



VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 2021



South Mountain Phoenix AZ



In This Issue: Easily Add RDS Spy to SDRUno

W05DH ch5 Jupiter, FL on the air and ready for DXing

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: DOUG SMITH, SAUL CHERNOS, KEITH MCGINNIS, JAMES THOMAS AND MIKE BUGAJ



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The public WTFDA FM Radio Station Database is administered and updated daily by your fellow WTFDA members. It is completely free to use and serves over 500 users daily in season.

Our new social media site is at Weme.com. <https://mewe.com/join/tvandfmradiodx>. Register and join the group. Only WTFDA members can participate and many already have.





The Mailbox

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Ice, snow and freezing temps in Texas. Hurricane force winds in the Pacific Northwest. Snow, more snow and cold up north. That's February for you, and with this kind of weather you can't expect much in the way of TV or FM DX. The loggers have been pretty empty. Maybe something happens in March but don't hold your breath. Perhaps by Memorial Day.

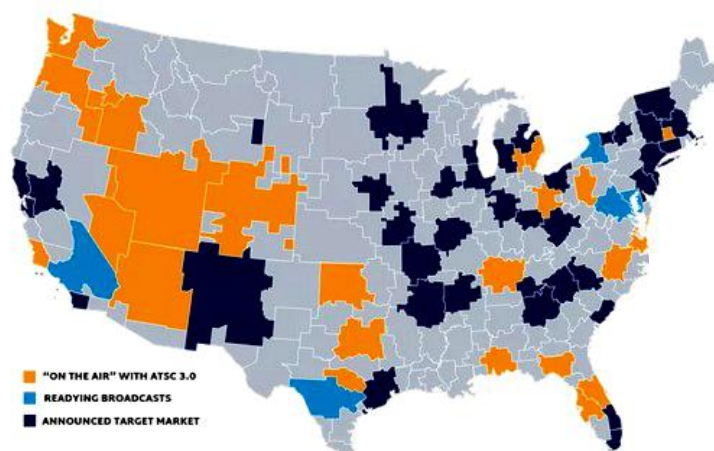
Renewals were received from Jennifer Lewis, Cal Glover, John Edwardson, Rick Shaftan, James Herkimer, Bobby Newport, Charles Gauthier, Chad Bryan, Neal McLain, Josh Moore, Gerard Hart, Mr. Kaimbridge, Harry Hayes, Frank Merrill, Marcus Barboni and John Kosinski (as of 2/27). Thanks to all of you for your support of the WTFDA.

In other news, Trip has posted on the rabbitears.info site that users may see some downtime as he looks to another webhost for rabbitears. He's had to move off his original host and needs a new home. He also intends to move to his own server which may also cause outages at times so be advised if you are a regular user of rabbitears.

According to WNYO TV, it intends to switch to ATSC 3.0 on March 18th, but in reality that date may be much sooner. This move will give Buffalo area DXers with equipment capable of receiving ATSC 3.0 signals a chance to see their first 3.0 channel.

And last but not least (wow I haven't used that phrase in years), ex-member Chris Dunne down in Florida reports that W05DH in Jupiter is transmitting on RF channel 5, which makes it one more DX target for DXers in the northern states. W05DH's analog channel was RF 47 and shows 47-1.

And that's all I have. It's going to be a small VUD this month. Catch you next time. -Mike



ATSC 3.0
deployments

Using RDS Spy with SDRUno

Mike Bugaj

RDS Spy was my favorite RDS decoder for years until I got a newer computer and couldn't get Spy to work with VAC (Virtual Audio Cable) any longer. Then I moved to SDR Console until I bought my RSPDuo, where I was forced to use SDRUno in order to use phasing (Diversity) mode with it. It was by accident that I watched a [video made in November 2020](#) that showed how to use RDS Spy with SDRplay products. I took notes, downloaded what I needed and set up the Duo to work with RDS Spy. It was not difficult. The process is much easier than trying to use virtual audio cable because I'm not using VAC; I'm using VB Cable Hi-Fi instead. VB Cable Hi-Fi is a free program unlike VAC. The instructions that follow are for VB Cable Hi-Fi.

First, if you are already using SDRUno, upgrade it to v1.40.2. Once you upgrade, turn on the SDR and make sure everything is working. Then, if you need to, download and install RDS Spy. Then download VB Cable Hi-Fi and install it.

Next go back to SDRUno. Go to SETT in the RX Control Window. When the RX Settings windows appears, select your soundcard as your Output Device. Then close the RX Settings window.

Then go to the Plugins tab on the SDRUno Main window. Select MPX Output from the Plugins menu and click on Load Plugins. Next, the MPX Output window appears. Make sure the VB-audio Hi Fi Cable is selected and click on the **Enable Output** button. (Note: if SDRUno is not on and running, the **Enable Output** button will be grayed out so make sure that your SDR is active when you click it.) I'd suggest keeping the Plugins window on your desktop and the MPX output window visible on your desktop since they are small windows but you don't need to.



Turn on the SDR and find a tune to a station that uses RDS. Then double click on the RDS Spy icon on your desktop and load RDS Spy. Go to the "Configure" tab, select RDS Source. Make sure that Hi-Fi Cable Output (VB-Audio HI) shows in the Input audio device window and that Direct RDS/MPX (192khz) is ticked in the Sound Card Input Mode box. Then click okay.

RDS Spy is super quick. You'll really see the difference between Spy and Uno's built-in RDS decoder.

Links:

Virtual Audio Cable <https://vac.muzychenko.net/en/>

VB Cable HIFI <https://vb-audio.com/Cable/#DownloadASIOBridge>

RDS SPY <http://rdsspy.com/>

ATSC 3.0 NOTES ETC

Posted on WTFDA mewe.com Group Page by Bill Hepburn

ATSC 3.0 Manual.

<https://www.atsc.org/wp-content/uploads/2020/08/NextGenTV-Host-Station-Manual-V8-Final.pdf>

Important to note that there is no rule for a certain number of years of mandatory simulcasting 1.0 and 3.0; *instead it's a sharp cut-off date of 2023-Jul-17* (to be re-evaluated in 2022-Jul).

4 main transmission configurations (1000's of variations possible). In HEVC, it takes just 4 MB/s for a full HD channel instead of 16 MB/s.

1.High Capacity. Total thru-put 24.9 MB/s. **17.7 dB** S/N threshold (a little worse reception than ATSC 1.0).

2. ATSC-Like. 21.4 MB/s. **15.5 dB** S/N (same as ATSC 1.0).

3.Robust. 3 MB/s. **0.2 dB** S/N ! (much better than ATSC 1.0 - but only allows 1 sub-par HD channel, or a whole bunch of SD's, but great for weak signal DXing).

4.Middle. Split into 17.7 MB/s and 3.1 MB/s. **17.9 dB** and **5.9 dB** S/N respectively. (compromise allowing for high resolution, a little worse than ATSC 1.0 signal, and one lower resolution stream of channels with better than ATSC 1.0 signal for mobiles - and dx.)

So it looks like not all stations will be created equally when it comes to potential for weak signal DX.

Use of SFN's (multiple xmtrs on one channel) can help raise signal levels throughout an area.

After the simulcast period is over, most existing HD-SD subchannel setups should be able to use the Middle setup. Until 4K comes along....

HDHR Firmware

New firmware for HDHR-4K. Note the mention of faster channel scan. I'm hoping this solves my occasional problem of CITY-18 Toronto being erroneously logged as CITY-17 Ottawa. The date says 20210209, but it shows 20210210 on my HDHR.

HDHomeRun Firmware (20210209beta3)

- * 4K models: Fix problem where SPS headers were incorrectly added to every frame on ATSC 3.0 channels when outputting TS format video.
- * 4K models: Set audio PES length on ATSC 3.0 channels when outputting TS format video.
- * 4K models: Add ATSC3 flag to channel lineup xml/json on ATSC 3.0 channels.
- * US models: Faster OTA channel scan.

Sign up for mewe! Go to <https://mewe.com/join/tvandfmradiodx>

TV News – March 2021

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Location	RF Ch	Callsign	Notes
Alabama			
Auburn	21	W43DT	From 43, 4kw/64m, 32-37-14/85-27-39.
Birmingham	18	W18ET	Moved from W20DE, 15kw/201m.
Dothan	30	WGIQ	Proposed reassignment from Louisville denied, see text.
Huntsville	17	WAAY-TV	Granted power increase to 356kw/538m.
Huntsville	19	WHNT-TV	Granted power increase to 530kw/533m.
Huntsville	31	WWHL-LD	Requests power reduction to 1.8kw/60m, 35-38-07/86-53-35.
Jasper	25	W25FC	From W16CM; granted.
Arizona			
Fortuna	2	KBFY-LP	From 41, 150w/43m, 32-40-58/114-37-33; granted.
Gila River Indian Co.	19	KGRX-LD	Requests site change to 33-19-57/112-03-57; 15kw/473m.
Gila River Indian Co.	28	KGRY-LD	Requests site change to 33-19-57/112-03-57; 15kw/473m.
Globe	25	KDVD-LD	Calls changed from KFPB-LD.
Arkansas			
El Dorado	36	KLMB-CD	From 23; granted.
Fort Smith	27	KFTA-TV	Granted power increase to 1000kw/305m.
Little Rock	28	KARZ-TV	Granted power increase to 340kw/538m.
Paragould	24	KPMF-LD	Returned to the air Feb. 8 th . Site is near Memphis, Tenn.
California			
Bakersfield	25	KGET-TV	Granted power increase to 1000kw/425m.
Corona	25	KVEA	Power increased to 810kw/989m.
Eureka	28	KBVU	Requests STA 30kw/512m; to operate at 60% power pending transmitter repairs.
Huntington Beach	18	KOCE-TV	See sharing host KSCI Long Beach.
Lompoc	17	KLDF-CD	Granted conversion to digital, 15kw/239m, 34-44-30/120-26-49.
Long Beach	18	KSCI	Granted power increase to 1000kw/892m, 34-13-26/118-03-48.
Los Angeles	2	KHIZ-LD	OFF Jan. 30 th , transmitter problems.
Los Angeles	19	KFLA-LD	From 8, 15kw/886m.
Los Angeles	27	KSFV-CD	See sharing host KPOM-CD Ontario.
Merced	11	KGMC	Requests power reduction to 45kw/589m, 37-04-27/119-25-57.
Morongo Valley	30	K30GU	Converted to digital, 435w/-201m.
Morongo Valley	34	K34EU	Converted to digital, 435w/-201m.
Ontario	27	KPOM-CD	Requests power increase to 15kw/906m, 34-12-46/118-03-45.
Redding	50	K50GP	License canceled Feb. 19 th ; off since Nov. 13 th , 2018.
Sacramento	6	KEFM-LD	License canceled Feb. 18 th . Analog facility granted 3kw/126m, 38-42-18/121-228-36.
San Jose	36	KICU-TV	Granted power increase to 860kw/688m, 37-29-17/121-52-03.
Twentynine Palms	29	K29GK	Converted to digital, 900 watts/433m.
Colorado			
Bailey	23	KPDD-LD	PR 100w/33,323m (not in outer space, but certainly higher than commercial flights!)

Location	RF Ch	Callsign	Notes
Pueblo	34	KTLP-LP	(probably actually 706m) 39-40-55/105-29-49 Requests conversion to digital.
District of Columbia			
Washington	33	WHUT-TV	Granted power increase to 416kw/254m.
Florida			
Clearwater	26	WXAX-CD	Granted conversion to digital, 15kw/403m.
Destin	29	WFBD	Granted power increase to 916kw/312m.
Duck Key	29	W29CW	Returned to the air Feb. 3 rd . But off again Feb. 19 th pending conversion to digital.
Dunnellon	27	W OCD-LP	Requests power reduction to 1.5kw/10m, 29-04-07/82-26-57.
Fort Myers	21	WGPS-LD	Granted STA 5kw/99m, 26-26-55/81-48-54; interim facility pending completion of permanent facility.
Inglis	24	WYKE-CD	OFF Feb. 15 th , lightning damage.
Jacksonville	11	WJKF-CD	Moved from 12, 3kw/85m, 30-19-13/81-38-14.
Jacksonville	28	WJKF-CD	From 12, 15kw/231m, 30-16-36/81-33-57; amendment from 92m.
Jupiter	5	W05DH	Returned to the air Feb. 2 nd at 3kw/50m, 26-45-43/80-04-41.
Key West	16	W16CL	Returned to the air Feb. 3 rd . But off again Feb. 19 th pending conversion to digital.
Key West	25	W25DQ	Returned to the air Feb. 3 rd . But off again Feb. 19 th pending conversion to digital.
Lake City	22	WFGZ-LD	Calls changed from W22EF.
Miami	3	W43CB	From 43, 3kw/35m, 25-47-25/80-22-12.
Ocala	18	WQFT-LD	Requests power increase to 15kw/89m, 28-50-56/82-03-08.
Oldsmar	15	WZRA-CD	From 48, 12.1kw/89m; granted & moved.
St. Petersburg	32	W32FH	Moved from W40CU, 15kw/187m.
Tallahassee	9	WWRP-LP	License canceled Feb. 2 nd .
Tallahassee	33	WNXG-LD	OFF Feb. 11 th , equipment failure.
Vero Beach	19	WMMF-LP	Requests power increase to 15kw/125m, 27-36-06/80-23-33.
Georgia			
Columbus	34	WXVK-LD	Calls changed from W30BD.
Warner Robins	31	WMUB-LD	Returned to the air Jan. 28 th on this channel, ex-ch. 38.
Young Harris	25	W25FP	From W12DK, 5kw/702m; requests STA for same facilities. STA probably unnecessary as regular permission is already granted. (but STA granted anyway?) Moved.
Hawaii			
Holualoa	26	K26HL	Returned to the air Jan. 30 th .
Kula	19	K19FV	Returned to the air Jan. 30 th .
Waimanalo	15	KUPU	OFF Feb. 11th pending antenna replacement. Requests power reduction to 8.2kw/73m, 21-25-20/157-45-27; to drop second DTS site.
Idaho			
Pocatello	32	KPTO-LD	Calls changed from K41JC.
Twin Falls	17	KYTL-LD	Returned to the air Feb. 3 rd .
Illinois			
Chicago	6	WRME-LP	Requests conversion to digital, same parameters as analog. Granted.
Chicago	19	WGN-TV	Granted power increase to 803kw/496m.
Galesburg	19	WSIO-LD	Calls changed from W51DT.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Springfield	11	WCIX	Granted power increase to 10kw/176m.
Indiana			
Fort Wayne	24	WPTA	Application for new aux, 333kw/206m
Fort Wayne	34	WISE-TV	Application for new aux, 328kw/206m.
Indianapolis	20	WSWY-LD	Requests power reduction to 1.5kw/47m, 39-44-05/86-37-09.
Kansas			
Wichita	27	KFVT-LD	Requests STA 10.65kw/277m; can't reach full power due to a defective amplifier which has been sent out for repair.
Kentucky			
Murray	24	WQTV-LP	License canceled Feb. 10 th .
Louisiana			
Alexandria	27	KWCE-LP	License canceled Feb. 1 st .
Baton Rouge	26	WEAZ-LD	Requests power reduction to 1.7kw/27m, 30-37-44/91-00-10.
Natchitoches	19	KNTS-LP	License canceled Feb. 15th
Natchitoches	27	KNYS-LD	License canceled Feb. 15th
New Orleans	29	WVUE-DT	Granted power increase to 1000kw/291m.
Shreveport	21	K21OZ	Requests power to 2kw/61m, 32-44-14/93-39-25.
Maryland			
Annapolis	21	WMPT	ATSC 3.0 on WNUV.
Baltimore	12	WBAL-TV	ATSC 3.0 on WNUV.
Baltimore	25	WNUV	ATSC 3.0 host; ATSC 1.0 simulcast on WMPT Annapolis.
Baltimore	26	WBFF	ATSC 3.0 on WNUV.
Massachusetts			
Boston	5	WFXZ-CD	See sharing host WGBH-TV.
Boston	5	WGBH-TV	Granted power increase to 34kw/363m.
Minnesota			
Austin	20	KSMQ-TV	Returned to full power Feb. 3 rd .
Minneapolis	31	KARE	From 11, 1000kw/455m; granted.
St. James	21	K21DG	Requests power reduction to 1.2kw/180m, 44-06-28/94-35-56. Granted & reduced.
Mississippi			
Bruce	14	WYMP-LD	OFF Feb. 4 th , transmitter malfunction.
Clarksdale	30	WQEK-LD	Returned to the air Feb. 8 th . Site is near Memphis.
Columbus	25	WLMS-LD	Calls changed from W25AD.
Gulfport	25	WXXV-TV	Granted STA 42.65kw/297m; temporary antenna at reduced power due to hurricane damage.
Jackson	6	WJMF-LP	Requests STA 325w/97m, 32-17-09/90-12-43; lost site. Granted. Requests 3kw/97m at this site.
McComb	36	W36AC	License canceled Feb. 25 th .
Missouri			
Joplin	24	KZLL-LD	Granted STA 2kw/180m, 36-07-53/96-04-14; interim facility pending completion of permanent facility. See Enid & Tulsa, Okla.
Joplin	29	K29KL	Requests power reduction to 1.5kw/24m, 37-04-33/94-38-25.
Kansas City	23	KTPE-LD	Calls changed from K23MS.
St. Louis	26	KPLR-TV	Granted power increase to 1000kw/333m, 38-32-07/90-22-23.
St. Louis	30	WODK-LD	Operating at reduced power of 4.2kw since Jan. 5 th due to amplifier

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
St. Louis	31	KDNL-TV	failure; returned to full power Feb. 24 th . Requests STA 238.85kw/321m; interim operation at about 24% power pending replacement of vacuum-tube transmitter.
St. Louis	33	KBGU-LD	Returned to full power Feb. 24 th .
Springfield	10	KOLR	Granted power increase to 34kw/631m.
Springfield	29	KSFZ-LD	Calls changed from K29LK.
Montana			
Boulder	36	K36CX	Requests power increase to 239 watts/-2m, 46-15-34/112-09-11.
Dillon	25	K25OA	OFF Jan. 19 th ; antenna system damaged in Jan. 14 th storm. Returned to the air Feb. 17 th .
Kalispell	9	KCFW-TV	Granted power increase to 17.3kw/850m.
Kalispell	18	KAJJ-CD	Returned to the air Feb. 4 th .
Nebraska			
Lincoln	35	KLKN-DRT	Requests STA 3.3kw/55m; to operate at reduced power (vs. authorized 5.6kw) pending replacement of transmission line. Gtd.
Nevada			
Las Vegas	12	KVGA-LD	Requests power increase to 2kw/561m, 35-56-45/115-02-37. Calls changed from K47OC. (was briefly K12XL, which seems strangely appropriate for Las Vegas(grin))
Las Vegas	13	KTNV-TV	Power increase request withdrawn.
Stateline	31	K31KH	Operating at unspecified (and probably unknown) reduced power since Feb. 8 th utility power outage.
New Jersey			
Morristown	17	WNMF-LD	Silent STA request withdrawn, station is back on the air Jan. 14 th . But off again Feb. 8 th , technical issues.
Mount Laurel	28	WWSI	See sharing host WCAU Philadelphia.
New Mexico			
Albuquerque	36	KASY-TV	Requests power increase to 205kw/1290m; granted.
Las Cruces	14	KCWF-LP	Requests conversion to digital on this channel, from analog ch. 20. Granted.
Lordsburg	2	K02KP	Converted to digital, 320 watts/45m.
Santa Fe	27	KASA-TV	Granted 369kw/1290m; to switch antennas on the same tower. Moved.
Santa Fe	29	KWBQ	Requests power increase to 245kw/1290m; granted.
New York			
Binghamton	8	WBNG-TV	Application for new aux, 20.3kw/343m; granted & on the air.
Buffalo	16	WNYO-TV	To convert to ATSC 3.0.
Buffalo	32	WUTV	To simulcast in ATSC 3.0 on WNYO and replace WKBW-TV as ATSC 1.0 host for WNYO.
Buffalo	33	WGRZ	Granted power increase to 522kw/308m. To simulcast in ATSC 3.0 on WNYO.
Buffalo	34	WKBW-TV	ATSC 1.0 host for WNYO-TV. But changed to WUTV.
Glens Falls	32	WBAX-LD	Calls changed from W47CM.
Hamburg	18	WDTB-LD	From 29; granted.
New York	2	W02CY	From W28ES, 500 watts/261m, 40-45-08/73-58-02; granted.
Olean	20	WWHC-LD	Requests power increase to 3kw/220m, 42-43-07/78-33-46; supersedes application for 5kw/230m at same site.
Olean	30	WBUO-LD	Calls changed from W30BW.
Syracuse	14	WSTQ-LP	<i>License canceled Feb. 5th.</i>

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Syracuse	17	WSYR-TV	ATSC 3.0 on host WSTM-TV.
Syracuse	18	WTVH	ATSC 3.0 on host WSTM-TV.
Syracuse	19	WSTM-TV	ATSC 3.0 host, ATSC 1.0 simulcast on WTVH.
North Carolina			
Raleigh	33	W33EI	OFF Jan. 20 th , antenna issues; returned to the air Feb. 24 th .
North Dakota			
Fargo	2	KCPM-LP	Returned to the air Feb. 3 rd , but off again on the 6th, equipment failure.
Northern Mariana Islands			
Garapan (Saipan)	7	KPPI-LP	Requests conversion to digital. Granted.
Ohio			
Ashland	33	WQIZ-LD	Converted to digital, 15kw/203m.
Lima	26	WOHW-LD	Requests power increase to 15kw/128m, 40-33-48/84-34-42.
Toledo	13	WTVG	Granted power increase to 20.1kw/307m.
Oklahoma			
Duncan	26	KSWX-LD	License canceled Feb. 10 th .
Enid	33	KUOC-LD	Granted STA 750w/180m, 36-07-53/96-04-14; interim facility pending completion of permanent facility. See Joplin, Mo. & Tulsa, Okla.
Lawton	16	KTWM-LD	Calls changed from K49GC.
Oklahoma City	19	KAUT-TV	Granted power increase to 750kw/467m.
Oklahoma City	27	KFOR-TV	Granted power increase to 800kw/467m.
Oklahoma City	34	KWRW-LD	Requests power reduction to 1.5kw/57m, 35-11-47/97-16-56; city from Ardmore.
Tulsa	24, 33	KZLL-LD, KUOC-LD	See Joplin, Mo. & Enid, Okla.; these two stations' share a tower in Sand Springs just west of Tulsa.
Oregon			
Eugene	15	KORY-CD	Requests power increase to 15kw/265m, 44-00-07/123-06-54. Requests STA for same facilities; antenna doesn't match permit. Increase granted & on the air, making STA request moot.
Newport	18	K18FR	Requests STA 2.5kw/316m; to operate at approximately 50% power due to amplifier failure. Granted.
Portland	5	KRCW-LD	License canceled Feb. 9 th .
Portland	29	KJYY-LD	From 26.
Wedderburn	4	K04MG	OFF Jan. 4 th , cooling fan failure. Returned to the air Feb. 24 th .
Pennsylvania			
Chambersburg	20	W20EU	From W33CR, 15kw/410m; granted.
Charleroi	32	WMVH-CD	Granted power increase to 15kw/110m.
Freedom	2	WWBP-LD	From 31, 3kw/180m, 40-37-12/80-05-36; granted.
Kittanning	32	WKHU-CD	Granted power increase to 15kw/82m. OFF Jan. 3 rd ; returned to the air Jan. 13 th .
Philadelphia	17	WPHL-TV	Granted power increase to 1000kw/321m.
Philadelphia	28	WCAU	Moved from 34, 1000kw/180m. (aux)
Puerto Rico			
Cayey	39	W39DE	License canceled Feb. 2 nd .
Ponce	24	WQQZ-CD	Granted power reduction to 14.5kw/206m.

Location	RF Ch	Callsign	Notes
Rhode Island			
Providence	2	WSBE-TV	Power increased to 13.6kw/273m.
South Carolina			
Spartanburg	29	WSQY-LP	Converted to digital from analog ch. 51, 15kw/366m.
South Dakota			
Sioux Falls	23	KSXF-LD	Calls changed from K56GF.
Tennessee			
Jackson	32	WQEO-LD	Returned to the air Feb. 8 th . Site is near Memphis.
Knoxville	17	WDTT-LD	From 24, 15kw/552m; granted & moved.
Memphis	12	K27OY	From 27, 1kw/64m, 36-06-03/90-32-56.
Memphis	15	W15EA	Returned to the air Feb. 8 th .
Memphis	19	WPED-LD	Returned to the air Jan. 29 th .
Memphis	24, 30, 32		See Paragould, Ark.; Jackson, Tenn; and Clarksdale, Miss.
Texas			
Austin	21	KXAN-TV	Granted power increase to 1000kw/395m.
Brownsville	27	KNWS-LD	Requests STA 4.65kw/92m; can't reach full power due to defective amplifiers which have been sent out for repair.
College Station	27	KNXG-LD	Requests STA 2.4kw/5m, 30-38-35/96-19-54. Granted.
Corpus Christi	26	KRIS-TV	Requests reassignment to this channel, from ch. 13; 1000kw/295m, 27-45-33/97-36-27.
Crockett	17	KIVY-LD	From 16; granted.
Dallas	28	KLEG-CD	Returned to the air Feb. 5 th .
Dallas	32	KDAF	Granted power increase to 1000kw/535m.
Llano	27	KBVO	Requests STA 330kw/249m; to operate at 50% power due to tube failure.
Lubbock	36	KCBD	Requests assignment to this channel, from ch. 11; 1000kw/282m, 33-30-08/101-52-21. (KJTV-34 tower, <i>not</i> the existing K CBD site)
Midland	22	KMDF-LD	Requests site change to 31-53-50/102-20-16.
Wichita Falls	35	KJBO-LP	Granted STA 4.2kw/129m; to operate at 40% power due to transmitter failure.
Utah			
Bluebell	31	K31DB	License canceled Feb. 25 th .
Duchesne	3	K03CN	License canceled Feb. 25 th .
Duchesne	10	K10DE	License canceled Feb. 25 th .
Duchesne	12	K12DL	License canceled Feb. 25 th .
Duchesne	45	K45AG	License canceled Feb. 25 th .
Duchesne	47	K47AN	License canceled Feb. 25 th .
Hanna	7	K07NV	License canceled Feb. 25 th .
Hanna	9	K09MQ	License canceled Feb. 25 th .
Hanna	11	K11ND	License canceled Feb. 25 th .
Logan	13	KUTA-LD	Calls changed from K13YY.
Logan	17	K17II	Requests STA 250w/-249m, 41-47-14/111-49-59; granted. Lost site.
Roosevelt	50	K50GO	License canceled Feb. 25 th .
Utahn	11	K11TL	License canceled Feb. 25 th .
Washington			
Spokane	15	KHQ-TV	Operating at half power since Jan. 13 th pending delivery of

Location	RF Ch	Callsign	Notes
replacement part. Returned to full power Feb. 9th.			
West Virginia			
Huntington	9	WVPB-TV	Requests power increase to 60.3kw/375m. Amended to 30kw. Granted.
Huntington	21	WHWV-LD	Requests power reduction to 2kw/66m, 38-42-18/82-12-13. Calls changed from W21EG.
Wisconsin			
La Crosse	28	WXOW	Application for new aux, 99kw/335m; granted & on the air.
Wyoming			
Casper	8	KPTW	Requests power increase to 28.1kw/308m; supersedes previously-granted increase to 20kw/568m.
Casper	12	KCWY-DT	Granted power increase to 16.5kw/553m.
Cheyenne	11	KQCK	Requests power reduction to 16kw/403m. Appears to be correction of site elevation, not an actual change.
Douglas	29	K29JO	Power increased to 1.1kw/103m.
Gillette	16	K16AE	OFF Feb. 1 st , lost site.

ANALOG: WHAT'S LEFT:

As of Feb. 21st, there are 1,099 U.S. stations authorized to broadcast in analog. Of these:

222	(20%)	are also licensed to operate in digital. Presumably the FCC has not gotten around to deleting their analog licenses.
480	(44%)	hold construction permits to convert to digital. Some may be operating in digital pending FCC action on their licenses-to-cover.
26	(2%)	have applied for permission to convert to digital. The FCC has not yet acted on their applications.
15	(1%)	have Digital Companion Channels simulcasting their analog signals. Presumably they don't care if their analog is deleted, they're already operating in digital.
77	(7%)	have done nothing to convert. Unless they act promptly they will be out of business later this year.
279	(25%)	are located in Alaska. I suspect some of these have in fact converted to digital.

MOVING, OR NOT:

WGIQ-43 is one of the Alabama Educational Television Commission's (AETC) stations. Licensed to Louisville, Alabama it transmits from a tower near Texasville (which is nowhere near Texas) and is regarded by the AETC as the station serving Dothan. However, Nielsen sees WGIQ as a Montgomery-market station. As a result, WGIQ doesn't have must-carry protection in Dothan, and neither does any of the AETC's other stations. Which means AETC is not available to satellite viewers in the Dothan area. (they receive a generic national PBS feed instead)

The AETC asked the FCC to amend the WGIQ license to change the city of license to Dothan. This is definitely technically feasible. It is not, however, *legally* feasible.

The Commission *really* doesn't like to see a community's only station deleted. It is sometimes possible to convince them to allow it *if* the new community will get its first station as a result. That's not the case here. Dothan already has two TV stations: WDHN-18 and WTVY-4.

Reading the decision, I suspect the FCC might have approved the move if the AETC had specified a town that didn't already have stations. For example, Cowarts, Alabama. (which borders on Dothan)



FM NEWS - March 2021

Editor: Bill Hale fmnews@wtfda.org
Visit db.wtfda.org to stay up-to-date on the latest
FM programming changes



AL Auburn 97.7 WKKR
Country: 'The Kicker WKKR 97.7'

AL Hoover 105.5 WERC-FM
Talk: 'News Radio 105.5 WERC' [WERC-

AK Cold Bay 91.9 KOLD
Variety/News-Talk [NPR]

AK False Pass 88.1 KFPS
New station signs on with Variety/News-Talk
[NPR]

AK Valdez 93.3 KVAK-FM
Hot AC/Classic Rock: 'KVAK 93.3 FM'



AB
AB Calgary 92.1 CJAY
Rock: 'CJay 92 Rocks'

AR Batesville 106.9 KCCJ-LP
Contemporary Christian/Religious Teaching

CA Corona 105.5 KGIC-LP
Spanish Religious: 'Radio Impacto'

CA Hanford 104.5 KNGS-LP
Classic Hits

CA Los Angeles 96.7 KGAP-LP
Is Silent

CA Sacramento 97.3 KZAC-LP
Is Silent

CA San Diego 101.5 KGB-FM
Classic Rock: 'San Diego's Classic Rock'

CA San Jose 89.3 KMTG
Modern/Alternative Rock: 'The Stampede'

CO Brighton 94.3 K232FK **and**
CO Denver 95.3 K237GG
Adult Standards: 'Legends 95.3 FM - 810
AM' // KLVZ-810

CO Commerce City 95.1 W236CQ
Religious Teaching: 'Powerful Christian Talk
670 AM' // KLTT-670

CO Glenwood Springs 106.7 KGWS-LP
Is Silent

CO Ignacio 90.1 KUTE
Returns to the air with News/Talk: 'Four
Corners Public Radio' (NPR)

CO Lake George 91.5 K218DT
License canceled, calls deleted at
Licensee's request

CT Norwich W241CY 96.1
Adult Standards: 'Personality Radio' //
WICH-1310



FL Arcadia 104.5 W283DB
Country: 'Classic Country 104.5' // WCXS-
1480

FL Tallahassee 95.3 W237FB
Urban Gospel/Religious Teaching:
'Hallelujah 95.3 FM' // WTAL-1450

FL Tampa 96.3 WURK-LP
Returns to the air with Adult Contemporary

FL Valparaiso 103.1 WZLB
Classic Rock: '103.1 The Shark'



GA Cumming 91.5 WVEV-FM
Contemporary Christian: 'Victory 91.5 FM'

GA Rochester 107.1 W296EF
Religious Teaching/Contemporary Christian
// WDCX-990

GA Rome 92.7 W224DS **and**

GA Rome 99.5 W258CH

Country: 'K Country' // WGJK-1360

GA Vidalia 97.7 WTCQ

Classic Hits:
'Classic Hits 98Q'



GA West Point 100.9 WCJM-FM

Classic Country: 'The Bull 100.9'



HI Waipahu 103.9 K280FC

Modern/Alternative Rock: '103.9 Hawaii's
Modern Rock' // KHXM-1370

IL Clifton 107.3 WWQC

Is Silent

IL Mount Sterling 106.7 WPWQ

Classic Hits:
'106.7 The
Oldies
Superstation'



IL Palatine 88.3 WHCM

Variety: '88.3 FM Hawk Radio'

IL Taylorville 92.7 WMAY-FM

Changes calls from WUSW

IL Taylorville 97.3 WRAN

Classic Hits: 'Groovy 97.3'

IL Tower Hill 98.3 WSVZ

Oldies: 'Cruisin' 98.3'



IL Winnetka 88.1 WNTH

Variety

IN Carmel 91.3 WHJE

Variety/Rock

IN Goshen 91.1 WGCS

Adult Alternative/Americana: 'Globe Radio
91.1'

IN Indianapolis 91.1 WEDM

Variety: 'ED 91'

IN Montgomery 101.3 W267CP **and**

IN Washington 95.9 W240CE

Country: 'The General,
95.9, 101.3 and 1580'
// WAMW-1580



MI Benton Harbor 94.9 WSJM-FM

News/Talk/Sports: 'News
Talk Sports 94.9 WSJM'



MI Mattawan 92.5

WZUU

Rock: 'Your Music Authority'

MI Port Huron 91.9 WORW

Variety

MN Brainerd 106.7 WJJY-FM

Adult Contemporary: 'WJJY 106.7'

MN Minneapolis 97.1 KTCZ-FM

Hot AC: 'Cities 97.1'

MN Minneapolis 100.3 KFXN-FM

Sports: 'KFAN Sports Radio FM 100.3'

MN Nisswa 93.3 KBLB

Country: 'B 93.3'

MN Richfield 101.3 KDWB-FM

CHR

MN St. Paul 102.1 KEEY-FM

Country: '102.1 FM K102'

MS Brookhaven 97.5 W248CY

Gospel Music: 'Brookhaven's Gospel Radio'
// WCHJ-1470

MS Columbus 103.1 WNMQ

Is Silent

MS Magee 96.9 WSMP-LP

Contemporary Christian

MS Okolona 103.9 WWKZ

CHR: 'KZ 103'

MS Greenville 101.1 W266BY

Talk // WNIX-1330

MS Tupelo 107.7 W299CS

Talk: 'BIN'

MS Utica 100.9 WJXN-FM
Variety Hits: '100.9 Jack FM'

MO Cairo 92.5 KWIX-FM
Talk: 'Moberly's Information Radio KWIX'
[KWIX-1230]



MO Moberly 104.7 KRES
Country: '104.7 KRES'



MO Thayer 92.3 KSAR
Talk: 'KSAR 92.3 FM'

NH Derry 95.1 WEVX-LP
Variety: 'Derry's Evolution Radio'

NJ Cape May 102.3 WAIV
Changes calls from WGBZ

NJ Cape May Court House 105.5 WNJH
Changes calls from WAIV

NJ Franklin 102.3 WSUS
Soft AC: '102.3 WSUS'

NJ Lakewood Township 104.1 W281CK
Oldies: 'Beach Radio 104.1FM' // WOBBM-1160

NJ Newton 103.7 WNNJ
Classic Rock: '103.7 NNJ - The Triad's Rock Station'

NJ Toms River 92.7 WOBBM-FM
Adult Contemporary: Adult Contemporary:
'92.7 WOBBM - Ocean County's Best Variety'

NM Reserve 90.1 KDNM
Returns to the air with News/Talk: 'Tribal Radio' (NPR)

NM Socorro 102.1 KYRN
Country: 'Mine Country 102.1'



NY Albany 103.1 WGY-FM
News Talk: 'WGY News Radio 810 & 103.1'
[WGY-810]

NY Buffalo 94.1 W231EA
Religious Teaching/Contemporary Christian
// WDCZ-970

NY Buffalo 99.5 WDCX-FM
Religious Teaching/Contemporary Christian:
'WDCX Radio FM 99.5 - AM 970' ['970'
refers to WDCZ Buffalo]

NY Fulton 92.5 W253BZ
Sports: 'Fox Sports 1490 and 92.5' //
WOSW-1300 [// WOLF-1490]

NY Lake George 98.5 WCKM-FM
Classic Hits: 'Greatest Hits Of All Time'

NY Plattsburgh West 100.7 WSLP
Returns to the air with Classic Hits: 'Classic
Hits Lake FM'; changes calls from WPLA



NY Saranac Lake 93.3 WPLA
Changes calls from WSLP

NY Saratoga Springs 91.1 WSPN
Returns to the air with Variety: '91.1 FM
WSPN'

NC Charlotte 103.7 WSOC-FM
Country: 'Country 103.7'

NC Cullowhee 90.5 WZQS
Changes calls from WWCU

NC Dillsboro 95.3 WWCU
Variety; Call change from WWOO

NC Elizabeth City 106.5 W293DI
Sports: '98.1 The Score' // WCNC-1240
['98.1' refers to WOBBX-FM Manteo, NC]

NC Gastonia 101.9 WBAV-FM
Urban Adult Contemporary: 'V-101.9 WBAV'

NC Goldsboro 98.3 W252CL
Classic Hits // WGBR-1150

NC Goldsboro 105.7 W289CG
Gospel Music: 'The Best Mix of Gospel
Music' // WFMC-730

NC Madison 88.1 WOPR
Is Silent

NC Manteo 98.1 WOBBX-FM
Sports: '98.1 The Score [now // WCNC-
1240]

NC Southport 100.7 WJSL-LP
Is Silent

NC Spruce Pine 101.1 W266DO
 Oldies: 'True Oldies 1470' // WTOE-1470
 NC Winston-Salem 88.5 WFDD
 News/Talk: '88.5 WFDD, NPR News & Triad
 Arts Station'



ND Hope 104.7 KFGO-FM
 Changes calls from KMJO
 ND Minot 105.3 KZPR
 Rock: 'The Fox 105.3 FM'



OH North Canton 101.7 WHOF
 Classic Hits: 'Sunny 101.7'
 OH Toledo 88.3 WXTS-FM
 Jazz: 'Jazz 88-3'
 OH West Carrollton 92.1 WROU-FM
 Urban AC: 'Dayton's R&B Leader'

OK Goodwell 91.7 KPSU
 Is Silent
 OK Hollis 92.5 KKRE
 Returns to the air with Classic Hits: 'Cruisin'
 With the Oldies'
 OK McAlester 96.7 K244FI
 Adult Standards // KTMC-1400

OR Gold Beach 92.7 KGBR
 Classic Hits: 'The Bridge'



PA Bedford 91.1 WUFR
 Is Silent
 PA Berwick 94.7 W234BH and
 PA Bloomsburg 104.3 W282CO
 Classic Hits: 'Classic Rock & Roll HLM' //
 WHLM-930
 PA Berwick 96.3 W242CY
 Classic Hits: 'Classic Rock & Roll HLM' //
 WBWX-1280
 PA Huntingdon 92.3 WKVR-FM
 Adult Alternative: 'Power 92.3'
 PA Waynesboro 101.5 WBHB-FM
 Rock: '101.5 Bob Rocks'



PR Carolina 90.5 WIDA-FM
 Spanish Religious: 'Cadena Radio Vida'
 [WIDA-1400]
 PR Dorado 105.3 W287DP
 Spanish News/Talk: 'Radio Isla 1320 AM' //
 WSKN-1320
 PR Juncos 95.1 W236DS
 Spanish News/Talk: 'Radio Isla 1320 AM' //
 WLEY-1080
 PR Mayaguez 93.5 W228EF
 Spanish News/Talk: 'Radio Isla 1320 AM' //
 WKFE-1550



RI Westerly 103.1 W276DF
 Talk/Oldies: "Stereo 1230 and 103.1" //
 WBLQ-1230

SC Cayce 96.7 WLTY
 Adult Hits: '96.7 Steve-FM'
 SC Columbia 103.5 W278CY
 News/Talk/Sports: 'Columbia's News Talk
 And Sports' // WVOC-560
 SC Greenville 101.5 WZWK-LP
 Is Silent
 SC Lexington 107.9 WLXM-LP
 Religious Teaching: 'Calvary Chapel Radio'

SD Rapid City 88.3 KLMP
 Religious Teaching: Words For Life 88.3
 KLMP'

TN Ashland City 103.9 W280FN
 Country: '103.9 The Bear' or
 'Q Country 103.9' // WCHQ-
 790



TN Tusculum 91.1 WZTH
 Religious Teaching: 'Truth FM 91.1'

TX Amarillo 100.9 KXGL
 Classic Hits: '100.9 The Eagle'
 TX Mercedes 100.3 KTEX
 Country
 TX Pittsburg 91.1 KGWP
 Spanish Religious: 'Radio Impacto'
 TX Sherman 101.3 K267CB
 Adult Standards: K-JIM AM 1500 The
 Memory Maker' // KJIM-1500
 TX South Padre Island 95.3 KZSP
 Is Silent

UT Cedar City 91.1 KSUU
 Variety: 'Thunder 91'



VT Lyndon 97.7 WGMT
 Adult Contemporary: 'Magic 97.7'
 VT Poultney 92.5 WDKM
 Classic Hits: 'Greatest Hits Of All Time'
 VT St. Johnsbury 104.1 W281CC
 Adult Alternative: 'The Trail 104.1' // WSTJ-
 1340

VA Fredericksburg 96.5 W243BS
 News/Talk/Sports: 'News, Talk, Sports -
 WNTX 1350 AM - 96.5 FM' // WNTX-1350



VA Goochland 100.5 WJFN
 Talk: WJFN 100.5 FM/AM 820 & 92.7 FM;
 includes W224EB Chester
 VA Highland Springs 91.1 WHCE
 CHR: 'Mix 91.1'

WA Kelso 91.1 KTJC
 Returns to the air with Religious Teaching:
 'CSN International'
 WA Tacoma 90.1 KUPS
 Variety: 'The Sound'



WA Waller 92.9 KNLI-LP
 Is Silent

WI Eau Claire 98.7 W254CN
 Sports: 'The Fan - Eau Claire 98.7 / 1400' //
 WBIZ-1400

WI Oshkosh 90.3 WRST-FM
 Variety/Talk: '90.3 WRST-FM Oshkosh'



WI Superior 91.3 KUWS
 News/Talk/Variety: 'Ideas Network'
 WI Waupaca 99.1 WAUP-LP
 Variety: 'Community Radio WAUP'

WY Bar Nunn 92.5 KMXW
 Hot AC: 'Max 92.5'
 WY Cheyenne 106.3 KLEN
 CHR: '106.3 Now FM'



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For Those Computer Geeks Out There

And I know there are a few. This is the first time that a VUD has been assembled on a linux computer and not a Windows computer with MS Word, Libreoffice and Adobe Acrobat. Instead, I used WPS Office, Libreoffice for Linux, PDFSam Visual and PDF Arranger along with the Mint Cinnamon operating system on a Dell Desktop i5 computer. For “snips” I use Etcher instead of MS Snipping Tool. For adding page numbers I use Both GIMP and Scribus (95% Scribus) instead of Adobe Acrobat.



Nothing happening until the Lyrids (April 16 through April 20th)