



VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

NOVEMBER 2021

July 2021...

Veteran TV Dyer and part time inventor S.P. Oradic demonstrates his new portable DTV receiver at his lab in Manisquash, Long Island last weekend where he had no problem watching KREX-2 CO via Es for most of the afternoon.



My gosh, Wilma, this is the neatest thing since sliced bread!!



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:

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The Mailbox

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November 2021

RENEWALS

Since our last issue, renewals have come in from Lee Costic, Les Prus, Rod Jorgenson, Al Earnhardt, Scott Levitt, Andy Bolin, Stephen Kellat and Greg Coniglio. Also we welcome Mauno Ritola as a new member. Mauno lives in Finland. I see his name on AM Dxing lists. We're glad he decided to check us out on the TV and FM side. And for all of you who renewed for another year, a big Thank You!

THE END OF THE TV DX COLUMN

Ryan Grabow writes: As one of those few active TV DXers in the club I thought I'd toss my two-cents into the next VUD Mailbox: I'm sorry to see the TV DX column go, but it's not a surprise. I'm still active on TV (more than FM) and have long been an evangelist for TV DX on YouTube. Some WTFDA members still post DX there regularly (my channel is "Florida TV DX"). I'm planning to relaunch my online logbook (egrabow.com/dx) before tropo picks up again, and I'll start using WLogger this year. Promise.

Not all hope is lost, TV DXers. With my mobile setup I've been making good catches in the Orlando area, and I've been driving to Crystal River, on Florida's Gulf Coast, for the great catches. Open channels can't be taken for granted anymore, but bringing good equipment to the right locations can still produce results. Just remember to hit record. ;)

MEXICAN LOWBAND TV

Bill Hepburn writes: New Lowband DTV's in Chiapas State, Mexico. Mexico has notified the ITU of six new stations :

XHPAFJ-2, Villaflores, 10 kW

XHPAFI-3, Villaflores, 10 kW

XHPAFE-4, San Cristobal de las Casas, 20 kW

XHPAFH-4, Villaflores, 10 kW

XHPAFK-5, Venustiano, 10 kW

XHPAFL-5, Palenque, 35 kW So Now there will be six more Es targets for US TV DXers.



WHAT'S BETTER...ATSC 1.0 OR 3.0

An opinion from Andrew Knafel: I would say that 3.0 is better for DX. I've noticed some DXers logging WWHO a lot, which is the ATSC 3.0 signal in Columbus Ohio. Scott in Bethlehem PA received it recently at over 400 miles, and he didn't have any other Columbus market DTV. Also, I noticed the Cambridge Ohio autologger receives WWHO at 80 miles almost 24/7 while nothing else from the market decodes. I'm about 95 miles from Pittsburgh, and the ATSC 3.0 WPNT decodes really easily. However, the HDHR tuner has problems. It doesn't decode ATSC 1.0 as easily as other tuners, and I've had a problem with the autologger randomly stopping the scan.

Steve Rich: Little by little I'm learning some of the variables with 3.0 DTV. I just witnessed one of these with KPLR 26, St. Louis @ 206 miles. When it first locks the signal and decodes, KDNL (ABC) with QAM16 is the first station out of five to show up with this lighthouse. In spite of lousy weather, it is decoding most of the time this afternoon. If I switch to one of the other stations, like KMOV (CBS), it tries to decode, but there's not enough signal to do so. The remaining three stations are like this too. As soon as I return to KDNL, the tuner quickly locks the signal and decodes video. From what I've been told and read, I'm assuming these four stations that won't lock & decode must be using higher QAM settings, like 64 or 256. A higher QAM means more information is being carried and making it more difficult for the tuner to lock and decode. I'll have to keep a closer eye on this variable.

THE MONTHLY DX ROUNDUP

November 2021 - Nick Langan, Tabernacle, NJ –
nickl@wtfda.org (717)685-9785

5 TROPO LOGS WE SALUTE

10/26: **WTXL-DT**

Tallahassee, FL (Steve Rich,
Payson, IL @ 753 mi.)

10/10: **KENS-DT** San

Antonio, TX (Jim Thomas,
Springfield, MO @ 619 mi.)

10/20: **107.7 KSLZ** St. Louis,

MO (Bobby, Baton Rouge,
LA @ 563 mi.)

10/27: **104.1 WGLF**

Tallahassee, FL (Josh,
Mountain Home, AR @ 629
mi.)

10/5: **162.425 WNG-630**

Finland, MN (Bill Hepburn,
Grimsby, ON @ 638 mi.)

10/26: **WFNA-DT ATSC 3.0**

Gulf Shores, AL (Steve Rich,
Milford, IL @ 687 mi.)

We're changing the format of the longtime TV DX column here – with reports often scattered about and autologgers ruling the day, there's less of a propensity for people to send in their logs in a column format. So, with our eagle eye, we'll post here about interesting logs we've noted, primarily from the WLogger platform.

This will be an extension of the discussion Bryce Foster and I have been opening with on the VHF DX Podcast (listen on Spotify and Anchor). If you have a suggestion for inclusion, please e-mail me at nickl@wtfda.org.

TV DX HIGHLIGHTS

It's the excellence received at Steve Rich's two Illinois remote DTV DX sites that headlines the month that was of DX in October. Long-haul tropo events on the 10th and the 26th into the 27th involved the deep south and the lower portion of the Midwest. Perhaps most notable were Steve's ATSC 3.0 decodes of WJTC-DT Pensacola, FL and WFNA-DT Gulf Shores, AL on the 26th.

Tropo DX generally stayed west of the Appalachians during the month of October, with very little conditions of note in the Northeast and Mid-Atlantic, except for a brief spurt on the 2nd, where Scott Levitt in Bethlehem, PA notched an ATSC 3.0 decode of WWHO-DT Chillicothe, OH @ 406 mi.

FM DX HIGHLIGHTS

During the deep south opening on the 26th-27th, Josh in Mountain Home, AR, Bobby in Baton Rouge, LA, Les Rayburn in Maylene, AL, and Fred Nordquist in Moncks Corner, SC, all had a good degree of success with tropo receptions as far as 600+ mi. Les has continued to have positive results with RabbitEars' FM autologger software and I can 100% vouch for this as well as a great tool to grab RDS decodes unattended.

There was an E-Skip cameo on the evening of the 18th, which a 30-minute opening that actually reached the top of the FM band, with paths by Jeff Lehmann in MA reaching MO, IL, and IN. All in all though from my vantage point here in NJ, one of the poorer Octobers for FM conditions I can recall, despite warm weather.

LOOKING AHEAD

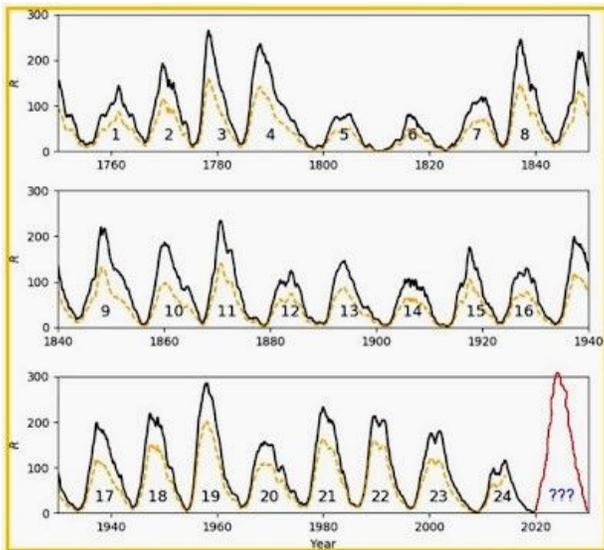
Not looking great here in the east for tropo in the first-half of November, as a below-average temperature weather pattern looks to be in control. The Midwest may be in better shape in the 8-14 day range as there looks to be some temperature moderation to come.



1APRS map the morning of 10/27

Solar Cycle 25 Where Are We Headed?

9 September 2021 | by [Steve VE7SL](#)



*This coming week might be a significant one for the progress of **Solar Cycle 25**. Going forward, the next two months should give us a good indication of just exactly where our latest cycle is heading.*

Cycle 25 is now in its 21st month, having started in November 2019.

One way to gauge the growth of a cycle is by observing the radio energy it emits at 2800MHz (10.7cm).

This '[solar flux](#)' value changes from day to day and from hour to hour, depending mainly on the number of sunspots and their level of activity.

The 2800MHz real-time solar flux units are [published three times per day](#), after being measured at the [Dominion Radio Astrophysical Observatory](#) in Penticton, British Columbia. The 'observed values' are the actual measured levels while the 'adjusted values' reflect compensations for things such as the Sun-Earth distance, background sky noise, solar bursts, atmospheric absorption etc. Of the two values, the '**adjusted value**' is more descriptive of the Sun's true behaviour.

Although far from definitive, comparisons with previous cycles may shed some light on **Cycle 25's** future. We should remember that almost all predictions from various solar physicists called for another very weak cycle, some saying even weaker than **Cycle 24**, the poorest in the past 100 years. Of the many predictions, one that varied substantially from the pack was [one from Dr. Scott McIntosh's team](#).

Their paper called for a **very strong cycle**, possibly the strongest one ever. We should know shortly which path our latest cycle will favor.

Let's compare some of the things now known for sure about **Cycle 25** with **Cycle 19** (strongest ever recorded), **Cycles 21, 22** and **23** (all strong, above average cycles that produced several winters of exciting 6m F2 propagation) and the recently-completed **Cycle 24** (weakest in past 100 years).

A good indicator of a cycle's possible future strength is the time that it takes to ramp-up and to really start building. Usually weaker cycles take much longer to do this so one way of looking at **Cycle 25's** future might be to see how long it took each of these cycles to reach an adjusted solar flux value of 100.

Strong cycles are usually fast risers once growth is triggered. Most cycles start with flux values in the 60s and dither around for months or years with short surges into the 80s and 90s before dropping back again. A flux of 100 seems significant when looking at previous cycles as it is often the level where steady upward growth really begins, with fewer surges to a lower level.

Cycle 19

The 'granddaddy' of them all. It began in April '54 and eventually peaked with a **SSN (Smoothed Sunspot Number)** of 285. The highest solar flux reached was 345. **Cycle 19** took 14 months to hit a solar flux of 100, then dropped back to the 80s for several weeks before ramping up once again. This time it just kept growing. Both hemispheres of the Sun were at similar levels of activity resulting in a cycle with a very strong single peak.

Cycle 21

Another strong cycle following a **weak Cycle 20**. It peaked with a SSN of 233 and produced a high flux level of 365.

Cycle 21 took 16 months to reach a solar flux of 100, dropping down to 70s and 80s for three months before taking off.

Cycle 22

A robust cycle as well with a SSN of 213 and a peak flux of 335. **Cycle 22** took 12 months to reach a solar flux of 100, dropping down again for a month before taking off.

Cycle 23

The third in a row of strong cycles but not as strong as the previous two. **Cycle 23** reached a SSN of 180 and a flux high of 285 and like the others, produced a lot of exciting fireworks on 50MHz.

It took **Cycle 23** just 3 months to reach a flux of 100 where it remained for a week before dropping back to the 70s and 80s for another 10 months. It repeated this 'surge to 100' pattern several times for 8 more months before taking off. Perhaps the original spurt at 3 months was flare-induced and a bit of an anomaly.

Cycle 24

The just-completed weakest cycle in the past 100 years, **Cycle 24** had a SSN of 116 and a peak flux of 253. It took **Cycle 24** a whopping 26 months to reach a solar flux of 100.

Cycle 25

Our present cycle took just 12 months to reach a flux of 100, remaining above this level for 10 days with a peak value of 115 solar flux units. Dropping back below 100, it remained there for 10 months

before this week's present climb back above 100.

This is where we are today, with the solar flux presently at **104**, after climbing steadily for the past two weeks. This is an impressive increase of 30 flux units during the past 27-day rotation period!

From the above comparison, **Cycle 25's** early spurt to a flux level of 100 is very encouraging, while its 10 month sag shortly thereafter was a little discouraging for those expecting things to keep rising.

From looking at previous cycle behaviors, this should now be **Cycle 25's** time to continue rising. If the cycle is to be a strong one, it will need to show some continued growth in the next few months. However, one thing seems almost certain ... we are not looking at a repeat of **Cycle 24**.

All cycles seem content to play in the 70-80 flux zone until triggered into steady upward growth. This triggering or 'terminator' event appears to be related to the final end of the previous sunspot cycle and more particularly, to the end of the [Sun's 22-year magnetic \(Hale\) cycle](#). The arrival of the terminator is a crucial component in the McIntosh papers and identifying its appearance is difficult, until it becomes obvious by a surge in cycle growth. This is the stage we are at presently.

Cycle 25's original strong growth surge to well above 100 flux units, just 12 months after starting, had many wondering if this was indeed the terminator's arrival ... but steady upward growth did not continue.

This week's second surge past 100, has posed the question once again. If indeed this is the terminator's arrival then we should see a continued increase in growth within the next 27-day solar rotation. If this transpires now, it would tend to indicate that **Cycle 25** will be above average in strength. If flux values drop again for several months, this would not be a positive sign. For solar observers, the next two months will be of great interest.

The McIntosh et al. paper describes the relationship between the spacing of terminators and the magnitude of sunspot cycles. Their bold prediction relies on this relationship. Low amplitude cycles correspond to widely separated terminators while strong cycles have shorter separations.

The period between terminators (end of previous cycle's activity) reflects this characteristic. Monster **Cycle 19** had a spacing of just 9.8 years (118 months), while weak **Cycle 24** had a 12.8 year (154 months) wait for the terminator. The spacing for strong **Cycles 21, 22** and **23** averaged 10.5 years.

The last terminator event was 10.75 years (129 months) ago so the urgency for an imminent arrival, signalling an above average cycle is evident.

One more look at the terminator arrival in terms of a cycle's start time may also be of interest.

Cycle 19's terminator event occurred in its 21 month. **Cycle 21** waited for 24 months. **Cycle 22** and

Cycle 23 both waited 27 months, while weak **Cycle 24** had a long wait of 37 months. The average wait for all strong cycles (including Cycle 19) is 24.75 months. Excluding Cycle 19 results in a 26 month average. So far, **Cycle 25** has been waiting 21 months. This may be another positive indicator of a large cycle if the terminator arrives shortly.

Closely following the level of solar activity and more particularly the growth of a new solar cycle has always been a fascinating aspect of my radio activities. I'm also surprised at the number of hams who seem to take little interest or have little understanding of what is happening on the Sun that plays such a crucial role in the propagation of our signals.



I'll be following the daily reports on the Sun's growth carefully over the next few weeks. It's encouraging to see new sunspot regions forming quickly and today another new active area is rotating into view on the eastern (left side) limb. Can you find the new spot in today's image?

Let's all hope that Cycle 25 is about to ramp-up for real this time. If the flux remains above 100 going into the fall, we should see some nice transcontinental activity on 28MHz as was the case for **Cycle 25's** initial flirtation with a flux of 115 in the early winter of 2020. Hopefully the next few rotations will be very exciting!



Northern, Southern Taurids According to the [American Meteor Society \(AMS\)](https://www.americanmeteorology.com/), the Southern Taurids will be active for more than two months, from Sept. 28 to Dec. 2, with a peak on November 4-5 night. This implies the meteor shower will occur on an evening when the moon is 0% full, offering skywatchers a great chance to see it. The Taurids are claimed to be "rich in fireballs," despite the fact that they "seldom" emit more than five meteors per hour even at their peak.

It will be the Northern Taurids' chance to shine on November 11-12. However, because of the moon's 55 percent fullness, there may be some blocking. The simultaneous activity of the Southern and Northern Taurids in October and November might result in an upsurge in fireball activity.

Leonid Meteor Shower Another meteor shower, the Leonids, will peak just a few days later, on November 17-18. Despite the fact that the moon will be almost full on the evening of the peak, skywatchers may expect to observe 15 meteor shower members each hour from now until 2030. The AMS also observed that these are frequently brilliant meteors with a "high percentage of persistent trains," so skywatchers may still be in for a treat.



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AVS Forum, Product Reviews 2020

TV News – November 2021

Douglas E. Smith
Nashville, TN
w9wi@w9wi.com

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.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Alabama			
Berry	31	WSFG-LD	OFF Oct. 3 rd , lightning.
Fayette	15	WSSF-LD	OFF Sept. 28 th , technical difficulties.
Huntsville	17	WAAY-TV	Power increased to 356kw/538m.
Mobile	18	WMPV-TV	Operating at unspecified reduced power of less than 80% since Sept. 27th.
Tuscaloosa	28	WUDX-LD	Granted power increase to 15kw/134m, 33-25-43/88-12-08.
Alaska			
Alyeska	4	K04GP	License canceled Sept. 27 th .
Anchorage	33	KDMD	Requests power increase to 68.6kw/300m, 61-20-09/149-30-56. Granted.
Dillingham	5	K05KF	OFF July 12 th pending conversion to digital.
Homer	8	K08LW	License canceled Sept. 28 th .
Homer	11	K11VP	License canceled Sept. 27 th .
Juneau	24	KXLJ-LD	License canceled Sept. 28 th .
Kasilof	29	K29KH	License canceled Sept. 27 th .
Kenai	8	K08LW	License canceled Sept. 27 th .
Ninilchik	15	K15AG	License canceled Sept. 27 th .
Palmer	50	K50MO	License canceled Sept. 27 th .
Sitka	7	KTNL-TV	Returned to the air Oct. 11th under new ownership.
Arizona			
Flagstaff	30	K30DT	Converted to digital, 1.73kw/626m. (KAZT-TV Prescott)
Phoenix	12	K18JL	From 18, 3kw/469m; amended to 472m.
Tucson	29	KPCE-LP	OFF July 13 th pending conversion to digital; returned to the air in mid-October after conversion.
Arkansas			
Jonesboro	24	K24NY	Power increased to 15kw/473m, 35-53-22/90-56-08 (KAIT)
Paragould	35	K35LN	New to the air, 1.89kw/84m, 36-15-15/90-24-40. Requests power increase to 7kw/29m, 35-57-14/90-41-41; granted.
Paragould	36	K36MT	New to the air, 1.89kw/84m, 36-15-15/90-24-40.
Texarkana	36	K36MU	Requests power increase to 15kw/88m, 33-37-25/93-44-14; granted.
British Columbia			
Burns Lake	7	NEW	AF 102 watts/296m (CBUT Vancouver) See text.
Burns Lake	10	NEW	AF 106 watts/296m (Knowledge Network) See text.
Burns Lake	13	NEW	AF 130 watts/296m (APTN) See text.

Location	RF Ch	Callsign	Notes
California			
Bakersfield	8	K08PT	Requests conversion to digital from analog K24GS, 100 watts/361m, 35-26-16/118-44-29. Granted & converted.
Bakersfield	32	KMPC-LD	Requests power increase to 15kw/377m.
Barstow	30	K30MN	Requests power reduction to 100 watts/64m, 34-53-05/116-53-49.
Ceres	20	K20OO	Requests power reduction to 3kw/16m; granted.
Chico	35	K35OZ	Requests power reduction to 100 watts/-37m.
Fresno	25	K25KY	Requests conversion to digital from analog K03HK, 100 watts/-12m, 36-59-39/119-41-52. Granted & converted.
Indian Wells	6	NEW-764787	Live Sports Radio requests STA, 30 watts/-109m, 33-43-23/116-18-15. Indian Wells Tennis Garden, Mar. 7-22. Granted.
Los Angeles	3	KSGA-LD	See sharing host KVHD-LD.
Los Angeles	3	KVHD-LD	From 40, 700 watts/697m, 34-11-14/117-42-04; granted.
Los Angeles	9	KCAL-TV	Application for new aux, 10.5kw/960m; granted.
Monterey	14	K14TG	New station on the air, 630 watts/154m, 36-33-09/121-47-20.
Pomona	26	KMRZ-LD	Granted move from 22, 2.02kw/700m, 34-11-15/117-42-01.
Porterville	9	KVVG-LD	OFF Oct. 25 th pending move.
Riverside	6	KRMV-LD	Move from ch. 32 withdrawn.
Sacramento	9	KVIE	Requests power increase to 39.5kw/552m (aux); granted & on the air.
Sacramento	33	KMSX-LD	From 42, 12kw/126m, 38-42-28/121-28-36; granted.
Salinas	3	K03IZ	From K42JZ, 100 watts/716m, 36-32-05/121-37-13; granted & on the air.
Salinas	4	K04RS	OFF Oct. 28 th . Antenna must be replaced to accommodate tower owner's decision to host an AM station.
<i>San Diego</i>	<i>6</i>	<i>KRPE-LP</i>	<i>OFF July 17th pending conversion to digital; returned to the air Oct. 7th.</i>
San Diego	35	KVSD-LD	Moved from 26, 15kw, 33-00-32/116-58-19.
San Francisco	11	KPJC-LD	Requests power reduction to 59 watts/381m, 37-41-12/122-26-07; granted.
San Francisco	15	KPJC-LD	From 11 withdrawn; technically infeasible.
Santa Barbara	15	K15JE	License canceled Sept. 27 th .
Santa Barbara	30	K30MV	License canceled Sept. 27 th .
Chihuahua			
Cd. Juárez	30	XHJCI-n	Granted site change, 600 watts/337m, 31-40-14/106-31-09
Cd. Juárez	33	XHJUB-n	Granted site change, 679 watts/337m, 31-40-14/106-31-09
Coahuila			
Torreón	14	XHGDP	Granted power to 61.15kw/167m, 25-31-24/103-27-16.
Colorado			
Denver	10	KHDT-LD	Moved from 31, 3kw/229m.
Evergreen	23	KPDD-LD	Granted power increase to 480 watts/473m, 39-40-32/105-29-04.
Fort Collins	16	KPXH-LD	From 25, 11kw/359m, 40-32-47/105-11-52; amendment from 15kw.
Grand Junction	25	K25FZ	OFF Aug. 29 th pending approval to move to new site.
Grand Junction	30	KKCO	Proposed reassignment from ch. 12, 50kw/452m.
Steamboat Springs	10	KRMZ	Returned to the air Sept. 30th.
Sterling	27	K27KY	Requests power reduction to 100 watts/-7m, 40-36-30/103-08-53.
Vail	22	K48ME	From 48, 100 watts/-261m, 39-36-58/106-27-00.
Florida			
Jacksonville	33	WUJF-LD	Power granted 15kw/238m, 30-16-35/81-33-51; on the air.
Key West	2	WKWT-LD	Power increased to 2.5kw/16m, 24-51-07/80-44-13.

Location	RF Ch	Callsign	Notes
Miami	18	WTXI-LD	Moved from 33, 15kw/248m, 25-59-10/80-11-36; sharing on W17DG.
Panama City	19	WIDM-LD	Requests power increase to 15kw/60m, 30-10-53/85-29-45; granted.
Panama City	25	W16CX	From 16, 12kw/282m, 30-21-09/85-23-28; granted.
Panama City	30	W30EC	License canceled Oct. 21 st .
Panama City	45	W45DJ	License canceled Oct. 21 st .
Tallahassee	21	NEW-181943	Application withdrawn, applicant getting out of broadcasting.
Tampa	27	WTBT-LD	From 45, 15kw/393m, 27-50-52/82-15-49. Requests STA for same facilities pending permanent approval.
Georgia			
Ashburn	11	W29ED	From 29, 3kw/32m, 31-43-41/83-16-51.
Ashburn	33	W31DS	From 31, 8kw/12m, 31-44-33/83-59-18.
Augusta	18	WIEF-LD	Requests STA 7.5kw/124m; to operate at reduced power pending amplifier replacement.
Columbus	31	W31EU	Requests power to 9.6kw/110m, 32-35-55/85-12-20; granted.
Dalton	6	WDDA-LP	OFF July 13 th pending conversion to digital.
Macon	29	WJDO-LD	Requests power to 15kw/135m, 32-44-58/83-33-35; granted.
Savannah	31	W31FE	Converted to digital from analog W14CQ, 2kw/28m, 32-04-07/81-21-23.
Valdosta	21	W21EL	Granted power increase to 9.55kw/129m, 30-42-08/83-06-54.
Young Harris	25	W25FP	Requests power increase to 15kw/281m, 34-57-14/83-43-49; granted. (WGTV Athens)
Idaho			
Blackfoot	29	K29KY	Requests power increase to 15kw/9m, 43-23-15/112-06-51; granted.
Boise	19	KCBB-LD	Moved from 41.
Boise	35	KZAK-LD	OFF Oct. 25 th pending construction of authorized new facilities.
Boise	36	KCDL-LD	From 42, 15kw/47m, 43-27-36/116-14-32; granted.
Idaho Falls	21	K21LI	Requests power reduction to 100 watts/174m.
Lewiston	33	K33LF	Requests power reduction to 100 watts/166m, 46-30-56/116-56-46.
Preston	2	K44HA	Requests STA for this channel, 10 watts/295m, 41-53-54/112-04-55 pending replacement with a microwave link. Presumably this translator serves to relay signals to other translators.
Preston	3	K46HW	Requests STA for this channel, 10 watts/295m, 41-53-54/112-04-55 pending replacement with a microwave link. Presumably this translator serves to relay signals to other translators.
St. Maries	23	K23HT	Requests conversion to digital, 282.5 watts/723m.
Twin Falls	21	K21ME	Requests power reduction to 100 watts/134m, 42-43-47/114-25-01.
Twin Falls	36	K36KU	Requests power reduction to 100 watts/134m, 42-43-47/114-25-01.
Illinois			
Ashton	7	WRDH-LP	License renewal due Aug. 2 nd , not filed. License expired Dec. 1 st if no renewal filed by then.
Aurora	22	WXFT-DT	See sharing host WLS-TV Chicago.
Chicago	3	WUVI-LD	Moved from 20, 3kw/71m, 41-47-19/87-38-43 (58 th & Halstead – looks like an AM tower but there's no other broadcast station licensed for this site)
Chicago	22	WLS-TV	Moved from 44, 845kw/497m (aux)
Freeport	44	WCRD-LP	License renewal due Aug. 2 nd , not filed. License expired Dec. 1 st if no renewal filed by then.
Peoria	27	W27EQ	Requests power increase to 15kw/79m; granted.
Rockford	11	WYCH-LD	Moved from 47, 3kw/48m.

Location	RF Ch	Callsign	Notes
Springfield	12	WCQA-LD	Requests STA 1.64kw/78m. Transmitter is “unbalanced”. Reduced power pending amplifier replacement.
Springfield	21	WEAE-LD	Granted power increase to 15kw/79m, 39-46-51/89-36-18.
Indiana			
Evansville	24	WDLH-LD	Granted power reduction to 585 watts/200m, 37-59-11/87-16-12. New to the air at this power.
Evansville	30	WELW-LD	Requests power reduction to 15kw/73m, 37-58-41/87-33-09; granted & on the air. Back off Oct. 8 th , HVAC issues – and on Oct. 21 st after repairs.
Evansville	36	WEIN-LD	From 40, 15kw/73m, 37-58-41/87-33-09; granted.
Fort Wayne	30	W30EH	Requests STA 2.5kw/89m; to operate at half power pending HVAC repairs. Granted, but back to full power Oct. 7 th due to cooler weather.
Fort Wayne	36	WODP-LD	Requests STA 7.5kw/89m; to operate at half power pending HVAC repairs. Granted, but back to full power Oct. 7 th due to cooler weather.
Indianapolis	4	NEW-764791	Live Sports Radio requests STA, 5 watts/1m, 39-45-51/86-09-50; Indiana Convention Center, Jan. 7-9. (“CFP Media Day”) Granted.
Indianapolis	5	NEW-764797	Live Sports Radio requests STA, 5 watts/1m, 39-45-51/86-09-50; Indiana Convention Center, Jan. 7-9. (“CFP Media Day”) Granted.
Indianapolis	20	WSWY-LD	Granted power increase to 15kw/189m, 39-53-39/86-12-21.
Jeffersonville	29	WJYL-CD	Requests power increase to 15kw/329m; granted & increased.
Iowa			
Cedar Falls	17	K17MH	Requests power increase to 11.7kw/125m, 42-43-45/92-48-41.
Des Moines	31	K31PO	Power reduced to 2kw/42m, 42-02-55/92-57-43.
Iowa City	32	KMEG	Application for new aux, 525kw/515m.
Keokuk	14	K14SU	From K38OX, 15kw/166m; granted.
Marshalltown	17	KDIT-CD	Power reduced to 1.6kw/95m, 41-49-05/93-12-35. Calls changed from KDAO-CD.
Sioux City	32	KMEG	Application for new aux, 525kw/515m, but withdrawn. Then refiled & granted.
Jalisco			
El Arenal	24	XHGA-n	Granted site change, 435 watts/-78m, 20-46-44/103-41-38.
Kansas			
Wichita	29	K29NL	Moved from K15DD, 15kw/148m, 37-46-26/97-30-53.
Kentucky			
Bowling Green	35	WCTZ-LD	Requests STA 5.9kw/321m; to operate at reduced power pending replacement of damaged cooling fans. Station is in Nashville, Tenn..
Louisville	18	WMYO-CD	Requests power increase to 11.2kw/329m; granted & increased.
Paducah	18	WQWQ-LD	From 9, 3.7kw/6m, 37-10-51/89-05-41; granted. OFF Oct. 4 th pending construction of these facilities.
Louisiana			
Alexandria	4	K04SA	From K38NR, 3kw/109m; granted.
Baton Rouge	26	WRUG-LD	Power reduced to 1.7kw/27m, 30-37-44/91-00-10; calls from WEAZ-LD.
Hammond	35	KGLA-DT	Moved from 42, 681kw/309m.

Location	RF Ch	Callsign	Notes
Houma	30	KFOL-LD	Requests STA for temporary facility on Robert Bergeron Government Tower. 2.73kw/35m, 29-35-52/90-43-06. STA granted; returned to the air under this STA Sept. 24 th .
Lake Charles	14	KYHT-LD	Moved from 43, 15kw/86m, 30-15-10/92-56-43.
Monroe	29	K29NC	Moved from K45IM, 15kw/150m.
New Orleans	22	WTNO-LP	Requests STA 1.6kw/93m. Transmitter damaged by Hurricane Ida. Withdrawn; station returned to full power Sept. 30 th .
Shreveport	21	K21OZ	Power reduced to 2kw/61m, 32-44-14/93-39-25.
Massachusetts			
Dennis	18	WMPX-LD	Requests power reduction to 350 watts/39m, 42-00-33/71-19-15; granted & reduced.
Edo. Mexico			
Ixtapaluca	31	XHGC-n	Permit granted for new relay, 420 watts/134m, 19-20-27/98-53-43. But canceled.
Valle de Chalco	11	XHTDMX-n	Previous permit to change power canceled, but granted new change to 7kw/-38m, 19-18-36/98-56-35.
Michigan			
Detroit	21	WWJ-TV	Application for new aux transmitter, 750kw/327m. Granted.
Mount Pleasant	28	WBWM-LD	Requests power reduction to 1kw/55m, 43-26-11/85-14-00; granted.
Pinconning	22	WKNX-LD	Requests power increase to 15kw/117m, 43-28-24/83-50-40; granted.
Sault Ste. Marie	8	WGTQ	Power increased to 60kw/288m.
Traverse City	36	W36FH	Requests power increase to 15kw/106m, 44-44-59/85-43-05; granted.
Michoacan			
La Piedad	17	XHCCG	Granted power to 10.31kw/690m, 20-18-15/102-06-53.
Minnesota			
Duluth	32	KMYN-LD	Calls changed from K18KU.
Minneapolis	26	WDMI-LD	Requests STA for this channel, 1kw/166m. PDF with reason is not readable but it appears to have been bumped from ch. 31 by KARE.
Minneapolis	32	WCCO-TV	Operating at reduced power of 750kw/456m since Oct. 1st pending construction of other antennas on the same tower.
St. Cloud	17	KMWE-LD	Granted power to 7.5kw/28m, 45-08-29/93-37-03.
St. Cloud	28	K28PQ	STA withdrawn; transmitter repaired & station returned to full power Sept. 14 th .
Worthington	18	K18MO	Returned to the air Sept. 21 st .
Mississippi			
Bruce	14	WYMP-LD	Requests power increase to 1.5kw/43m, 34-59-20/89-41-13; amendment to change site.
Clarksdale	20	W20DW	Granted power reduction to 4kw/8m, 34-09-20/90-37-56; new to the air with these parameters.
Hattiesburg	22	WHLT	Operating at reduced power of 700kw since Oct. 15th due to tube failure.
Missouri			
Columbia	6	K06PT	Requests power increase to 3kw/165m, 39-00-52/92-16-33.
Columbia	35	K35OY	Granted power increase to 15kw/116m, 38-47-54/92-17-22.
Iberia	32	K32OW	Granted power increase to 15kw/137m, 38-09-52/92-36-13.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Kansas City	18	KCPT	Requests STA 645kw/152m; granted. Temporary antenna pending repairs to feedline.
Springfield	25	KFKY-LD	Requests STA 5.355kw/138m. Returned to full power Oct. 18 th .
Montana			
Billings	15	K15JL	Requests power reduction to 100 watts/2m, 45-49-36/108-31-05.
Billings	18	KSVI	Silent STA withdrawn; on the air at approximately 50% power since Sept. 28th due to transmitter failure.
Butte	29	K29JT	Requests power reduction to 100 watts/-207m, 46-06-41/112-24-51. Amended to 100 watts/75m, 45-55-11/112-25-00. Granted.
Glendive Junction	47	K47MN	License canceled Sept. 28 th .
Hamilton	25	K25LO	Requests power reduction to 100 watts/-245m, 46-16-25/114-09-15.
Helena	22	K22OH	Requests power reduction to 100 watts/-120m, 46-41-42/112-01-26.
Joplin	32	K32NN	From K38DZ, 4.928kw/858m.
Joplin	33	K33PR	From K42DD, 4.928kw/858m.
Joplin	34	K34PM	From K51KO, 4.928kw/858m. (KFBB-TV Great Falls)
Joplin	35	K35OF	From K40DG, 4.928kw/858m. (KUGF-TV Great Falls)
Joplin	36	K36DK	Requests power increase to 4.928kw/858m.
Philipsburg	15	K15KW	From K40LF, 39 watts/480m, 46-15-49/113-15-03; granted. (KSPS-TV Spokane, Wash.)
Philipsburg	17	K17JS	Requests power increase to 39 watts/480m. (KECI-TV Missoula) Granted.
Philipsburg	25	K25LF	Requests power increase to 39 watts/480m. (KPAX-TV Missoula) Granted.
Philipsburg	30	K30KY	Requests power increase to 39 watts/480m. (KTMF Missoula) Granted.
Nebraska			
Lincoln	15	KIUA-LD	Requests power to 15kw/79m; amendment from 99m. Granted.
Omaha	36	K36QD	Power reduced to 2kw/153m, 41-23-27/96-54-25; from Norfolk.
Nevada			
Incline Village	27	KXNV-LD	New station on the air, 15kw/877m, 39-18-49/119-53-04 (KOLO-TV Reno)
Laughlin	33	K33MB	License canceled Sept. 27 th .
Reno	5	K05NL	Requests power to 3kw/177m, 39-35-03/119-47-56; granted.
Reno	6	NEW-182560	Requests power to 3kw/177m, 39-35-03/119-47-56.
New Hampshire			
Westmoreland	15	WYBM-LD	Calls changed from W15DV
New Jersey			
Glassboro	26	WQAV-CD	Granted site change to 15kw/200m, 40-02-20/75-14-13.
Middletown Township	3	WJLP	Requests power increase to 26.5kw/340m; Application for new aux, 9kw/476m, 40-42-47/74-00-47; granted & on the air.
Newark	26	WFUT-DT	Requests power increase to 275kw/397m, 40-44-54/73-59-09.
Paterson	26	WXTV-DT	See sharing host WFUT-DT Newark.
New Mexico			
Santa Fe	25	KQDF-LD	Returned to full power Oct. 15 th .
Tucumcari	23	K50CX	Returned to the air Aug. 24 th on this channel.

Location	RF Ch	Callsign	Notes
Tucumcari	24	K24NF	Returned to the air Aug. 24 th , ex-K40DK.
Tucumcari	26	K26OJ	Returned to the air Aug. 24 th , ex-K46BU.
New York			
Albany	32	WBAX-LD	License canceled Oct. 28 th .
Glens Falls	47	W47CM	License canceled Oct. 28 th .
New York	6	WNYZ-LP	Converted to digital, ATSC 3.0. I'm not aware of a KBKF STA on this station, although it had been operating as a "FrankenFM" before converting to digital.
New York	13	WASA-LD	See sharing host WKOB-LD.
New York	13	WKOB-LD	From 2, 3kw/415m, 40-42-47/74-00-47; granted.
New York	23	WXNY-LD	Requests STA 1kw/300m, 40-44-54/73-59-09; temporary displacement facility on the Empire State Building. Returned to the air Oct. 12 th under this STA.
New York	28	WNYJ-LD	Requests permanent permission for 3.25kw at the same site. Granted power reduction to 1.2kw/125m, 41-22-07/73-44-38. Volz Park west of Brewster; reduced.
New York	30	WNJJ-LD	From 41, 15kw/159m, 40-47-17/74-15-18; granted. (WNSH-94.7 tower, West Orange, New Jersey)
Newburgh	28	WEPT-CD	Granted power reduction to 1.2kw/111m, 41-22-07/73-44-38.
Syracuse	16	WZLH-LD	OFF Oct. 19 th , building maintenance issues.
North Carolina			
Bakersville	42	W42AX	License canceled Oct. 27 th .
Brevard	19	W19DD	License canceled Oct. 27 th .
Bryson City	46	W46AX	License canceled Oct. 27 th .
Burnsville	35	W35CO	Requests STA 1kw/463m to avoid interference to nearby land-mobile receivers.
Canton	27	WUNW	Converted to six-site DTS: Site #1: 115kw/505m, 35-34-07/82-54-26; original main site. Site #2: 900 watts/429m, 35-10-36/82-40-54; x-W19DD Brevard Site #3: there is no site #3 Site #4: 940 watts/321m, 36-02-00/82-12-09; x-W42AX Bakersville Site #5: 880 watts/570m, 35-07-57/82-59-01; x-W42DF Cashiers Site #6: 940 watts/280m, 35-24-47/83-30-02; x-W46AX Bryson City. Site #7: 940 watts/-146m, 35-18-12/83-10-40; x-W47DM Cullowhee.
Cashiers	42	W42DF	License canceled Oct. 27 th .
Cullowhee	47	W47DM	License canceled Oct. 27 th .
Franklin	31	W31DH	Operating at approximately 25% power since Oct. 22 nd due to HVAC failure.
Greenville	35	WPDU-LD	Requests power increase to 15kw/189m, 35-26-43/77-22-07; granted; calls from W35DW.
Kinston	26	WARZ-LD	Calls changed from WTMH-LD.
Raleigh	34	WACN-LD	Requests digital conversion, 4kw/49m, 36-03-56/79-13-45; granted & back on the air in digital.
Smithfield	23	WNGT-CD	Requests power increase to 15kw/217m, 36-14-55/79-39-20. Calls changed from WARZ-CD.
Spruce Pine	10	W10AK	OFF Sept. 21 st , equipment delivering WYFF signal to translator failed. Returned to the air Oct. 14 th .

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
North Dakota			
Fargo	15	K15MR	Requests power increase to 15kw/82m; granted & on the air.
Nuevo Laredo			
Guadalupe	11	XHFN-n	Granted power to 86.82kw/-12m, 25-38-29/100-12-00.
Ohio			
Cleveland	13	W13DS	Requests site change to 41-45-26/81-02-29; granted & moved. (I-90 & Ohio 528, Madison)
Cleveland	20	WTCL-LD	OFF Sept. 20 th pending technical changes; returned to the air Oct. 15 th . Calls changed from WLFM-LD.
Columbus	25	WCPX-LP	Converted to digital from analog ch. 48, 15kw/119m, 40-01-31/83-01-45
Toledo	6	WDMY-LP	Requests conversion to digital from W38DH, 1.5kw/73m, 41-44-41/84-01-06.
Toledo	11	WTOL	Power increased to 26kw/305m.
Toledo	18	WDTJ-LD	Requests power increase to 14kw/131m.
Zanesville	29	WOOH-LD	Requests power increase to 15kw/74m, 40-00-37/83-11-19; granted.
Oklahoma			
Altus	21	KKTM-LD	Granted conversion to digital from analog ch. 17, 2.1kw/47m, 34-38-53/99-20-25.
Ardmore	20	K20OH	From K24IW, 100 watts/33m, 34-06-07/96-52-48; granted & moved.
Ardmore	22	K22JQ	Requests power reduction to 100 watts/33m, 34-06-07/96-52-48.
Ardmore	26	K19II	From 19, 100 watts/33m, 34-06-07/96-52-48.
Tulsa	35	KEGG-LD	Moved from 19.
Oregon			
Astoria	14	K15IQ	Move from 15 dismissed. Granted site change to 46-34-03/123-36-01.
Astoria	36	K36LI	Granted power reduction to 5kw/332m, 46-15-45/123-53-13.
Bend	28	K28MH	Requests power reduction to 100 watts/559m, 44-11-52/120-58-44; granted.
Eugene	6	K06QR	Granted power increase to 390 watts/274m, 44-00-07/123-06-54. New to the air at this power level.
Eugene	25	KCKW-LD	Requests power reduction to 100 watts/208m, 44-00-07/123-06-54.
Klamath Falls	23	K23PA	Requests power reduction to 100 watts/57m, 42-12-18/121-41-16; granted.
Medford	20	K20KV	Granted power reduction to 100 watts/195m, 42-26-47/123-03-26.
Newport	18	K18FR	Granted STA 2.912kw/316m; station operating at reduced power of 2.5kw since amplifier failure has been able to increase power, but not to fully authorized level. Granted permanent modification to these parameters.
Pennsylvania			
Altoona	33	W33EM	Requests power increase to 2kw/64m, 40-00-47/78-53-21; amendment to change site. City from Pittsburgh. Granted & increased. Site is east of Shanksville, about two miles east of the Flight 93 Memorial.
Harrisburg	10	WHTM-TV	Power increased to 28.1kw/311m.
Lebanon	31	WLHY-LD	Returned to the air Oct. 15 th .
Philadelphia	5	NEW-764779	Live Sports Radio requests STA, 5 watts/28m, 39-57-09/75-09-38; Downtown Marriott, Nov. 7-10.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
			Supersedes ungrantable application for channel 6. Granted.
Pittsburgh	36	W36FK	Power reduced to 3kw/67m, 41-11-18/79-22-14; city from Altoona. Site is near Clarion.
Pottsville	29	W28DP	Moved from 28. (WNEP-TV Scranton)
Red Lion	10	WGCB-TV	See sharing host WHTM-TV Harrisburg.
Scranton	32	W32FP	Power changed to 2.5kw/153m, 41-51-49/75-48-35.
State College	26	W42DG	Moved from 42, 15kw/299m, 40-43-00/77-53-34 (WJAC-TV Johnstown)
Puebla			
Cd. Serdán	36	XHTM-n	Granted site change, 96 watts/-51m, 18-59-17/97-26-55.
Puerto Rico			
Caguas	11	WLII-DT	Requests power increase to 180kw/354m. This appears to exceed the high-VHF maximum of 160kw. (It does. Amended to specify 160kw instead.)
Fajardo	13	WORO-DT	Requests power reduction to 38kw/839m; granted & reduced.
Mayaguez	44	WKHD-LD	Calls changed from W44DW.
Naguabo	21	W21DD	License canceled Sept. 27 th .
Naguabo	25	W25FD	License canceled Sept. 28 th .
Ponce	24	WQQZ-CD	Returned to full power Oct. 15 th .
San Juan	2	NEW-182027	Application withdrawn, applicant getting out of broadcasting.
San Juan	22	WSJN-CD	Moved from 20, 12.7kw/337m.
San Sebastian	33	WJWN-TV	Requests STA 280kw/626m; to operate at reduced power on backup transmitter until new filter can be installed. STA granted. Off entirely Sept. 29th pending new filter.
Toa Baja	22	WELU	See sharing host WSJN-CD San Juan.
South Carolina			
Charleston	34	WGWG	Operating at unspecified power of less than 80% since Oct. 12th, equipment failure.
Florence	33	W33DN	Requests power reduction to 6.8kw/105m, 34-21-43/79-45-05.
Murrells Inlet	8	WGSC-CD	Granted power reduction to 800 watts/80m, 33-33-52/79-03-07 & reduced.
Murrells Inlet	8	WGSJ-CD	See sharing host WGSC-CD.
Myrtle Beach	31	W31EM	Returned to the air Aug. 30 th on this channel, ex-ch. 26, 15kw/106m, 33-36-03/79-03-04.
South Dakota			
Pierre	27	K27HJ	OFF Oct. 6 th , power amp failure.
Tamaulipas			
Nuevo Laredo	23	XHLNA	Granted site change, 19.19kw/19m, 27-29-13/99-30-07
Nuevo Laredo	33	XHLAT	Granted site change, 27.63kw/27m, 27-29-13/99-30-07
Tennessee			
Jackson	17	W17EI	Requests power reduction to 2.5kw/14m, 35-39-41/88-51-25; granted. New to the air.
Jackson	18	WGDG-LD	Granted further power reduction to 2.5kw/-9m, 35-52-53/87-47-52. Site appears to be a Quality Inn at I-40 and Tennessee 13. Power reduced.
Lebanon	29	W29FR	Returned to the air Oct. 11 th . Using old WJFB-44 tower near Gladeville. Reported relaying WSMV-4 (RF 10)

Location	RF Ch	Callsign	Notes
Memphis	16	WWWN-LD	OFF Oct. 1 st pending antenna replacement.
Nashville	9	W09DM	Returned to the air Oct. 16 th . Topgolf, same site as WXNA-LP 101.5.
Nashville	15	W15ER	Returned to the air Oct. 16 th . Topgolf, same site as WXNA-LP 101.5.
Nashville	24	WNPX-LP	Requests conversion to digital from analog ch. 20, 12kw/222m, 35-55-20/86-42-46. (old WNAB-58 analog tower, Nolensville-Clovercroft Road) Granted.
Nashville	35	WCTZ-LD	See Bowling Green, Kentucky.
South East Memphis	34	WFBI-LD	OFF Oct. 1 st pending antenna replacement.
Texas			
Abilene	10	K10QL	Granted power increase to 100 watts/-16m, 32-26-53/99-42-55.
Abilene	31	KEOT-LD	Granted power reduction to 100 watts/-16m, 32-26-53/99-42-55.
Amarillo	24	K24NR	Granted conversion to digital from analog K45IQ, 50 watts/13m, 35-13-28/101-39-10. Converted.
Amarillo	35	KMZB-LD	Requests power reduction to 1.2kw/43m, 35-17-33/101-50-50. Granted.
Austin	7	KTBC	Requests power increase to 98.6kw/208m for aux. Granted.
Beaumont	31	NEW-181658	Application withdrawn, applicant getting out of broadcasting.
Centerville	20	K40KX	From K40KX, 4kw/23m, 31-03-59/95-31-35; granted & moved.
College Station	27	KNXG-LD	Requests power increase to 15kw/423m, 30-33-17/96-01-52 (KBTX-TV Bryan) Granted. Same tower as KBTX. I suspect ATSC 3.0 is planned, similar to the arrangement between WCTV near Tallahassee and WNXG-LD there.
College Station	36	K36LD	Requests power to 15kw/83m, 30-39-40/96-25-00; granted.
Corpus Christi	13	KRIS-TV	Requests STA 680 watts/295m; auxiliary antenna while main antenna is replaced with one for new channel 26. Granted.
Corpus Christi	16	KXCC-LD	OFF Oct. 4 th , HVAC issues.
Corsicana	7	K07AAF	From K25FW, 3kw/312m, 32-35-20/96-58-06; granted.
Fort Worth	24	KXAS-TV	Permit granted for new aux, 391.7kw/453m & on the air.
Hereford	27	KYAM-LD	Moved from 44.
Houston	14	KVQT-LD	Moved from 21, 15kw/400m.
Houston	28	KUGB-CD	Requests STA 10.5kw/487m; to operate at reduced power pending repairs.
Jolly	19	K19KE	Requests power increase to 15kw/283m, 33-54-04/98-32-22; granted.
Killeen	15	KZAU-LD	Moved from 13, 15kw/87m, 30-58-03/98-12-58.
Laredo	7	NEW-181638	Application withdrawn, applicant getting out of broadcasting.
Laredo	9	NEW-181637	Application withdrawn, applicant getting out of broadcasting.
Midland	12	K12XO	Requests power reduction to 100 watts/2m, 32-02-55/102-18-06.
Midland	31	K31LL	Requests power reduction to 100 watts/2m, 32-02-55/102-18-06. Granted & on the air.
Nacogdoches	15	KYTX	New aux on the air, 393kw/411m.
San Antonio	6	KFLZ-LP	Requests power increase to 3kw/35m, 29-21-31/98-21-08; granted.
Sherman	28	K28QF	OFF Sept. 29 th , transmitter damage from power outage. Returned to the air Oct. 27 th .
Utah			
Wendover	31	K27KM	From 27, 100 watts/32m, 40-44-45/114-06-21.
Vermont			
Manchester	2	WHNH-CD	Calls changed from WYCX-CD.

Location	RF Ch	Callsign	Notes
Virginia			
Richmond	36	WRID-LD	Requests power reduction to 15kw/212m, 37-30-23/77-30-11; granted.
Washington			
Everett	31	KONG	Requests power to 701kw/213m; granted & changed.
Pasco	28	K28QK	From K39MC, 15kw/159m, 46-06-55/119-01-35; granted.
Seattle	20	K20NF	From K23KI, 5kw/234m, 47-37-54/122-21-03; granted.
Sunnyside	50	K50LM	License canceled Sept. 28 th .
West Virginia			
Clarksburg	21	W21EB	Granted power reduction to 100 watts/129m, 39-16-32/80-17-43; new on the air. Requests power increase to 5kw/123m, 39-22-47/80-11-19; granted.
Clarksburg	28	W28EX	Granted power reduction to 100 watts/129m, 39-16-32/80-17-43; new on the air. Requests power increase to 10kw/123m, 39-22-47/80-11-19; granted.
Clarksburg	29	W29FK	Granted move from W19DU, 100 watts/129m; moved. Requests power increase to 10kw/123m, 39-22-47/80-11-19; granted.
Parkersburg	21	W21EA	From W24DS, 100 watts/56m, 39-15-20/81-23-51; granted & moved.
Wisconsin			
Eau Claire	23	W23FC	Granted power reduction to 15kw/150m, 44-52-59/91-35-14. New to the air.
Green Bay	23	WBAY-TV	Returned to full power Oct. 16th.
La Crosse	26	WZEO-LD	Calls changed from W33DG.
Tomah	35	WEZY-LP	Requests conversion to digital from analog ch. 51; granted.
Wausau	34	WRJT-LD	Calls changed from W34EO.
Wyoming			
Casper	12	KCWY-DT	Power increased to 16.5kw/553m.
Gillette	16	K16AE	Requests power reduction to 770 watts/109m, 44-18-17/105-33-55; granted.
Jackson	19	K19FG	Power increased to 900 watts/277m, 43-27-43/110-45-13 (KCWC-DT Lander)

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

It doesn't explicitly say the three new translators in Burns Lake, British Columbia are digital. However, it does specify their frequencies in terms of the center of the TV channel – which was never practice in analog but is common for digital stations. Analog stations already existed here on channels 7 and 13.

REGULATORY UPDATES

A large number of FCC regulations were obsoleted by the conversion to digital. The Table of DTV Allotments has also become rather outdated. In late October, some of these regulations were updated or deleted as necessary.

Regulation	Disposal
1.420(a) (g) (h) (l)	Amended
73.606	Amended
73.622(b)	Deleted
73.622(i)	Deleted
73.622(j)	Added
73.3700(f)	Deleted

73.606 contains the final *analog* Table of Allotments. One would think this regulation would be obsolete & could be deleted. However, that would have an unexpected (and serious) side-effect. Federal law establishes the right of non-commercial TV stations to be carried on cable. It defines such stations in terms of 73.606. Deleting this regulation could result in PBS stations being dropped from cable.

31 other full-power regulations and 17 LPTV regulations have been amended to remove references to channels 38-51, no longer available and to analog operation.

There are still quite a few obsolete regulations left on the books. Some would include:

Regulation	Purpose
73.614(b)	Establishes maximum power for analog stations, including those in channels 38-69.
73.682	Technical standards for analog transmission.
73.698	Table of “taboos”, channels unavailable for <i>analog</i> service if another specific analog channel is in use nearby.

Channels 70-83 still appear in 73.698! So does channel 37.

The Commission plans to revisit these and other no-longer-relevant regulations in the near future.

FRANKENFM REPORTS

A number of “FrankenFMs” requested, and received, Special Temporary Authority (STA) to operate simultaneously in ATSC 3.0 and analog FM on channel 6. The Commission imposed several conditions on these STAs. One of them was to submit a report every 90 days. The report was to disclose any complaints of interference, either to other stations or between the station’s own digital TV and analog radio signals. It was also to establish whether the coverage areas of the analog and digital signals were similar.

WMTO-LD, Norfolk, Virginia has submitted its first report. It seems to show success.

Firstly, no reports of interference of either kind have been received. Next, the station loaded an ATSC 3.0 receiver and a set of rabbit ears in a car and sampled the digital TV signal at seven locations between 100 feet and 17 miles from the tower. TV reception happened at all seven sites. They also sampled the analog FM signal (using the car radio) and found clean reception at all sites.

While these results are promising, I'm not sure they're conclusive. They do show the analog FM component works in the real world. I doubt most engineers would be surprised by that result. Digital TV transmitters have extremely tight filtering and can be counted on to keep the transmitted signal within the desired spectrum. ATSC 3.0 allows "tweaking" of the spectrum in a way that keeps the TV signal away from the FM. (you couldn't do that with ATSC 1.0)

On the TV side though... a very expensive professional monitoring receiver was used. I'm not sure an ordinary consumer TV would have handled the analog FM signal within the channel. In WMTO's defense, consumer ATSC 3.0 receivers are big-screen TVs. You can't operate one in a car.

The TV station has zero publicity. If you Google on "wmto-ld" the first three hits are the RabbitEars listing; the FCC database entry; and the station's Wikipedia page. Googling on "tv channel 6 norfolk virginia" yields the RabbitEars listing again, and then three unrelated Norfolk TV stations. The station's entire identity is "Streetz 877", the analog radio station. Their website makes no mention of TV whatsoever.

It is conceivable the analog FM signal is indeed preventing TV reception on an ordinary consumer receiver – but it is conceivable literally *nobody* is watching the TV signal.

ILLINOIS EXPIRATIONS

Broadcast stations are required to file renewal applications four months before expiration. This gives the Commission time to review the applications and act. If the Commission is unable to complete action on a pending renewal application, the station is allowed to continue to operate until a decision is reached. (in practice, it is nearly unheard of for a license renewal to be denied.)

Licenses for all stations in a state expire on the same date. In the case of Illinois, that date is December 1st. Four months before that is August 1st. (since August 1st was a Sunday, the effective deadline was the 2nd.)

Two LPTV stations in that state failed to file renewal applications by August 2nd. However, as I write in late October, their licenses have not yet expired. General practice has been, if they file renewals before Dec. 1st, the FCC *will* act on (and probably approve) those renewals. However, the stations will face a modest fine for failing to renew on time.

The last licensed facilities of both stations are analog – WCRD on channel 44, WRDH on channel 7. Analog facilities were expected to be shut down last July 13th. Both stations also have permits to convert to digital – WCRD on channel 9, WRDH on channel 26. No license to cover has yet been filed on either.

VANISHING NORTH CAROLINA TRANSLATORS

The five North Carolina translators canceled on Oct. 27th have been converted to DTS transmitters of WUNW Canton. Operating as a DTS makes it easier to find a useful post-repack channel...



Abbreviations:

AF- New Station Applied For
Aux- Auxiliary Backup Transmitter
CC- Call Change
CL- City of License
CX- Canceled

NS- New Station Permit Granted
NW- New Station on the Air
PC- Power/Height Change Granted
PG- Power Change Granted
QG- Frequency Change Granted

RA- Returns to the Air
ROA- Request of Applicant
XG- new site granted
XC- transmitter site changed
PR/QR- Power or Freq requested

November 2021

ALAS Crooked Creek 89.5 NEW-198150 NW 90w-V/-137m, 61-51-48/158-08-18 (KSKO-89.5 McGrath)
 ALAS Juneau 101.7 K269AO PC>250w/-369m, 58-18-05/134-25-14 (KXLL-100.7 studio feed)
 ALAS Juneau 101.7 K269AO PC>250w/-369m, 58-18-05/134-25-14 (KXLL-100.7 studio feed)
 ALAS Juneau 103.1 K276AF PC 250w/-321m, 58-18-05/134-25-14 (KRNN-102.7 studio feed)
 ALAS Juneau 103.1 K276AF PC>250w/-369m, 58-18-05/134-25-14 (KRNN-102.7 studio feed)
 ALAS Moose Pass 96.1 K241CD PG<250w/-502m, 60-29-13/149-22-03 (KIBH-FM 91.7 Seward via K246CD)
 ALAS Moose Pass 96.1 K241CD PR<250w/-502m, 60-29-13/149-22-03 (KIBH-FM 91.7 Seward via K246CD)
 ALBE La Crete 99.9 NEW AF denied, 47 watts/24m. Proposed an ethnic station, but it would serve only one ethnicity. (Mennonites, in Low German) Canadian ethnic stations are generally expected to serve a variety of ethnic groups. Most programming would originate outside Canada.
 ARIZ Casas Adobes 95.3 K237FX PG>250w/595m (KLTU-88.1 Mammoth OTA)
 ARIZ Lake Havasu City 105.7 K289CU QG from K290CG-105.9, 250w-V/92m, 34-29-10/114-13-11 (KRCY-FM 96.7 OTA)
 ARIZ Parker 90.3 KWFH PR>3.5kw/761m, 34-33-06/114-11-40
 ARIZ Phoenix 94.1 K241CS OFF Oct. 2nd, station is in receivership.
 ARKA Johnson 95.3 K237GR PG<44w/172m, 36-08-50/94-11-14 (KAKS-99.5 Goshen via Internet)
 ARKA Johnson 95.3 K237GR PR<44w/172m (KAKS-99.5 Goshen via Internet)
 ARKA Texarkana 107.5 K298DB NW 250w/151m, 33-27-25/94-11-00 (KOSY-790 via microwave)
 CALI Arcata 107.3 K297BY NW 250w/433m, 40-43-36/123-58-29 (KATA-1340 via microwave)
 CALI Big Bear Lake 105.5 KWBB-LP OFF Aug. 7th, lost site.
 CALI Carmel Valley 91.3 KZBV PR>70w/375m, 36-29-23/121-47-12
 CALI Chualar 88.5 K203FM QG from K219LL-91.7, 10w/656m (KZBV-91.3 Carmel Valley)
 CALI Cottonwood 92.1 NEW-762170 NS 6kw/63m, 40-25-08/122-17-00 (Bustos Media Holdings)
 CALI Dinuba 98.9 KSOF Granted STA 2.5kw-V/124m, 36-49-07/119-30-36; emergency antenna at KHGE-102.7 site after licensed site was destroyed by KNP Complex fire.
 CALI Eureka 92.7 K224ER NW 250w/436m, 40-43-36/123-58-29 (KGOE-1480 via Internet)
 CALI Fairfield 91.5 KASK PR>170w/213m
 CALI Fort Bragg 98.5 NEW-762184 NS 3.5kw/135m, 39-27-53/123-45-32 (Rubin Broadcasting)

CALI Lenwood 107.3 KIXW-FM PC 2.25kw/165m, 34-51-22/117-03-02
 CALI Lenwood 96.9 KHDR PC 2.25kw/165m, 34-51-22/117-03-02
 CALI Manton 94.3 KRBN PC 2.1kw/343m, 40-29-18/121-54-03
 CALI Monterey 102.9 K275CU OFF Sept. 15th, lost lease.
 CALI Muscatel 100.3 K262DK NW 100w-V/11m, 36-46-46/119-51-34 (KAAT-103.1 Oakhurst OTA)
 CALI Randsburg 102.9 NEW-762232 NS 360w/401m, 35-28-41/117-41-59 (ENT Inc.)
 CALI Red Bluff 92.5 KNKJ-LP PC<100w/-14m, 40-09-12/122-15-28
 CALI Red Bluff 92.5 KNKJ-LP PG<100w/-14m, 40-09-12/122-15-28
 CALI San Francisco 96.1 KUSF-LP CC from KPEA-LP
 CALI Santa Cruz 89.9 KFER PR>68w-H/331m, 37-06-27/121-53-50
 CALI Tulare 94.9 KBOS-FM Granted STA 2.5kw-V/124m, 36-49-07/119-30-36; emergency antenna at KHGE-102.7 site after licensed site was destroyed by KNP Complex fire.
 CALI Two Harbors 89.1 KCFH PR>45w/553m, 33-23-13/118-24-04
 CALI Vacaville 103.1 K276EK PR>20w/211m (KLVS-107.3 Livermore OTA)
 CALI Visalia 92.9 KFSO-FM Granted STA 2.5kw-V/124m, 36-49-07/119-30-36; emergency antenna at KHGE-102.7 site after licensed site was destroyed by KNP Complex fire.
 CALI Walnut 104.7 KQEV-LP PC 29w/55m, 34-03-54/117-50-46
 CALI Watsonville 104.7 KAPU-LP PG<100w/-67m, 36-54-16/121-45-35
 COLO Manitou Springs 102.1 K271CK PR<75w/-66m, 38-45-41/104-47-06 (KXRE-1490)
 COLO Norwood 100.3 K208FF QC from 89.5
 COLO Wray 88.7 KHTU QR from 88.1, 6kw-V/86m, 40-03-30/102-11-22
 COLO Yuma 93.1 K226DA QG from K229DM-93.7, 250w-V/91m, 40-01-28/102-40-00 (KSIR-1010 Brush via Internet)
 CONN Bridgeport 107.3 W297CP NW 250w/68m, 41-09-39/73-09-53 (WICC-600 via microwave)
 FLOR Clewiston 88.5 WQJS CC from WJCB
 FLOR Fort Pierce 91.1 WQCP CC from WJFP
 FLOR Fort Walton Beach 106.9 NEW-762446 NS 2.85kw/147m, 30-24-35/86-37-24 (Eugene Cella)
 FLOR Fort Walton Beach 107.5 W298CV PG<250w/73m, 30-24-43/86-37-13 (WFTW-1260 OTA)
 FLOR Gainesville 90.1 WMBT-LP Requests STA 21w/6m, 29-40-21/82-19-34; lost site.
 FLOR Inglis 104.3 WXZC PR<5.7kw/112m. I do not envy the person who has to read the station identification for this one!
 FLOR Nokomis 107.5 W298AV XG 250w/56m, 27-09-04/82-27-50 (WENG-1530 Englewood via Internet)
 GEOR Dalton 104.5 WYYU PR>13.5kw/87m
 GEOR Dawson 98.1 WMRZ Requests STA for "up to 3kw"/23m on

studio tower, 31-33-07/84-13-31 after collapse of main tower. Granted.
 GEOR Douglas 106.3 W292FQ PG>250w/271m, 31-40-22/82-51-28 (WOKA-1310 via microwave)
 GEOR Nashville 90.5 WGLA PC>1w-H/9.2kw-V/143m, 31-08-16/83-23-41 (K-Love); Calls changed from
 HAWA Hilo 98.5 K253CR PG<250w/825m, 19-46-51/155-05-15 (KPUA-670)
 HAWA Honolulu 102.3 K272GC PC<99w, 21-19-55/157-53-28 (KHKA-1500 studio feed)
 HAWA Honolulu 102.3 K272GC PG<99w, 21-19-55/157-53-28 (KHKA-1500 studio feed)
 IDAH Boise 99.9 K260CU PC 61w/787m, 43-45-17/116-05-55 (KSRV-FM 96.1 Ontario, Ore. OTA)
 IDAH Nampa 95.3 K237HA NW 99w/804m, 43-45-17/116-05-57 (KTIK-1350 via Internet)
 IDAH Nampa 95.3 K237HA NW 99w/804m, 43-45-17/116-05-57 (KTIK-1350 via Internet)
 ILLI Peoria 92.9 W225DC OFF Sept. 24th, primary station WOAM-1350 is off.
 ILLI Plano 101.5 W268DB OFF Sept. 29th, primary is silent.
 ILLI Rockford 96.1 W241DF PR>250w/66m, 42-16-45/89-02-15 (WROK-1440 studio feed)
 ILLI Rockford 97.1 W246DW PG>250w/136m (WNTA-1330 via microwave); NW
 INDI Anderson 103.7 W279CL OFF Oct. 5th pending transmitter replacement.
 INDI Attica 91.5 WFWR OFF Oct. 11th, tower destroyed by storm.
 INDI Bedford 99.3 WBED-LP PG 59w/39m
 INDI Lebanon 102.7 W254DU QR from 98.7, 99w/62m, 40-02-10/86-27-27 (WILO-1570 Frankfort via W245CO)
 INDI Morgantown 90.9 WBKC CC from WCJL
 INDI Muncie 102.9 W275AJ PC>250w/229m, 40-05-37/85-23-32 (WXFN-1340 via Internet)
 INDI Muncie 107.5 WNAP-LP OFF Aug. 7th, lost site.
 INDI Muncie 107.5 WNAP-LP PC>100w/29m, 40-11-20/85-23-44
 INDI Muncie 99.1 WNAP-LP CC from WJPB-LP
 INDI Roanoke 94.1 WRNP CC from WBNI-FM
 INDI Terre Haute 99.5 W258BA XC 250w/120m, 39-27-13/87-28-15 (WAMB-1130 Brazil)
 INDI Valparaiso 106.7 W294CY PC<160w-V/142m, 41-31-22/87-01-28 (WIMS-1420 Michigan City via
 INDI Valparaiso 106.7 W294CY PG<160w-V/142m, 41-31-22/87-01-28 (WIMS-1420 Michigan City via Internet); PC
 INDI Valparaiso 97.5 W248AP PG 250w-V/125m, 41-31-22/87-01-28 (WLTH-1370 Gary via Internet)
 Internet)
 IOWA Adel 88.5 KIHS PR>12.5kw/57m
 IOWA Boone 101.5 K268DS PG<250w/40m, 42-03-53/93-52-51 (KWBG-1590 via microwave)
 IOWA Davenport 104.1 K281DB PG<250w/44m, 41-31-59/90-34-25 (KBOB-1170 studio feed)
 IOWA Des Moines 101.3 K267CY PG 130w/124m, 41-39-46/93-45-24 (KBBG-1700 via Internet)
 KANS Effingham 96.9 KDVB OFF Oct. 14th pending relocation by new licensee.
 KANS Paola 89.7 KWJP PR<6kw/-4m, 38-29-55/94-56-56
 KENT Bowling Green 92.5 W223DL PG 125w-V/83m, 36-57-37/86-32-49 (WKLX-100.7 Brownsville OTA)
 KENT Central City 91.5 W218CR PC<27w/56m (WBFK-91.1

Hiseville OTA)
 KENT Mayfield 101.7 W269DO PC>250w/42m, 36-45-58/88-38-50 (WPAD-1560 Paducah via Internet)
 KENT Mayfield 101.7 W269DO PG 250w/185, 36-45-58/88-38-50 (WPAD-1560 Paducah via Internet)
 KENT Middletown 104.9 W285ER OFF Sept. 23rd pending implementation of permit.
 KENT Richmond 98.7 WMKK-LP PG 24w/60m, 37-45-02/84-12-22
 LOUI Empire 104.5 KWMZ-FM OFF
 LOUI Galliano 94.3 WTIK-FM Requests STA 1kw/306m, 29-58-57/89-57-09; Hurricane Ida caused power loss. Temporary operation sharing WRNO-FM/WNOE-FM/WWL-FM facilities. Granted.
 LOUI Golden Meadow 88.9 KUHN OFF Oct. 20th, "cataclismic failure of the KUHN facilities" due to weather.
 LOUI Haynesville 105.1 NEW-762243 AF 4.3kw/106m, 32-57-49/93-09-09; amendment from (Peebles Broadcasting Group)
 LOUI Monroe 104.7 K284DE PG>250w/120m (KLXE-93.5 Calhoun OTA)
 LOUI Slidell 93.9 W230CR XG<250w/122m, 30-07-33/89-52-03 (WSLA-1560 via microwave)
 MAIN Benedicta 89.3 WRPB PR>9kw/165m (WMDR-FM 88.9 Oakland)
 MAIN Fryeburg 91.7 WBQF QG from 91.5, 250w/551m, 43-51-30/70-42-39
 MARY Crisfield 95.5 W238BY OFF Apr. 8th, reason not given.
 MARY Prince Frederick 92.7 WDCJ PG 2.15kw/169m, 38-38-59/76-46-24
 MASS Cambridge 88.1 WMBR PC<640w/92m MediaWorks)
 MASS Weymouth 101.1 W266DQ NW 16w/17m, 42-13-03/70-56-02 (WMEX-1510 Quincy via Internet)
 MICH Benton Harbor 102.5 W273BM PG>250w-V/63m, 42-04-44/86-28-01 (WHFB-1060 studio feed)
 MICH Escanaba 90.9 WUPJ PR 30kw/269m, 46-08-05/86-56-56
 MICH Michigamme 88.3 WKPK PR>40kw-V/285m
 MICH Mount Forest 91.9 WSMO PR 1w-H/4.5kw-V/88m, 43-42-16/84-00-37; later amended to 6kw
 MICH Plainfield Township 99.9 W260CQ PC>220w/139m (WLHT-FM 95.7 Grand Rapids studio feed)
 MINN Grand Rapids 91.7 KAXE NW 4kw/7m, 47-14-00/93-31-26 (aux)
 MISSI Durant 101.1 WLIN-FM Requests STA 1.5kw/22m; temporary tower & antenna after licensed tower was destroyed in a storm. Granted.
 MISSI Forest 89.1 WMBU Requests STA for reduced power of 50 watts due to transmitter failure.
 MISSI Raymond 107.1 W296EL PG>99w/141m, 32-20-17/90-19-48 (WYAB-103.9 Pochontas OTA); PC
 MISSO Adrian 88.9 KYLF PR>37.5kw/138m (KSIV-FM 91.5 St. Louis)
 MISSO Bunker 106.3 KQBD OFF Oct. 1st, lost site.
 MISSO Columbia 91.3 KBIA PR>100kw/222m, 38-53-21/92-15-43
 MISSO Fenton 92.7 KFTN-LP OFF June 3rd, school-operated station lost staff when the school year ended & the school's computer network (which presumably provided automated programming?) had to be shut down when it was hacked. Contact representative for the station is Vernon Jackson, WA0RCR, well-known to hams who frequent 160 meters.
 MISSO St. Louis 91.5 KSIV-FM PR>90kw/309m

MONT Billings 103.3 K277DS PG<99w/107m (KBUL-970 via microwave)

MONT Butte 91.3 KAPC PR>10kw/571m (KUFM-89.1 Missoula)

MONT Lockwood 88.9 KYWH OFF Aug. 6th, financial difficulties.

MONT Miles City 88.3 KQQM PR>26kw/170m, 46-24-30/105-39-50

NEBR Crete 105.7 KCPJ-LP PG<100w/18m, 40-37-24/96-59-08

NEBR Crete 105.7 KCPJ-LP PR>100w/30m, 40-37-24/96-59-08

NEBR Crete 107.9 KGCO-LP PG>100w/16m, 40-37-24/96-59-08

NEBR Crete 107.9 KGCO-LP PR>100w/30m, 40-37-24/96-59-08

NEBR Omaha 91.5 KIOS-FM Requests STA for reduced power of 1.15kw on backup transmitter pending replacement of main unit.

NEBR Omaha 91.9 KIOR-LP PG>23w/59m, 41-16-57/95-59-58

NEBR Shelton 90.5 KQQA PR>10kw/45m, 40-46-43/98-44-39

NEBR Valentine 90.7 KMBV PR>100kw/97m, 42-54-03/100-33-15; amendment from 2.3kw

NEVA Dayton 100.1 KWEE CC from KTHX-FM

NEVA Elko 88.1 KTQQ PR>1kw/555m (KRSF-89.3 Ridgcrest, Cal)

NEVA Elko 94.5 KUOL Granted STA for 2/3 power pending transmitter repairs.

NEVA Moapa 94.5 KXLI-FM1 AF 600w-V/60m, 37-03-50/113-34-28; amendment from 300 watts.

NEVA Sun Valley 94.5 KTHX-FM CC from KUUB

NEVA Tonopah 103.3 NEW-762226 NS 100w/105m, 38-04-20/117-13-55 (RxDIO.com)

NEWJ Atlantic City 92.3 W222CX NW 250w/58m, 39-23-24/74-30-44 (WOND-1400 Pleasantville studio feed)

NEWJ Harrisonville 95.3 W237CD PG<10w/49m, 39-27-32/75-12-11 (WXHL-FM 89.1 Christiana, Del. OTA)

NEWJ Ocean City 92.7 WXGN-LP PG 33w/51m, 39-15-33/74-39-11

NEWJ Port Norris 92.7 W224EK NW 250w/57m, 39-15-15/75-01-46 (WWAC-1020 Ocean City OTA)

NEWJ Port Norris 92.7 W224EK PG 250w/57m, 39-15-15/75-01-46 (WJPG-88.1 Cape May Court House OTA)

NEWM Albuquerque 102.9 K275AO PG>99w-V/1222m, 35-13-00/106-27-09 (KJFA-840 Belen via microwave)

NEWM Carlsbad 93.9 K230CI NW 250w/50m, 32-27-01/104-12-46 (KATK-740)

NEWM Carlsbad 96.3 K242DB NW 250w/50m, 32-27-01/104-12-46 (KAMQ-1240 studio feed)

NEWM Chama 96.1 NEW-762507 NS 25kw/78m, 36-53-58/106-36-07 (Chama Radio)

NEWM Roswell 94.9 KBIM-FM Granted STA for unspecified reduced power pending repairs to main transmitter.

NEWM Roswell 94.9 KBIM-FM Requests STA for unspecified reduced power after lightning damage. Granted.

NEWY Chateaugay 94.7 WQLR CC from WYUL

NEWY Dansville 105.7 W289CX NW 250w/223m, 42-30-45/77-38-07 (WDNY-1400 OTA)

NEWY Dunkirk 105.5 W288EJ PG>200w/202m, 42-22-02/79-23-11 (WDOE-1410 via microwave)

NEWY Malone 96.5 WMTA CC from WVVN

NEWY Newburgh 100.1 W261DY PG<5w-V/67m (WWLE-1170 Cornwall)

NEWY Plattsburgh 103.7 W279DE PG<250w/47m, 44-29-47/73-12-48 (WJMP-1070)

NEWY Queens 101.5 W268BY Granted STA 49w/199m (WVIP-

93.5 New Rochelle OTA)

NEWY Westfield 97.7 W252CG QC from 98.9, 99w-V/59m, 42-20-05/79-34-59 (WCOT-90.9 Tidioute, Penna. OTA)

NORTH Charlotte 92.3 W222CW PG 120w/179m, 35-16-35/80-47-59 (WTCG-870 Mt. Holly OTA)

NORTH Durham 103.3 W277DZ PG 155w-H/116m (WPTF-680 Raleigh)

NORTH Franklin 100.9 W265AZ PC>200w/687m (WPFJ-1480 OTA)

NORTH Franklin 105.3 W287CD PG>250w/465m, 35-19-41/83-20-11 (WFSC-1050 via Internet)

NORTH Henderson 92.5 WYFL PR<100kw/304m

NORTH Madison 88.1 WOPR PR>6kw/61m, 36-27-55/79-55-28

NORTH Mayodan 89.5 WJHW PR>15kw/155m, 36-25-38/79-56-27

NORTH Pilot Mountain 89.7 WGIW PR>990w/121m

OHIO Cleveland 94.5 W233CG PC>250w/80m (WJMO-1300 via microwave)

OHIO Cleveland 94.5 W233CG PC>250w/80m (WJMO-1300 via microwave)

OHIO Cleveland 95.9 WOVU-LP PG 95w/33m, 41-28-18/81-37-20

OHIO Hinckley 89.1 W206CH PG 10w/200m, 41-14-40/81-41-53 (KLOV-89.3 Winchester, Ore. via satellite)

OHIO Medina 94.9 WQMX PC 15kw/195m (aux)

OKLA Altus 93.5 KPRO CC from KWHW-FM

OKLA Sayre 101.7 KKZU XC 50kw/150m, 35-24-02/99-28-55

ONTA Haliburton 92.3 CBLY-FM PR>250w/36m, 45-02-35/78-29-41

ONTA Sarsfield 107.9 CJRO-FM-1 NS 2w/26m; to relay Carlsbad Springs station.

OREG Ashland 104.3 K282AY PG 33w/414m (KLDZ-103.5 Medford OTA)

OREG Ashland 106.7 K294AS PG>81w/427m (KMED-1440 Medford OTA)

OREG Boardman 94.1 NEW-762174 NS 4.8kw/113m, 45-52-36/119-48-12 (Xana HD Solutions); NW

OREG Chiloquin 88.1 KQCF PR>1kw/425m, 42-16-10/121-56-16

OREG Corvallis 93.7 K229DI PG 14w/6m, 44-35-38/123-13-34 (KEJO-1240 studio feed)

OREG Corvallis 96.5 K243CW PG 10w/9m, 44-35-38/123-13-34 (KLOO-1340 studio feed)

OREG Gilchrist 106.5 KITC-LP PG 12w/85m, 43-27-47/121-40-09

OREG Glendale 91.3 KDXA PR>70w/784m, 42-41-49/123-13-39; CC from KUSF

OREG Pilot Rock 90.5 KBLU-FM OFF Sept. 28th.

OREG Weston 101.9 KNHK-FM CC from KZIU-FM

PENN Avonia 102.9 W275CU NW 160w/33m, 42-01-26/80-15-22 (WWOW-1360 Conneaut, Ohio OTA) (site is midway between Conneaut and Erie)

PENN Butler 88.3 W202CK QG from W204CR-88.7 (WCOH-107.3 Du Bois OTA)

PENN Meyersdale 102.3 WHYU-LP PG>100w/15m, 39-47-00/79-06-07

PENN Montoursville 105.7 W289CV PG>250w/377m, 41-13-05/76-57-26 (WILQ-105.1 Williamsport OTA)

PENN Pittsburgh 91.3 WYEP-FM PR>30kw/135m, 40-25-52/80-00-24

PENN Quinns Corner 102.9 W275DE PG 45w/40m, 41-21-10/74-47-44 (WDLC-1490 Port Jervis, N.Y. via Internet)

PENN Quinns Corner 102.9 W277DH QR from 103.3, 45w/40m

(WDLC-1490 Port Jervis, NY via Internet)
 PENN Uniontown 103.9 WKHB-FM PR>4.4kw/243m, 39-54-50/79-37-57; CL from Scottdale
 PENN Wellsboro 97.1 W246AL PC>250w-V/49m (WDKC-101.5 Covington via Internet)
 RHOD Providence 94.9 W235CN PG<90w/114m (WSTL-1220 OTA)
 SOUTH Forest Acres 94.3 WUDE CC from WWNQ
 SOUTH Greer 104.3 WCGF-LP OFF Sept. 17th, antenna damage & old site no longer viable due to new construction.
 SOUTH North Myrtle Beach 103.7 W279EH QC from W267DE-101.3, 175w/76m, 33-50-12/78-47-02 (WNMB-900 North Myrtle Beach OTA)
 SOUTH Rapid City 103.7 K279DF QG from K278AN-103.5, 250w-H/114m (KDDX-101.1 Spearfish via microwave)
 SOUTH Watertown 89.1 KPGT PR>30kw/239m, 45-06-17/96-59-18
 TENN Brentwood 104.9 W285FB PC>250w-V/204m, 36-02-59/86-49-59 (WNTC-790 Ashland City via Internet)
 TENN Fayetteville 98.5 W253CX NW 250w/82m, 35-07-39/86-34-49 (WEKR-1240 studio feed)
 TENN Lakesite 105.1 WUIE CC from WALV-FM
 TENN Madisonville 105.9 W290DS PG 250w/62m, 35-30-29/84-22-45 (WRKQ-1250 studio feed)
 TENN Ooltewah 95.3 WALV-FM CC from WPLZ
 TENN Rosemark 105.1 WHTR-LP CC from WTRA-LP
 TEXA Albany 98.9 NEW-762321 NS 3.4kw/135m, 32-42-38/99-25-34 (WesTex Towers)
 TEXA Carrizo Springs 93.5 NEW-762459 AF 6kw/90m, 28-33-25/99-53-50; amendment from (Xavier Entertainment)
 TEXA Dallas 90.5 K213CS PG 50w/199m, 32-32-44/96-57-57 (KDKR-91.3 Decatur OTA)
 TEXA Fredericksburg 101.3 K267AO OFF Sept. 24th, antenna failure.
 TEXA Hillsboro 96.7 K244FC PG<115w-V/122m, 31-49-30/97-09-33 (KWBT-94.5 Waco OTA)
 TEXA Houston 101.7 K269GT PG 220w/179.7, 29-53-43/95-26-21 (KHPT-106.9 Conroe via Internet)
 TEXA Houston 92.5 K223CW PC 28w-H/308m (KFNC-97.5 HD2 Mont Belvieu OTA)
 TEXA Houston 92.5 K223CW PG 28w-H/308m, 29-45-32/95-22-07 (KFNC-97.5 Mont Belvieu OTA)
 TEXA Junction 103.3 NEW-762286 NS 25kw/100m, 30-28-41/99-45-10 (American Broadcasting of Texas)
 TEXA Longview 95.7 K239CT PG<250w-H/43m, 32-30-09/94-42-14 (KFRO-1370 studio feed)
 TEXA Nacogdoches 104.5 K283CW NW 250w/82m, 31-31-37/94-39-30 (KSFA-860 via microwave)
 TEXA Olney 104.3 NEW-762182 NS 25kw/91m, 33-25-19/98-43-41 (Two Way Communications)
 TEXA Richland Springs 104.9 NEW-762373 AF 100w/36m, 31-16-14/98-56-38; amendment from (QXZ)
 TEXA San Angelo 101.9 KWFR PG<100kw/93m, 31-31-50/100-29-06
 TEXA San Antonio 103.3 K277CX PC>250w/176m (KTFM-94.1 Floresville via microwave)
 TEXA San Antonio 96.9 KPPC-LP PG 41w/41m, 29-31-47/98-21-42
 TEXA San Saba 100.3 K262DF NW 250w/8m, 31-11-27/98-42-56 (KNVR-102.5 Fallon, Nev.) (I don't see

TEXA Sealy 90.7 KQLC PR>7.2kw/136m; amendment from 8kw.
 TEXA Weslaco 89.1 K206BP Granted STA 250w-V/6m (KVMV-96.9 McAllen OTA)
 UTAH Cedar City 100.7 K264DD PG<10w-H/579m, 37-33-11/113-06-37 (KZYN-104.1 Toquerville OTA)
 UTAH Cedar City 92.5 K223CN QG from K276DA-103.1, 10w-H/582m, 37-33-11/113-06-37 (KURR-103.1 Hildale OTA)
 VERM South Bennington 93.5 W228BL OFF Sept. 29th, interference to WLGR-93.3 Warrensburg, NY.
 VERM St. Albans 100.3 W262DH License canceled Oct. 1st.
 VIRG Glade Spring 100.5 WZQY PG>450w/309m, 36-50-57/81-38-27
 VIRG Lynchburg 100.5 W263DD PG<10w/229m, 37-18-05/78-11-08 (WLVA-580 OTA); NW
 VIRG Richmond 107.7 W299DB PG>30w/143m, 37-30-53/77-30-27 (WJFN-820 Chester via Internet); PC
 VIRG Roanoke 89.1 WVTF PR 98kw/606m
 WASH Aberdeen 92.7 K224DR PC>250w/117m, 46-58-21/123-51-15 (KGHO-LP 99.9 Hoquiam OTA)
 WASH Aberdeen 92.7 K224DR PG>250w/117m, 46-58-21/123-51-15 (KGHO-LP 99.9 Hoquiam OTA); PC
 WASH Aberdeen 94.7 K234AU NW 250w-V/125m, 46-55-59/123-44-02 (KSWW-102.1 Ocean Shores via microwave)
 WASH Benton City 90.5 KQBC PR>1kw/290m, 46-14-52/119-33-48
 WASH Newport 104.5 KZIU-FM CC from KNHK-FM
 WASH Olympia 100.3 K262CY PG>250w-V/280m, 47-08-19/123-08-28 (KRXY-94.5 Shelton studio feed)
 WASH Selah 102.5 K273DK PG<99w/186m, 46-31-54/120-27-18 (KTCR-980 via Internet)
 WASH Tacoma 89.1 K206ES QG from K262CI-100.3, 250w/14m, 47-04-08/122-17-32 (WZXX-88.5 Lawrenceburg, Tenn. via Internet)
 WASH Wapato 106.9 K295BT PG>250w/186m (KHHK-99.7 Yakima OTA)
 WEST Huntington 106.7 W294CP NW 250w/94m, 38-25-11/82-24-06 (WOKT-1080 Cannonsburg, Ky. via Internet)
 WEST Princeton 96.7 W244BB NW 33w/83m, 37-21-44/81-01-45 (WHPE-FM 95.5 High Point, N.C. OTA)
 WEST Ravenswood 93.5 W228DJ PG>250w/180m, 38-48-42/81-43-25 (WMOV-1360)
 WEST Welch 93.3 W227DU PG<130w/111m (WELC-1150); PC
 WISC Beloit 94.7 W234DR NW 130w/113m, 42-33-12/88-57-42 (WSJY-107.3 OTA)
 WISC Hayward 93.9 W230AN PC>250w/-9m (KDNW-97.3 Duluth, Minn. OTA)
 WISC La Crosse 106.7 W294CU PG>250w/298m, 44-05-28/91-20-17 (WIZM-1410 via microwave)
 WISC Minocqua 88.7 WQMN PR>50kw/67m, 45-59-29/89-35-54
 WISC Oshkosh 102.5 W239CV QR from 95.7, 250w/17m, 44-03-56/88-32-39; amendment from 83m & to remove site change. (WJOK-1050 Kaukauna OTA)
 WISC Tomahawk 91.3 WGBT PR>100kw/55m, 45-33-31/90-03-31
 WYOM Cheyenne 88.1 KFCY PR>3.5kw/64m (KLVR-91.9 Middletown, Cal.)
 WYOM Cora 102.7 NEW-199898 NS 11kw/216m, 43-03-24/110-08-08 (Wind River Broadcasting)
 WYOM Medicine Bow 99.7 NEW-762582 AF 2kw/347m, 42-09-00/106-23-09 (Rural Ranch Radio)

Northern FM DX

KEITH MCGINNIS
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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.

EDITORS NOTE: PLEASE SUBMIT ALL REPORTS IN THE FORMAT SHOWN BELOW. PLEASE DON'T USE SPACES (Space Bar) BETWEEN COLUMNS. PLEASE EITHER JUST TAB ONCE OR SEND IN AN EXCEL FORMAT. ANY DEVIATION WILL RESULT IN EITHER A DELAY OR A REPORT NOT APPEARING. THANK YOU. All Submissions must be submitted to me by the 10th of each month.

Mike Bugaj – 69 Sherman Road – Enfield, CT 06082

Equipment APS13@ 20 ft. agl, 7 element DIY phase yagi @16ft agl (on same mast), RSPDuo

4/19 Es	1129	WAVW	92.7	Stuart	FL	16E0	
	1145	WWKA	92.3	Orlando	FL	8FC4	Country
5/8/ Es	1738	ZFB-FM	94.9	Hamilton	BER	C202	Pty Top 40, Power 95 Bermuda's Big Station
5/19 Es	1755	CHOZ-FM	92.1	Bonavilsta	NL	A795	PS=Oz-FM
5/20 Tr	0855	W289AD	105.7	Selden LI	NY		WSHU ID
5/20 Es	1205	KDAM	94.3	Harrington	NE	7633	The Current
	1211	WFPS	92.1	Freeport	IL		
	1220	KGLI	95.5	Sioux Falls	IA	A2FE	RDS
	1222	KCHE	92.1	Cherokee	IA		Calletters
	1222	KOEL	92.3	Olwein	IA		Cedar Valley's #1 for new country
	1235	KNCK	94.9	Concordia	KS		NCK 94.9
	1255	KRLS	92.1	Knoxville	IA		callsign
5/21 Tr	2257	W251BY	98.1	Patchogue	NY		Oldies 98, LI traffic report (WPTY-HD2)
5/25 Es	1840	KSMU	91.1	Springfield	MO	40D4	
	1842	KTBT	92.1	Muscogee	OK	1259	The Beat Tulsa's Party Station
	1915	KMFC	92.1	Centralia	MO	A334	K-LOVE
	1936	KEZO	94.8	Omaha	NE		Z92, lotsa Omaha spots
	1940	KRXL	94.5	Kirksville	MO	3F45	
	1942	KSUI	91.7	Iowa City	IA	4198	Classical music
	1945	WKLQ	94.5	Holland	MI	703E	
	1948	WIIL	95.1	Union Grove	WI	6AA3	
	1953	WXLP	96.9	Moline	IL	9291	Classic rock
	1955	WZOK	97.5	Rockford	IL	9822	
	2000	KXIA	101.1	Marshalltown	IA	4D8C	
	2000	KCFX	101.1	Harrisonville	MO	15E1	

	2002	<u>WNNS</u>	98.7	Springfield	IL	7860	
	2009	<u>KMZA</u>	92.1	Seneca	KS	323A	
	2014	KMXV	92.3	Kansas City	MO	321B	
	2014	WPBG	93.3	Peoria	IL	7C64	The Drive, classic hits
	2018	WCIC	91.5	Pekin	IL	5AC2	Pty= rel. Music, RText=wcicfm.org
	2019	KSIV	91.5	St.Louis	MO	406D	Rel. talk
	2039	<u>KXMO</u>	95.3	Owensville	MO	4E02	
	2041	KATI	94.3	California	MO	11F6	PS=KAT COUNTRY
5/30 Es	1239	KRUE	92.1	Wauseca	MN	3EF0	country
	1244	WXXM	92.1	Sun Prarie	WI	13C6	Casey Kasem
	1249	WFPS	92.1	Freeport	IL	6374	
	1251	<u>WVTY</u>	92.1	Racine	WI	8E22	RT=VTY Country – The Most Country Every Day
	1253	WQKQ	92.1	Dallas City	IL	7FFC	KQ92 rock
	1255	KRXL	94.5	Kirksville	MO	3F45	Classic rock
	1304	KMFC	92.1	Centralia	MO	A334	K-LOVE
5/31 Es	1834	KHKN	94.9	Maumelle	AR	138D	Pty top40 RT=Hot94.9
	1849	KISD	98.7	Pipestone	MN	26F7	oldies
	1853	KILR	95.9	Estherville	IA		Killer Bee Country
	1854	WHPY	94.5	Bellevue	TN	68C2	
	1856	WBYB	98.3	Cleveland	MS	59BD	
	1900	<u>KRIV</u>	101.1	Winona	MN	A2B7	Pty=country
	1906	WZRH	92.3	LaPlace	LA	986D	Pty=rock
	1911	KRUE	92.1	Wauseca	MN	3EF0	
	1911	KMFC	92.1	Centralia	MO	A334	K-LOVE
	1912	KMOE	92.1	Butler	MO		92-1 the Butler
	1919	KSMB	94.5	Lafayette	LA	A4C1	
	1933	<u>KCPI</u>	94.9	Albert Lea	MN		94.9 the Breeze
6/6 Es	1957	KLTY	94.9	Arlington	TX		jingle
	2010	<u>WMYQ</u>	92.7	Moorhead	MS	7608	
	2015	WZEW	92.1	Fairhope	AL	972A	
6/11 Es	1023	WZTU	92.3	Miami Beach	FL	18AE	
	1035	WARO	94.5	Naples	FL	5670	
	1036	WFLZ	93.3	Tampa	FL	1313	93-3 WFLZ
	1142	WMIA	93.9	Miami Beach	FL	1528	Totally 93.9, all 90s all the time
	1048	WIKX	92.9	Charlote Hbr	FL	6AE3	Kix 92.9
	1053	WMFQ	92.9	Ocala	FL	74EA	
	1057	<u>WGUF</u>	98.9	Marco	FL	668D	
	1058	WKIS	99.9	Boca Raton	FL	6FF2	
	1102	<u>ZNGB</u>	99.5	Nassau	BA H		Soft rock, Caribbean, English, weak audio
	1102	WLLY	89.5	Palm Bch Gdfl	FL	72EA	PS=WLLY-FM, pty=language

1117	WAMR	107.5	Miami	FL	55F1	
1119	WCKT	107.1	Lehigh Acres	FL	1B07	
1123	WXGL	107.3	Seminole	FL	920B	
1130	WRUB	106.5	Sarasota	FL	1395	Rumba 106.5 Pty=language
1133	WAOA	107.1	Melbourne	FL	5614	
1135	WGHR	106.3	Spring Hill	FL	6E0d	
1142	WASJ	105.1	Panama City B	FL	5685	Ps=bob-fm, Adult Hits
1146	WGSX	104.3	Lynn Haven	FL	666B	sports
1147	WTYB	103.9	Bluffton	SC		Magic 103.9
1202	WZLB	103.1	Valparaiso	FL		Floridamanradio
1206	WXBM	102.7	Milton	FL		
1213	WTSH-FM	107.1	Aragon	FL	A7B7	Regional Mexican La Raza
1227	WMXU	106.1	Starksville	MS	76C2	Pty=R&B
1240	WHLW	104.3	Luvurne	AL		Hallaluyah FM
1241	WSHP	103.9	Easley	SC	84F5	
1246	WAYI	104.3	Charlestown	IN		Way-fm
1249	KXOO	104.3	Kennet	MO	4E38	
1254	KYKY	98.1	St. Lois	MO	A57C	Y98
1324	WLRW	95.5	Champaign	IL	7384	
1328	WXRD	107.1	Crown Point	IN	98DB	Pty=Adult Hits
1330	WPPN	106.7	Des Plains	IL	7DD7	Spanish
1338	WZPW	92.3	Peoria	IL	9848	
1345	KJOC	93.5	Bettendorf	IA	2932	
1345	WMMA	93.9	Nekoosa	WI	7590	
1900	KMFC	92.1	Centralia	MO	A334	
6/12 Es	1018	WNCV	93.3	Shalimar	FL	7745
6/15 Es	1009	WFLZ	93.3	Tampa	FL	1313
	1017	WMFQ	92.9	Ocala	FL	74EA
	1258	WKUL	92.1	Cullman	AL	7123
	1305	WSYE	93.3	Houston	MS	86A4
	1316	KBFC	93.5	Forest City	AR	1328
6/30 Es	1043	WJIS	88.1	Bradenton	FL	6D4E
	1057	WZTV	94.9	Miami	FL	18AE
	1111	WLDI	95.5	Juno Beach	FL	120A
	1114	WINK	96.9	Ft. Myers	FL	6B24
7/1 Es	2130	CKPR	91.5	Thunder Bay	ON	CDA C Adult Hits
	2137	CKDX	92.7	Dryden	ON	
	2140	CJSD	94.3	Thunder Bay	ON	CB2F Rock
	2157	CBWY	92.7	Jackhead	MB	CBC NX, MB weather
7/2 Es	0954	WFPS	92.1	Freeport	IL	6374

	0956	KRLS	92.1	Knoxville	IA	3E14	
	1013	WAAG	94.9	Galesburg	IL	54AE	
	1110	KATI	94.3	California	MO	11F6	
	1110	WLRW	94.5	Champaign	IL	7384	
	1115	KANU	91.5	Lawrence	KS	1166	
7/12 Es	1228	<u>KXRA</u>	92.1	Alexandria	MN	4E76	KX92
	1229	<u>KBLB</u>	93.3	Nissua	MN	13C3	
	1233	KVOX-FM	99.9	Moorhead	MN	48F7	Today's Froggy 99
	1235	WZPJ	104.3	Breezy Point	MN	9737	The Pulse, rel. music
	1301	CITI	92.1	Winnipeg	MB		
7/13 Es	1628	ZFB	94.9	Bermuda		C202	Power 95
	1647	<u>HITZ</u>	92.1	Santo Domingo	DR		Tropical, lots of IDs found on WTFDA Forums
	1648	WAPE	95.1	Jacksonville	FL	5A73	Mostly weak and under HIBD.
	1710	<u>HIBD</u>	95.1	La Romana	DR		Some rel music, mostly talk. IDed on Forums
	1729	<u>WEGM</u>	95.1	San Germain	PR		Id in the clear, but mostly mixing with HIBD
7/17 Es	1020	WGUO	94.9	Reserve	LA		Cajun Home Services, Houma/Morgan City
	1610	CJEL-FM	93.5	Winkler	MB	C9BB	Adult Hits
	1613	<u>KOHT</u>	96.1	Crookston	MN	3B09	Classic rock
	1620	<u>KBHW</u>	99.5	Int. Falls	MN	1370	Pty: rel Music RT=NORTHERN MN CHRISTIAN RA
	1622	KBHP	101.1	Bemidji	MN	1369	country
	1623	KRJM	101.5	Mahomen	MN	3DD A	Gold 101.5
	1627	KNTN	102.7	Thief River Fall	MN	344F	
	1628	<u>KRXW</u>	103.5	Roseau	MN		//102.7 with MPR News
	1635	KJKJ	107.5	Grand Forks	ND	28D1	
	1638	KAOC	104.3	Cavalier	ND	116E	
	1642	KRVX	103.1	Wimbledon	ND	3F1D	103.1 the raven
	1652	KQMN	91.5	Thief River Fall	MN	3B85	classical
7/23 Es	1147	WKUL	92.1	Cullman	AL	7123	
	1154	WMSU	92.1	Starkesville	MS	7640	Power 92
	1158	WTUG	92.9	Northport	AL	88E2	
	1205	WKOR	94.9	Columbus	MS	A78D	
	1211	WUMS	92.1	University	MS	8AC2	PS=WUMS
	1216	WMFS-FM	92.9	Bartlett	TN	74EC	929ESPN
	1220	WHPY-FM	94.5	Bellevue	TN	68C2	
	1228	<u>KAIA</u>	91.5	Bloomfield	MO	A1D0	Air1
	1239	WITZ	104.7	Jasper	IN	6BCF	
	1244	<u>KUNO</u>	99.3	Houston	MO		Big Country 99 the Rooster
	1249	<u>WXAJ</u>	99.7	Hillsboro	IL	916D	

	1252	WTAO	105.1	Murphysboro	IL	86E2	
	1259	WDZQ	96.1	Decatur	IL	5F2E	
	1302	KATI	94.3	California	MO	11F6	
	1312	WDBR	103.7	Springfield	IL	5CBF	
	1315	KBKB	101.7	Fort Madison	IA	13A9	
	1323	<u>WNSN</u>	101.5	South Bend	IN	78DD	
	1325	WLLR	103.7	Davenport	IA		103-7 LLR
	1328	KBEA	99.7	Muscatine	IA	130C	
	1331	WMGN	98.1	Madison	WI	7501	PS=Magic 98
	1339	WPKR	99.5	Omro	WI		99-5 PKR
	1345	KIOW	107.3	Forest City	IA		Mix 107.3
	1350	KRCH	101.7	Rochester	MN	3D1F	
	1356	KISD	98.7	Pipestone	MN	26F7	PS=KISD-FM
	1359	KSTP	94.5	St. Paul	MN	4185	
	1410	KSJN	99.5	Minneapolis	MN	CCCF	Classical music
	1412	<u>WWIB</u>	103.7	Hallie	MN	8F91	
7/24 Es	1615	<u>HIAP</u>	94.1	Esperanza	DR	B001	PS=FULL. Hrd same time as Bruce & Nick had it.
8/4 Tr	1305	<u>WKEY</u>	101.5	E. Harwich	MA		Coffee FM
8/4 Es	1920	WFUN	96.3	St.Louis	MO	33d4	R&B
	1924	KATI	94.3	California	MO	11F6	
	1928	WXOS	101.1	E.St. Louis	IL	92F2	Sports, ESPN
	1938	<u>WQTY</u>	93.3	Linton	IN		Sunrise 93.3
	1942	KSPQ	92.9	West Plains	MO	411E	
8/7 Tr	0945	<u>W283CF</u>	94.5	Danbury	CT		94-5 the Hawk
8/25 Tr	0915	<u>W227CL</u>	93.3	Port Jefferson	NY		93-3 the Breeze

2021 E SKIP UPDATE. I had a pretty good E skip season this summer. I ended up the year with 44 new stations logged, 44 of them were by skip and another four were new semi-local translators logged by tropo enhancement. Although there was tons of double hop skip around in July, I missed the good stuff to the Azores and Iceland due to a dental appointment and later a birthday party (for me). I sort of made up for it on July 13th when I logged my first Puerto Rican station (WEGM San Germain 95.1) and my first two from the Dominican Republic (HITZ 92.1 Santo Domingo and HIBD 95.1 La Romana). All of these were from the same geographical area. HIBD was in charge of the channel 90% of the time but WEGM did manage to sneak in with some great IDs. Audio of these can be found on the WTFDA Forums

And then on July 24th, during what seemed to be a sub-par opening, I noticed a trace on DX Maps going from New Jersey to the Dominican Republic, and another from the Cape going to the same place on 94.1, so I decided what the heck, lets visit 94.1 and see what happens. Now 94.1 here is filled with a strong religious translator in Hartford (W231CZ) and I would have to eliminate that to dig into the channel. Fortunately, the RSP Duo was able to nuke the translator down into the noise. I heard some Spanish. I waited and the announcer come up and said "Full" and went into a Justin Beiber song, while at the same time the RDS clicked in with a B002 and the PS code of "Full". This turned out to be HIAP 94.1 in Esperanza, Dominican Republic, Full FM, which is now my third station from that country. Not Iceland, not Azores but still good in my book. Almost 1700 miles. (These last two paragraphs copied from my website at mikesdx.com.)



Southern FM DX

John Zondlo – 4009 Driftwood Circle –
Yukon, OK 73099

southernfmdx@wtfd.org – Deadline: 25th
October 2021



Fred Nordquist – Moncks Corner, SC – FM03af – EDT - All New

Receivers: AirSpy with SDR Console (v3.0.20), Antenna: APS-13

5/2 Es

1758 KACV 89.9 TX Amarillo, PI} 1049, college 1253
1804 K248DE 97.5 TX Amarillo, Rangers Sports Network 1254

5/21 Es

1221 KLAK 97.5 TX Tom Bean, PI} 2D16, jazz, OK/TX city of license change 950

6/6 Es

2020 KALQ 93.5 CO Alamosa, "Q 93-5" 1483

6/11 Es

1148 CBRX-3 90.7 QC Riviere-Du-Loup, PI} B205, PS} ICI Musique, French, Public 1134
1158 WMVN 100.3 NY Sylvan Beach, Syracuse local ads 728
1214 WBDR 106.7 NY Copenhagen, PI} 57AB, Top 40 771
1218 CBAF-4 100.3 NB Edmundston, French, "ICI Premiere," talk 1152

6/28 Es

1200 CBAF-6 107.5 NS Middleton, PI} B204, PS} ICI PREM, French, ToH time pips 1149
1218 CBAF-21 91.7 NB Bon Accord, French, talk // ICI Radio Canada, info 1132

7/8 Es

2004 CBMN 101.1 QC Malartic, English, CBC News, St. Johns weather 1039
2005 CBFZ 103.1 QC Temiscaming, Radio Canada 928
2006 CJBB 103.1 ON Englehart, PI} B0B7, PS} Ranch FM, English, country, Timiskam 1009

7/13 Es

1016 WCRP 88.1 PR Guayama, PI} FFFF, Spanish, adult hits 1352
1042 HIJO 107.9 DR Moca, PI} F002, PS} Santiago, Spanish, classical 1118
2124 KFNL 104.3 MN Spring Valley, "All New Fun 104.3" 992
2127 WOMC 104.3 MI Detroit, WOMC.com 661
2137 WSEI 92.9 IL Olney, local ad 591

7/14 Es

0903 Radio Haiti FM 87.9 MA Boston, French, ID "Radio Haiti FM" 795

Finally caught up with Pat Dyer's FM log totals! Above new loggings as a result of more careful review of recordings. FM Log Total to date = 4355 (Way to go, Fred! – jz)



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