power, KSCW can save its transmitter from unwanted electrical arcs.

## **GEOGRAPHY LESSON**

I'm not sure what's up with K1700 in South Dakota. While typing up the technical changes, I noticed the tower is at 89°43'45"W. The Mississippi River is roughly 90°W, and the entire states of Iowa and Minnesota lie between South Dakota and the Mississippi. Obviously K1700's tower is *not* in South Dakota – or anywhere near.

I pulled up the coordinates on Google Maps. They plot to a house just east of downtown Mount Horeb, Wisconsin. (a Madison suburb) This month's facilities represent a move from the station's previously-authorized site – but that site is also in Wisconsin. (between Argyle and Darlington)

## **ATSC 3.0 SCORECARD**

*Bend & Medford, Oregon:*  
K16KI & K22OB to operate in ATSC 3.0.

## **THE GRADUAL DISAPPEARANCE OF ANALOG**

The FCC has issued a Notice of Proposed Rulemaking with the intent of cleaning up after the conversion to digital and incentive auction. Rules applicable only to analog operation would be deleted, and references to analog operation in digital rules would also be removed. References to channels above 36 would be deleted. Regulations related to the incentive auction would be deleted.

Rules unrelated to digital conversion are also proposed for deletion or update. 73.4082 related to comparative hearings – those have not been held for several decades. LPTV stations eligible to convert to Class A had to do so by May 1<sup>st</sup>, 2000 – there is no point to continuing to say so. Text expecting applicants to use specific types of paper to file antenna patterns would be deleted – patterns are now submitted as PDF files. Rules providing specifically for subscription TV would be deleted. All TV stations are now required to broadcast at least one free program – and all stations may transmit additional subscription programs as desired.

Other rules affected don't apply specifically to television. Years ago, the FCC would occasionally issue "Special Service Authorizations" - for example, authorizing a daytime-only AM station to operate at night to broadcast a specific program. 73.3543 says no new Special Service Authorization will be issued, but existing SSAs may be renewed under certain conditions. No new SSAs have been issued since 1958 and the Commission is not aware of any still in existence. References to the BAPS database would be removed – BAPS was superseded by CDBS in 2000, and CDBS by LMS in 2020. Indeed, some rules state you can still purchase this data in printed form from a FCC "duplicating contractor". The Commission has not contracted with a duplicating firm for decades.

A major reorganization is long due.

# FM Facility Changes for October 2022

Material supplied by Doug Smith

- CC: Call letters changed. Sometimes we learn of a call change a week or two before it actually happens.
- CX: License or permit canceled. Digits are the date on which it was canceled. (CX03 = canceled on the 3rd.)
- NS: Permit granted for new station.
- NW: New station on the air.
- OFF: Station is temporarily off the air.
- PC: Coverage changed. (change in antenna height and/or power) PC> =increase; PC< =decrease; just PC =negligible
- PG: Granted change in coverage.
- QC: Frequency/channel changed.
- QG: Frequency/channel change granted.
- RA: Station returned to the air after a period OFF.
- XC: Site changed.
- XG: Granted change in site.

## OCTOBER 2022

AB Hines Creek	94.5	CIAM-FM-6	QG from 94.7, 2.11kw/81m, 56-18-22/118-36-33
AB Saskatoon Hill	99.9	CIAM-FM-25	PG>1.45kw/276m
AB Watt Mountain	94.1	CIAM-FM-3	QG from 91.1, 3.42kw/358m, 58-39-02/117-29-04
AL Dothan	90.3	WDYF	PC>28kw/167m, 31-19-30/85-36-06 (WLBF-89.1 Montgomery)
AL Maplesville	106.3	762462	NS 1.5kw/58m, 32-43-57/86-50-37 (WKLF)
AL Mobile	95.7	W239CW	PG>250w/291m, 30-41-17/87-47-54 (WMOB-1360); PC
AL Mobile	101.1	W266CM	OFF Sept. 12th, primary is a HD subchannel & the HD gear is out of service.
AK Chevak	88.1	KCUK	OFF Sept. 17th, tower destroyed by storm; returned to the air at reduced power Sept. 25th.
AK Sterling	94.3	K232EH	CX27
AR Clarksville	103.1	KQLO-LP	QG from 88.5, 100w/-5m, 35-27-40/93-26-52
AR Mena	88.5	K203BO	OFF Sept. 12th pending sale.
AZ Kearny	105.1	762492	NS 800w/273m, 33-04-10/111-03-15 (Estrella Broadcasting)
AZ Sedona	106.5	K293DA	PC>170w/-142m, 34-51-39/111-49-13 (KAZM-780)
AR Mountain View	88.5	KWMV	NW 950w/171m, 35-50-49/92-07-28
AR Texarkana	107.5	K298DB	OFF Sept. 14th, primary KOSY-790 is off.
AZ Ajo	89.3	KZAO	NW 430w/258m, 32-21-52/112-52-43
AZ Blue Ridge	94.7	KGXL	CC for NS
AZ Green Valley	97.1	KMMA	CC from KMIY
AZ Mt. Lemmon	107.1	K296GT	OFF Aug. 7th, lost site.
AZ Show Low	93.5	KZUZ	PG>12.5kw/300m, 34-12-20/109-56-28
BC Charlie Lake	92.5	CIAM-FM-8	PG>1.45kw/267m, 56-16-41/121-02-38
BC Dawson Creek	107.5	CIAM-FM-9	PG>2.15kw/140m, 55-44-47/120-03-37
BC Vanderhoof	98.5	CIAM-FM-11	PG>445w/-48m
CA Delano	92.3	K222DH	OFF Aug. 12th pending relocation.

CA El Dorado Hills	103.5	K278CA	OFF Mar. 11th, financial difficulties.
CA Eureka	96.7	KZZH-LP	PG<100w/-22m, 40-47-48/124-09-56
CA Grass Valley	97.3	K247BX	OFF Mar. 11th, financial difficulties.
CA Greenville	89.3	KPJP	Returned to full power Sept. 21st.
CA Joshua Tree	91.9	767348	PG 220w/-143m, 34-07-36/116-16-36 (Animal Authority Rescue Team)
CA Monterey	102.9	K275CU	RA Sept. 6th with new facilities.
CA Moreno Valley	106.5	K293CF	PG>15w/503m, 33-57-42/117-16-50 (KCAA-1050 Loma Linda)
CA Nipomo	105.5	KYGS-LP	RA Aug. 29th
CA Petaluma	102.5	K273CU	OFF dismissed Sept. 13th.
CA Redlands	107.3	KWRS-LP	OFF Sept. 7th, computer failure.
CA Santa Nella	90.9		NS 5kw/-18m, 37-04-52/120-59-39 (Free Radio Santa Nella)
CA Simi Valley	106.3	K292CR	Primary changed to KOST-103.5.
CA Soledad	104.7	KSGG	PG>240w/488m, 36-22-59/121-25-44
CA Stockton	94.5	K233CU	OFF Mar. 11th, financial difficulties.
CA Susanville	91.5	KTGP	PG 800w/-241m, 40-24-53/120-38-41
CA Chester	98.9	KWLU	RA Sept. 22nd
CA Hemet	107.1	K296HB	QG from K241AV-96.1, 14w/316m, 33-41-17/116-55-36 (KSDT-1320)
CA Morgan Hill	89.5	KHCF	PG>14w/458m, 37-03-07/121-45-32
CA Redlands	107.3	KWRS-LP	RA Sept. 30th, programming computer replaced.
CO Lamar	88.3	KRHJ	PG>500w/36m
CO Lamar	93.5	KLMR-FM	CX23. Facility destroyed by microburst storm.
CO Glenwood Springs	107.7	K299AC	PG 100w/65m, 39-33-43/107-19-03 (KNDH-96.7 Carbondale)
CO Greeley	92.1	K221GI	PC>250w/70m, 40-26-15/104-43-27 (KRCN-1060 Longmont)
CT Meriden	98.5	W253BQ	PG<250w/241m, 41-33-44/72-50-38 (WMRQ-FM 104.1 Waterbury)
CT Pomfret	91.1	WBVC	CX19
FL Boca Raton	101.1	WRIZ-LP	OFF Sept. 6th; transmitter & antenna damaged by lightning.
FL Crawfordville	88.5	WCFD	PG 50kw/57m, 30-04-04/84-28-56
FL Fort Walton Beach	94.3	W232CF	PG>250w/80m, 30-26-49/86-37-05 (WTKE-FM 100.3 Niceville)
FL Hollywood	101.1	WDKK-LP	PG<50w/41m, 25-59-35/80-10-26
FL Jacksonville	88.7	WJFR	PG>12kw/110m, 30-16-36/81-33-57
FL Mangonia Park	107.1	W296AW	Primary changed to WLLY-FM 99.5 Palm Beach Gardens
FL West Palm Beach	90.3	W212CG	PG>250w/235m, 26-35-21/80-12-43 (WAYF-88.1)
FL Apopka	100.7	W264DU	OFF Nov. 5, 2021 pending construction of new facilities.
GA Atlanta	99.3	W257DF	OFF Sept. 19th, lost site.
GA Bowdon	91.5	766075	NS 2kw/108m, 33-23-17/85-15-24 (Living Springs Retreat)
GA Calhoun	107.7	WJRP-LP	PC 14w/78m, 34-29-50/84-56-51
GA East Point	100.1	W261DL	OFF Sept. 17th, tower collapsed.
GA La Grange	90.9	WOAK	PG<2.5kw/77m, 33-02-13/85-01-50
GA Milledgeville	91.9	WGJL	CC for NS (Elijah Radio)
GA Albany	107.3	W297BQ	OFF Sept. 20th, lost least.
HI Hilo	94.7	KWXX-FM1	NS 2kw/293m, 19-00-10/155-40-29
HI Lanai City	104.7	KONI	PC<29kw/165m, 20-44-28/156-18-29
IA Des Moines	90.9	K215FN	Returned to full power Sept. 2nd.

IA Glenwood	105.3	K287CB	Primary changed to KIBM-1490 Omaha, NE.
ID Lewiston	103.9	K280FQ	PC>250w/338m, 46-27-21/117-02-52 (KHTR-104.3 Pullman, Wash.)
ID Grangeville	89.5	763562	PG 500w/701m, 45-51-47/116-07-23 (St. John Bosco Academy)
ID Kimberly	97.1	K246DC	QG from K228FL-93.5. (KXTA-FM 99.1 Gooding)
IL Charleston	90.5	WHOZ	PG 100w/37m, 39-29-58/88-10-27
IL Elmhurst	102.3	W272DQ	PC>90w/84m, 41-50-33/88-00-09 (WCKG-1530)
IL Justice	95.1	W236DW	PG 160w/119m, 41-42-31/87-47-02 (WNVR-1030 Vernon Hills)
IL Peoria	107.5	W298BH	OFF Aug. 21st, equipment malfunction.
IL Cloverdale	99.1	W256DU	RA Sept. 26th
IN Bloomington	96.1	W241CD	PC>250w/119m (WTTS-92.3 Trafalgar)
IN Frankfort	102.1	W271BX	RA Sept. 13th
IN Indianapolis	96.3	WYHX	RA Sept. 9th
IN Indianapolis	96.3	WYHX	OFF Aug. 31st pending equipment upgrades; RA Sept. 22nd.
IN Kirksville	88.5	W203BL	PC>250w/82m 39-11-44/86-33-28 (WBKC-90.9 Morgantown)
IN Seelyville	95.9	WHLR	RA Sept. 9th
IN Montgomery	101.3	W267CP	PC>250w/116m, 38-37-09/86-58-27 (WAMW-1580 Washington)
IN Seelyville	88.9	WVWG	PG>1.25kw/66m, 39-31-44/87-11-58
IA Davenport	98.3	W252EM	QG from K289BI-105.7, 250w/70m (WVIK-90.3 Rock Island, Ill.)
KY Lancaster	95.5	W238CN	PG<230w/159m, 37-32-18/84-27-11 (WZXI-1280)
KY Paris	96.1	WZNN	PG 2.3kw/163m, 38-11-19/84-22-13
KS Haven	97.1	KIBB	Returned to the air Sept. 20th.
KS Kingman	94.3	KCVW	Operating at reduced power of 22kw (22%) pending transmitter repairs.
KS Scott City	98.5	K253CW	QG from K296HG-107.1 (KYUL-1310)
KY Franklin	92.3	W222CZ	QG from W223DL-92.5, 220w/63m, 36-45-57/86-34-03 (WFKN-1220); QC
ME Trevitt	91.5	WGWM	PG 210w/84m, 43-53-39/69-42-36
MI East Lansing	102.3	W272EM	PC>250w/172m, 42-42-07/84-24-48 (WKAR-FM 90.5)
MI Escanaba	103.9	W280GB	PC>250w/66m, 45-51-02/87-02-13 (WYKX-104.7)
MI Onaway	106.3	WWMK	PC 38kw/138m, 45-39-01/84-20-37
MI Onkama	93.3	762337	NS 7kw/108m, 44-29-24/86-08-09 (Suzanne D Henderson)
MI Big Rapids	98.9	762506	NS 6kw/97m, 43-39-50/85-28-55 (Smile FM)
MN Alexandria	91.7	K219FA	PG>87w/44m, 45-52-06/95-21-48 (WJFM-88.5 Baton Rouge, La.); PC
MN Alexandria	91.7	K219FA	PG>87w/44m, 45-52-06/95-21-48 (WJFM-88.5 Baton Rouge, La.)
MN Grand Portage	92.7	WZBY	OFF Sept. 12th, reason not given.
MN Hinckley	93.1	W226AY	RA Sept. 6th.
MO Sedalia	88.3	KVWS	CC for NS (COMMUNITY BROADCASTING)
MT Lewistown	107.9	KZLM	RA Sept. 15th.
MS Bruce	101.5	762447	PG 280w/60m, 33-59-56/89-20-37 (Kennedy Broadcasting)
MS Bruce	101.5	WDAA	CC for NS
MS Jackson	95.9	W240EJ	PG<75w/6m, 32-17-09/90-12-43 (WSJC-810 Magee); PC
MS Taylor	94.7	WRBM	NS 1.5kw/124m, 34-20-31/89-29-40 (SSR Communications); CC for NS
MT Great Falls	91.9	KFRW	OFF Sept. 2nd, lost lease.

MT Missoula	107.5	KENR-FM1	RA with new facilities 265w/615m, 46-48-09/113-58-24
MT Pinesdale	106.7	KXDR	RA Sept. 22nd
MT Superior	107.5	KENR	Returned to full power Sept. 15th.
MT Whitefish	99.5	K258AP	OFF Sept. 21st, antenna damaged.
NC Buxton	90.5	WBUX	PG>10kw/43m, 35-15-42/75-34-18
NC Buxton	101.5	WHDZ	PG>1.1kw/43m, 35-15-42/75-34-18
NC Grifton	99.5	WMJV	CC from WXNR
NC Jacksonville	95.9	W240DX	RA Sept. 7th. (WSRP-910)
NC Mount Airy	90.9	WGBI	CC for NS (Gospel Broadcasting)
NC Reidsville	93.5	W228DS	RA July 6th.
ND Bowman	106.5	K293BN	PG>92w/140m (KSLS-90.7 Dickinson)
ND Emerado	99.1	KQYZ	NW 100w/15m, 47-55-04/97-22-34
ND Jamestown	90.7	KCBJ	PG 550w/52m, 46-51-56/98-39-44
NE Gering	93.3	KMOR	QC from 103.9, 100kw/343m, 41-50-23/103-49-37
NE Minatare	107.3	KHYY	QC from 106.9, 100kw/343m, 41-50-23/103-49-37
NE Scottsbluff	94.1	KNEB-FM	PC>75kw/344m, 41-50-23/103-49-37
NE Scottsbluff	100.3	K262CU	PC>250w/319m, 41-50-23/103-49-37 (KNEB-960)
NE Scottsbluff	101.7	K269DO	PC>250w/319m, 41-50-23/103-49-37 (KOLT-1320 Terrytown)
NH Concord	105.5	WJYY	PC 1.35kw/153m, 43-16-42/71-30-18
NY Glen Spey	89.5	WUUA	RA Sept. 29th
NY Hilton	107.9	W300DG	RA Sept. 23rd
NH Concord	105.5	WJYY	PG 1.35kw/151m, 43-16-42/71-30-18
NH Derry	92.1	W221EM	RA Sept. 12th.
NJ Pennsauken	95.3	W237EH	OFF Sept. 2nd, lost permission to relay WJFP-740.
NM Albuquerque	93.7	K229CL	PG 250w/1226m, 35-13-00/106-27-09 (KDLW-106.3 Los Lunas); PC
NM Albuquerque	101.3	KYLZ	PC 3.8kw/127m, 35-04-04/106-46-51
NM Albuquerque	93.7	K229CL	Primary changed to KRKE-1100 Peralta
NM Dona Ana	94.3	K232GD	PG 20w/158m, 32-24-17/106-45-40 (KSIL-105.5 Rincon)
NM Dona Ana	94.3	K232GD	QC from K235CX-94.9 (KSIL-105.5 Rincon)
NV Las Vegas	97.9	KIOF-LP	License canceled Sept. 6th.
NV Spring Valley	95.1	K236BM	PG>99w/67m
NV Stateline	103.3	K277CL	OFF Mar. 11th, financial difficulties.
NY Brooklyn	92.7	WFME-FM2	CX19
NY Little Valley	105.9	WCGS	CC from WGWE
NY New York	92.7	WFME-FM1	CX19
NY Newburgh	93.7	W229BH	PC>10w/289m, 41-29-32/73-58-38 (WLJP-89.3 Monroe)
NY Watkins Glen	101.9	W270BY	PC<250w/35m, 42-18-33/76-49-20 (WFLR-1570 Dundee)
NY Whitehall	94.1	WNYV	OFF Sept. 1st, transmitter issues.
NY Whitehall	94.1	WNYV	RA Sept. 23rd.
OH Marion	107.1	WWGH-LP	CX22
OH Toledo	103.3	W277BI	Primary changed to WPAY-1520 Rossford.
OH Toledo	92.1	W221BG	OFF Sept. 6th. Normally relays WPAY-1520 Rossford. However, W277BI will need to temporarily relay WPAY while equipment is installed allowing it to relay WTOD-106.5 HD2. Two translators with substantially identical coverage are not allowed to relay the

same primary.

ON Amherstburg	107.9	NEW	NS 50w/52m, soft adcon
ON Schreiber	90.9	CBLB-FM	PG>166w/31m
OR Hines	89.1	KQDL	OFF Sept. 16th.
OR Huntington	216	763433	PG 4.6kw/500m, 44-25-54/117-14-58 (Radio Bilingue)
OR Mapleton	103.1	K276IH	PC>140w/253m, 44-02-56/123-50-37 (KCFM-1250 Florence)
OR Powell Butte	106.9	K295DB	PC>250w/573m, 44-11-51/120-58-41 (KEFX-88.9 Twin Falls, Ida.)
PA DuBois	89.5	WPMU	PG 6kw/177m, 41-02-44/78-42-11
PA Erie	95.9	WBIT-LP	CC from WXNM-LP.
PA Galeton	100.7	WCOG-FM	PG>4kw/102m, 41-44-34/77-38-34
PA Renovo	106.9	WVSQ-FM1	CX23
PA State College	105.9	WQCK-FM1	CX22
PR Levittown	88.5	WLUZ	PC>11.5kw/617m, 18-16-37/65-51-08
PR Mayaguez	98.7	WUKQ-FM	OFF Sept. 18th, tower collapsed after Hurricane Fiona.
PR Ponce	101.5	W268DJ	XC 250w/308m, 17-59-16/66-37-10 (WAPA-1260)
PR Ponce	101.9	WZAR	OFF Sept. 18th, believes generator failed after Hurricane Fiona.
QC Lac-Brome		CIDI-FM	PG>2kw
SD Hot Springs	106.7	K294DL	QG from K292EC-106.3, 115w/214m, 43-26-34/103-27-29 (KLMP-88.3 Rapid City)
SK Corman Park	100.9	CIAM-FM-29	PG>2kw/33m, 52-23-03/106-31-17
SK Prince Albert	107.1	CIAM-FM-22	PG>490w/24m
SK Regina	95.9	NEW	QG from 107.9, 24kw/141m; relocate transmitter
TX Abilene	89.5	KACU	PG<59kw/197m, 32-13-47/99-37-43
TX Bellville	102.5	K273CD	CX30
TX Crowell	98.9	KTUT	PG>13.5kw/137m, 33-59-08/99-45-29
TX Franklin	103.9	KVLX	Returned to full power Sept. 22nd.
TX Fredericksburg	101.3	K267AO	PG>250w/-18m, 30-17-30/98-50-00 (KTSN-FM 88.9 Blowout)
TX Greenville	98.3	KKVI-LP	PC>100w/28m, 32-59-09/95-55-54
TX Stinnett	88.5	KZWD	PG 7kw/104m, 35-48-37/101-37-58
TN Athens	105.5	W288EL	QG from W285CG-104.9 (WENR-1090 Englewood)
TN Hopewell	93.9	WQMT	PC>17.5kw/120m, 35-21-55/84-45-22
TX Alpine	90.3	KBAL-FM	CX21
TX Austin	103.1	K276EL	Primary changed to KVET-FM 98.1 HD2.
TX Driscoll	105.9	KUKA	PG<6kw/75m, 27-40-17/97-44-18
TX Dumas	99.3	K291AQ	QC from 106.1, 92w/120m, 35-55-13/101-57-56 (KWA-88.1 Borger)
TX Fredericksburg	101.3	K267AO	RA Sept. 20th
TX Goldthwaite	92.7	KRNR	PG>7.8kw/125m
TX Holliday	215	KGVB	PG>22kw/107m
TX Houston	102.5	K273DP	QG from K259DC-99.7, 70w/64m, 29-42-59/95-30-15 (KREH-900 Pecan Grove)
TX Johnson City	107.9	KFAN-FM	PG<14.5kw/132m, 30-23-35/98-35-53
TX Killeen	104.7	KVBM-LP	PC 92w/31m, 31-04-09/97-40-10
TX Lovelady	104.3	KHMR	Operating at 50% power pending exciter repairs.
TX McKinney	88.1	KNTU	PG<55kw/135m
TX Midland	94.1	KACD-LP	OFF Aug. 4th, lost site.

TX O'Brien	105.5	KZOB-FM	OFF June 14th, lost site due to financial difficulties.
TX Pampa	88.1	KWGP	PG 400w/45m, 35-31-17/100-56-32
TX Port Bolivar	88.1	K201DZ	PG>200w/100m, 29-24-44/94-57-09 (KFTG-88.1 Pasadena)
UT Dammeron Valley	100.7	KCAY	PG>25kw/45m, 37-16-01/113-35-35
UT Kanab	90.9	KWOT	PG 1.2kw/-12m, 36-59-14/112-30-11
UT North Salt Lake	103.1	KLO-FM7	License canceled Sept. 14th.
UT Payson	95.5	K238CE	OFF Sept. 6th, equipment failure.
UT Santa Clara	91.3	KUTU	CC from KXDS
VA Amherst	103.1	W276DN	Operating at reduced power of 7 watts since Sept. 8th equipment failure.
VA Farmville	89.5	WARS	CC for NS (Farmville Seventh Day Adventist Church)
VA Waynesboro	90.1	WPVA	PC<1.85kw/301m, 38-00-38/78-53-11 (WRXT-90.3 Roanoke)
VA Strasburg	91.5	767321	NS 2kw/15m, 38-57-58/78-26-31 (Holy Family Communications)
WI Platteville	90.5	WSUP	Returned to full power Sept. 11th.
WI Viroqua	91.9	WDRT	PC>3kw/141m, 43-36-28/90-53-24
WY Buffalo	88.3	KBTG	PG 220w/-70m, 44-20-07/106-41-15
WY Chugwater	90.9	KLWV	RA Sept. 10th
WY Wheatland	96.5	KLLM	QG from 106.5.



*"One day, son, all of these perfectly good A.C. adapters, which have long outlived the products they were originally designed for, will be yours."*



# Northern FM DX

Keith McGinnis, Hingham, MA |  
[longwave@comcast.net](mailto:longwave@comcast.net)



For Dxers in the following states: CT IA ID IL IN MA ME MI MN MT ND NE NJ NY OR PA RI SD VT WA WI WY and all of Canada

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

**All Submissions must be in to me by the 10<sup>th</sup> of the month.**

Jerry Bond  
Irondequoit, NY

DXing mobile in 2014 Chevy Traverse All times EDT

## 7/25 Es

1612 KCBI 90.9 Dallas TX ID.

## 8/11 Es

1026	KLSA	90.7	Alexandria	LA	Classical. RDS-Red River Radio
1029	KQID	93.1	Alexandria	LA	RDS KQID Q93.
1116	WMPN	91.3	Jackson	MS	RDS-Think.
1145	WMBV	91.9	Dixons Mills	AL	RDS-WMBV.

## 8/13 Es

1050	CICB	90.7	Sydney	NS	RDS-CICB Praise FM Sydney.
1146	KJLO	104.1	Monroe	LA	wx, K-104.
1153	KYKS	105.1	Lufkin	TX	local spots. Most music-Kicks 105.
1200	KLSA	90.7	Alexandria	LA	Red River Radio.
1212	KNBB	97.7	Dubach	LA	Fox Sports Radio.
1215	KNCT	99.5	Lake Charles	LA	c/w. countdown show.
1215	KPLX	99.5	Dallas	TX	local spots.
1217	KRMD	101.1	Oil City	LA	RDS-KRMD.
1230	KOYN	93.9	Paris	TX	presumed. N. Texas spots.
1239	KMJX	105.1	Little Rock	AR	The Wolf.
1241	KGGB	106.1	Fairfield Bay	AR	Arkansas's Favorite Music.

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