



# VHF-UHF DIGEST



*The Official Publication of the Worldwide TV-FM DX Association*

JULY 2022



**The KLNE-FM 88.7  
Lexington, NE tower at  
944 feet, courtesy of Bill  
Hohnstein**

# THE VHF-UHF DIGEST

## The Worldwide TV-FM DX Association

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

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: KEITH MCGINNIS, JAMES THOMAS, NICK LANGAN, MIKE BUGAJ AND JON KLINGERMAN



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Graphics & Marketing: Jim Thomas | Publisher: Mike Bugaj  
Editorial Staff: Keith McGinnis, Nick Langan, Doug Smith and John Zondlo*



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### The WTFDA Board of Directors Email Addresses

James Thomas  
[Jim-t@wtfda.org](mailto:Jim-t@wtfda.org)

Keith McGinnis  
[nfmdx@wtfda.org](mailto:nfmdx@wtfda.org)

Mike Bugaj  
[mikeb@wtfda.org](mailto:mikeb@wtfda.org)

Nick Langan  
[nickl@wtfda.org](mailto:nickl@wtfda.org)

Jon Klingerman  
[jon@wtfda.org](mailto:jon@wtfda.org)

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Fred Nordquist is in charge of club statistics at [nordquis@homesc.com](mailto:nordquis@homesc.com)

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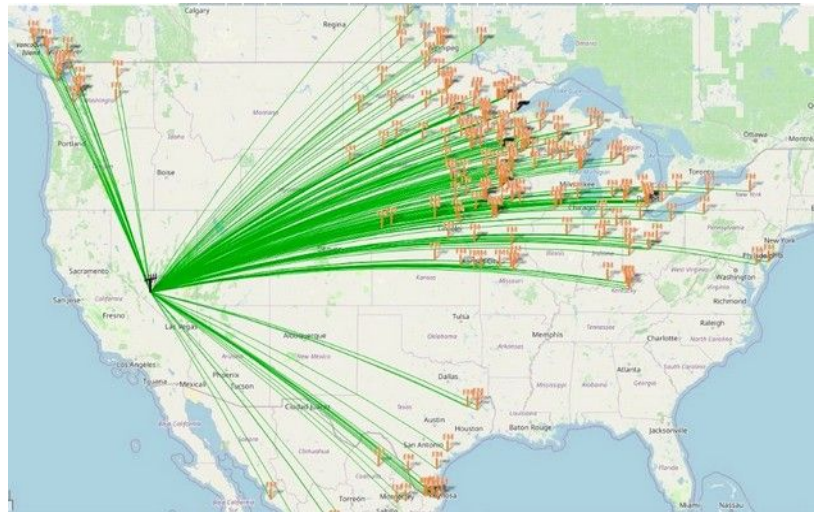
Our new social media site is at Weme.com. <https://mewe.com/join/tvandfmradiodx>. Register and join the group of over 70 club members. This group is private for WTFDA members.



# Double Hop Long Distance Es June 3

From Randy Zerr's posts on the WTFDA Forums and TV&FM Dxing FB Group

Congratulations Tim in TN on your long distance Es receptions (from Kingsport, TN - Ed) to Montana and Alberta. Have not heard if anyone else got in on the 2X Es but from here it was to date the longest lasting and most productive 2X Es event to date in 30+ years of FM DXing. The wide open band and SDR conditions here in rural Nevada of course makes the difference, but without a doubt the intense 144 MHz+ Es over the Midwest coupled into the lower level Es over the west magically worked together to produce several



windows of 1500 - 2000 mile signals over a 3 hour period. Still reviewing SDR files and finding signals. **The count is over 40 stations in the 1500-2000 mile range.** One thing that makes this opening exceptional was when the 2X Es signals were briefly the primary signals on the receiver and was actually able to tune in live while it was happening. Most past 2X Es signals were weaker and not found until after reviewing. The first signal to show was 92.1 WBVX in Kentucky 1781 miles tuned in with an instant PI decode and shortly more KY and a few Ohio logged live in the 1700-1850 mile range. Here's a Facebook FM DX page video showing the first signals from KY, OH, IL, IN. - Randy Zerr

<https://www.facebook.com/randy.zerr....83511687171299>

Just yesterday found the furthest signal so far 92.3 WRRN Warren, PA at 2024 miles and just after 97.5 WJIM Lansing, MI 1749 miles with one of the luckiest fadeups to date.

Some of the first 2X Es noted during June 3 opening received in rural Nevada. 0015-16 GMT had Kentucky 0026-0036 GMT had Ohio, Indiana. Also a window about an hour later shows some Detroit area FMs and adjacent Ontario with 93.9 CIDR new log at 1827 miles.

- 90.5 WUOL Louisville, KY 21kw 1700 mi
- 92.1 WBVX Carlisle, KY 32kw 1781 mi
- 92.9 WVLK Lexington, KY 100kw 1781 mi Dan's Jewelry & Pawn ad
- 93.7 WFCJ Miamisburg, OH 50kw 1770 mi
- 95.7 WHIO Pleasant Hill, OH 50kw 1767 mi
- 92.3 WCOL Columbus, OH 22kw 1835 mi
- 93.7 WQIO Mount Vernon, OH 37kw 1863 mi
- 93.7 WJBC Pontiac, IL 12kw 1538 mi
- 94.3 with Cincinnati Reds baseball
- 92.9 WNDV South Bend, IN 12kw 1662 mi

# The Antenna Scanner

William Hohnstein

I decided to add my HDHomeRun tuner to RabbitEars' TV Bandscan web page a month ago. I knew that I had a fair number of antennas which I could use. That might require a fair number of tuners. I decided to add to the channel scan of the RabbitEars' page and make an antenna scanner. It would scan through up to eight different antennas.

I found antenna switch circuit boards using Analog Devices HMC253 on eBay at a reasonable price for a nice start of the project. I decided to use some old IC's in-hand to build the scanning clock. I built a 555 very low frequency oscillator feeding a 74HC93 counter to provide the BCD selection signal required by the switch. I built the antenna switch timing to approximately match the time that it took to scan all the channels at least once—2.25 minutes.

I had my antenna scanner built and in use almost at my start on Bandscan. However, I always felt that my first version would be a prototype with enhancements added to my following version. That was a good idea. I learned what I needed to add to the scanner to make it more useful. My first version just had a clumsy way of figuring out which antenna was being used. I made that easy to see. I added a simple way to change from the scan mode to a manual selection of whichever antenna I wanted. Finally, I added an easy way to change the number of antennas being scanned.

I continued one good idea from my first version. That was the way that the antennas were scanned. I wanted to concentrate on scanning just four antennas. But, even then, I felt that two of those were more important. So, both models had a 4+2 antenna position—four antennas were scanned, but two were scanned twice as frequently as the other two. The scanning sequence was 1, 2, 3, 4, 1, 2 and then repeat.

Another thing that I knew was needed for my second version were separate boxes for the antenna switch and the control/indicator box. The control box for the second unit is shown below.



The LED's at the top indicate which antenna is currently feeding the tuner. The scan LED provides a visual reminder of being in the scan mode or not. The **# SCAN** control selects the number of antennas being scanned. And the **ANTENNAS** control selects either the scan mode or which single antenna is feeding the tuner.

The HMC253 antenna switch is in another box:



There are both good and bad results to using the antenna scanner. The primary bad thing is the amount of time that it takes to scan all antennas due to the Bandscan time delay. The extreme is eight antennas. It takes about 18 minutes to go through the complete antenna scan process on all channels. An opening could be significantly shorter than that! On another tuner fed by just my channels 2 & 3 Yagi, yesterday I received four different low power stations besides some high-power ones. However, none of the low

power stations had a Bandscan report due to the timing of their short receptions vs. the 2.25-minute time required to scan all the channels. Good thing that I saw the low power receptions!

The obvious benefit of using the antenna scanner is having different directional antennas pointed in different directions receiving multiple signals at almost the same time and on the same channel. I have received new stations in unexpected directions due to that.

I will probably continue to primarily use the 4+2 antenna mode with increased use of the 2 antenna and single antenna mode. I need to try occasionally use more antennas. But adding a poor antenna will just add time delay without adding new receptions.

If you want to see the results of my antenna scanner in use, see the Bandscan's Garland, NE reports. The antenna scanner reports are at [https://rabbitears.info/tvdx/one\\_tun...01BAFFC/tuner0](https://rabbitears.info/tvdx/one_tun...01BAFFC/tuner0) . You will probably see some signals come and go during the five-minute automatic updates. You can guess to whether that is due to changing propagation or changed antenna.

The reports at [https://rabbitears.info/tvdx/one\\_tun...0A3688E/tuner0](https://rabbitears.info/tvdx/one_tun...0A3688E/tuner0) almost always have my nine-element channel 2 and 3 Yagi connected. Due to my low pass filter which I use, the receptions there other than low band are usually not too exciting.

The reports at [https://rabbitears.info/tvdx/one\\_tun...01BAFFC/tuner1](https://rabbitears.info/tvdx/one_tun...01BAFFC/tuner1) generally has my ten-element channel 6 Yagi connected. Due to the antenna's height and lack of a low pass filter most of the time, it has some surprising other receptions.



# MERCHANDISE STORE

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



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

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

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

# TV News – July 2022

**Douglas E. Smith**  
**Nashville, TN**  
[dougw9wi@gmail.com](mailto:dougw9wi@gmail.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. There are no operating analog stations left in the USA or Mexico. USA analog listings are off the air, either temporarily pending conversion to digital or permanently deleted.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
<b>Alabama</b>			
Dothan	29	W29FJ	Requests power reduction to 100w/16m, 31-19-50/85-31-32; granted.
Enterprise	14	WFRW-LD	From 36, 100w/16m, 31-19-49/85-31-32; granted.
Enterprise	27	WGEI-LD	From 26, 100w/16m, 31-19-49/85-31-32; granted.
<b>Gadsden</b>	<b>26</b>	<b>WTJP-TV</b>	<b>Returned to full power June 7<sup>th</sup>.</b>
Midland City	3	W03BW	Requests power reduction to 200w/58m, 31-13-35/85-23-34.
Montgomery	30	W30EL	Requests power reduction to 100w/-1m, 32-22-14/86-20-55
Montgomery	32	W32FJ	Requests power reduction to 100w/-1m, 32-22-14/86-20-55
<b>Opelika</b>	<b>17</b>	<b>WGBP-TV</b>	<b>Requests STA for temporary antenna at DTS site #2: 200kw/398m. Dismissed.</b>
Selma	35	K35OX	Requests power reduction to 15kw/113m, 32-24-09/87-05-51
Tuscaloosa	34	W34FN	License canceled June 8th.
<b>Alaska</b>			
Dutch Harbor	8	KUCB-LP	Converted to digital.
<b>Fairbanks</b>	<b>7</b>		<b>Auction #112: no bidders</b>
Kasilof	23	K23OE	Requests power increase to 460w/133m, 60-16-32/151-18-32; granted & increased. (KTUU-TV Anchorage)
<b>North Pole</b>	<b>20</b>	<b>KJNP-TV</b>	<b>OFF June 27<sup>th</sup>, STL failure.</b>
<b>American Samoa</b>			
Pago Pago	30	KKHJ-LP	CC from KBAD-LP.
<b>Arizona</b>			
Camp Verde	9	K09ZX	License canceled June 8th.
Camp Verde	25	K25MK	OFF May 10 <sup>th</sup> pending relocation.
Camp Verde	30	K30OI	Granted STA 122w/684m, 34-28-12/111-52-25.
Camp Verde	31	K31LZ	License canceled June 8th.
Camp Verde	55	K55IY	License canceled June 8th.
Flagstaff	21	K42IQ	From 42 withdrawn, error in coordinates. Refiled: 1kw/587m, 35-14-40/111-36-19.
<b>Flagstaff</b>	<b>32</b>	<b>TV-PST6</b>	<b>Auction #112: Gray Television \$4,648,000</b>
Golden Valley	8	K08QN	Requests power reduction to 1kw/-113m, 35-20-06/114-12-56; granted & reduced.
Lake Havasu	10	K10RW	Requests power reduction to 25w/-122m, 34-28-41/114-24-31; granted.
Parker	4	K04SE	Moved from K44MD, 200w/-41m, 33-37-43/113-46-12.
Phoenix	12	K12XP	Returned to the air on this channel, ex-K18JL, 3kw/472m.
Phoenix	23	KTVP-LD	Requests STA 10kw/469; to operate at 2/3 power pending power

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
Sentinel	6	K06QW	supply replacement. Granted. Requests power reduction to 1kw/21m, 32-51-34/113-12-43; granted & reduced.
<b>Yuma</b>	<b>11</b>	<b>TV-PST7</b>	<b>Auction #112: Gray Television \$1,345,000</b>
<b>Arkansas</b>			
Clarksville	31	K31PZ	New to the air, 250w/599m, 35-09-56/93-40-37.
El Dorado	14	K14OK	Requests power reduction to 100w/15m, 33-16-15/92-42-14; granted.
Fort Smith	19	KUFS-LD	Requests power reduction to 15kw/569m, 35-04-08/94-40-48; granted.
Fort Smith	29	K29NT	License canceled June 8th.
Little Rock	15	K15MO	From K27JP, 5kw/67m, 34-49-27/92-20-00; granted.
<b>Baja California Sur</b>			
<b>San Jose del Cabo</b>	<b>15</b>	<b>XHCPCL</b>	<b>New station, 51.318kw/248m, 23-05-13/109-41-21.</b>
<b>California</b>			
Bakersfield	32	KPMC-LD	Moved from 43, 15kw/377m.
Chico	11	KKRM-LD	Requests power reduction to 1kw/355m; granted.
Chico	19	KXCH-LD	Calls changed from K19FY.
Chowchilla	2	K02QP	Returned to the air with new facilities, 300w, 37-29-26/120-52-30.
<b>Eureka</b>	<b>17</b>		<b>Auction #112: no bidders</b>
Gustine	4	K04SF	Requests power reduction to 1kw/-65m, 37-14-48/121-05-08. Amended to 500 watts. Granted & reduced.
Gustine	19	K19NB	Requests power reduction to 200w/-66m, 37-14-48/121-05-08; granted & reduced.
Gustine	27	K27PE	Requests power reduction to 5kw/-66m, 37-14-48/121-05-08; granted & reduced.
Hemet	27	KSCD-LP	From analog 38, 3.5kw/837m, 34-11-48/117-02-57 withdrawn. Going for 3/836m, 34-11-49/117-02-58; granted & moved.
Indio	2	K02RL	Requests power increase to 3kw/125m, 33-52-15/116-13-40.
Los Angeles	2	KHIZ-LD	Granted conversion to digital, 3kw/880m; converted.
Los Angeles	19	KFLA-LD	From 8, 11.1kw/886m; amendment from 15kw.
Los Angeles	27	KEDD-LD	Moved from 50, 9kw/-83m, 34-16-32/118-25-23.
Modesto	6	K06QL	Requests power increase to 3kw/108m; granted.
Monterey	9	K09AAF	Requests power reduction to 1kw/-83m, 36-53-23/121-33-19; granted & reduced.
Monterey	21	K21PI	Requests power reduction to 1kw/-83m, 36-53-23/121-33-19; granted & reduced.
Monterey	24	KMCE-LD	Converted to digital from analog ch. 43, 15kw/581m, 37-03-28/121-46-34.
Planada	2	K02QP	Requests power reduction to 165w/-15m, 37-13-02/120-12-00. Granted & returned to the air with these facilities.
Redding	26	KDRC-LD	Calls changed from KGEC-LD.
Redding	29	K29OI	From K51LK, 1kw/-51m, 40-39-31/122-22-23. OFF June 8 <sup>th</sup> , had been operating under STA on ch. 2.
Sacramento	12	KRJR-LP	Requests power increase to 3kw/145m; granted.
San Fernando	27	KPCD-LP	Moved from 40, 400w/835m, 34-11-49/117-02-57.
San Francisco	14	KDTS-LD	Moved from 8, 7.5kw/478m, 37-45-19/122-27-10; sharing on KMMC-LD transmitter.
San Francisco	14	KMMC-LD	Moved from ch. 40, 7.5kw/478m, 37-45-19/122-27-10 Requests power increase to 15kw/478m; granted & increased.
San Francisco	14	KQTA-LD	Granted sharing on the KMMC-LD transmitter; moved from ch. 13.
San Rafael	4	KQSL-LD	Requests power to 3kw/465m, 37-45-19/122-27-10; granted.



<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
Santa Barbara	33	K33QS	(Mt. Sutro Tower, San Francisco) Requests move from K28GY, 5.7kw/889m.
Santa Maria	7	K07AAN	Requests power reduction to 1kw/-50m, 34-57-01/120-29-32; granted & reduced.
Santa Maria	14	K14TK	New to the air, 200w/-53m, 34-57-01/120-29-32
Visalia	6	KMCF-LD	Requests STA for "FrankenFM" dual-mode ATSC 3.0/87.75MHz analog FM. Dismissed. See text.
Yuba City	28	KKPM-CD	Request to move to Sacramento (15kw/139m, 38-42-28/121-28-36) withdrawn.
<b>CDMX</b>			
<b>Mexico City</b>	<b>33</b>	<b>XHCPAS-n</b>	<b>See text. Same station as XEIPN-TDT.</b>
<b>Chiapas</b>			
<b>Tuxtla Gutierrez</b>	<b>24</b>	<b>XHTX</b>	<b>Canceled May 19<sup>th</sup>.</b>
<b>Chihuahua</b>			
<b>Chihuahua</b>	<b>32</b>	<b>XHAUC</b>	<b>Canceled May 19<sup>th</sup>.</b>
<b>Cd. Juarez</b>	<b>8</b>	<b>XHCPCN</b>	<b>New station on the air, 55.962kw/32m, 31-42-20/106-29-58</b>
<b>Coahuila</b>			
<b>El Mimbres</b>	<b>23</b>	<b>XHOAH-n</b>	<b>Canceled Apr. 8<sup>th</sup>.</b>
<b>Colima</b>			
<b>Manzanillo</b>	<b>9</b>	<b>XHCPCP</b>	<b>New station, 70kw/519m, 19-08-55/104-24-14</b>
<b>Minatitlan</b>	<b>18</b>	<b>XHDR-n</b>	Shadow transferred to XHKF.
<b>Colorado</b>			
<b>Gateway</b>	<b>19</b>	<b>K19NE</b>	Requests power reduction to 200w/368m, 39-04-00/108-44-47; granted & on the air.
<b>Pueblo</b>	<b>14</b>	<b>K14SS</b>	License canceled June 8th.
<b>Pueblo</b>	<b>32</b>	<b>K32OG</b>	Requests power increase to 4kw/47m, 37-54-43/103-59-04; granted.
<b>Pueblo</b>	<b>33</b>	<b>K33QI</b>	License canceled June 8th.
<b>Connecticut</b>			
<b>Bridgeport</b>	<b>21</b>	<b>WZME</b>	<b>See sharing host WEDW Stamford.</b>
<b>Farmington</b>	<b>2</b>	<b>WHNH-CD</b>	See Manchester, Vermont.
<b>Stamford</b>	<b>21</b>	<b>WEDW</b>	<b>Requests power reduction to 70kw/428m at DTS site #2. (NYC)</b>
<b>District of Columbia</b>			
<b>Washington</b>	<b>10</b>	<b>W10DE</b>	From W45DN, 100w/21m; granted.
<b>Durango</b>			
<b>Cuencame</b>	<b>24</b>	<b>XHCTCE</b>	<b>Moved from 29, calls from XHCTTR</b>
<b>Florida</b>			
<b>Fort Lauderdale</b>	<b>30</b>	<b>WSCV</b>	<b>Permit granted for new aux, 380kw/257m, 25-58-08/80-13-19.</b>
<b>Fort Myers</b>	<b>31</b>	<b>WINK-TV</b>	<b>New aux on the air, 579kw/388m, 26-47-09/81-47-46.</b>
<b>Jennings</b>	<b>23</b>	<b>W23FJ</b>	Requests power reduction to 200w/20m, 30-26-18/82-56-16; granted.
<b>Jennings</b>	<b>35</b>	<b>W35EC</b>	Requests power reduction to 200w/20m, 30-26-18/82-56-16; granted.
<b>Largo</b>	<b>14</b>	<b>WPDS-LD</b>	OFF June 13 <sup>th</sup> , transmitter failure.
<b>Melbourne</b>	<b>31</b>	<b>WSCF-LD</b>	From 20, 15kw/96m, 28-02-50/80-40-33; granted.

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
<b>Naples</b>	<b>32</b>	<b>WXCW</b>	<b>New aux on the air, 85kw/388m, 26-47-08/81-47-45.</b>
Tallahassee	7	W07DW	Requests power reduction to 100w/26m, 30-34-40/84-15-59; granted.
Tallahassee	25	W25EN	Requests power reduction to 100w/26m, 30-34-40/84-15-59; granted.
<b>Georgia</b>			
Albany	23	W23FN	From W48DU, 100w/-1m, 31-29-37/84-07-02; granted.
Albany	25	W25ED	Requests power to 100w/-1m, 31-29-37/84-07-02; granted.
Athens	23	WZVC-LD	Calls changed from W23DV.
Augusta	15	WDDZ-LD	Requests power reduction to 15kw/29m, 33-11-03/81-49-37; granted.
Augusta	16	W16EL	Requests power reduction to 5kw/-27m, 33-20-50/82-05-54; granted.
Augusta	20	W20EW	Requests power reduction to 1kw/-28m, 33-20-50/82-05-54; denied but apparently refiled & granted.
Augusta	24	W19DO	From 19, 200w/-12m, 33-24-18/82-17-41.
Augusta	33	W33ER	Requests power reduction to 1kw/-28m, 33-20-50/82-05-54; denied but apparently refiled & granted.
Chula	33	WTSG-LD	Calls changed from W33ES.
Columbus	27	W27DK	Requests power reduction to 100w/32m, 32-19-16/84-47-28; granted.
La Grange	22	W22EC	Requests power reduction to 100w/14m, 32-56-00/85-06-14.
Macon	29	WJDO-LD	OFF June 16 <sup>th</sup> , high temperatures in transmitter building. Returned to the air June 29 <sup>th</sup> .
Montrose	34	W34FX	Requests power reduction to 8kw/19m, 32-26-19/82-40-57; granted.
Savannah	18	WUET-LD	Requests STA for half power pending repair of failed power amplifier. Returned to full power June 29 <sup>th</sup> , amplifier repaired.
Summerville	21	WKSJ-LD	OFF June 3 <sup>rd</sup> ; sold, tower lease not continued.
Young Harris	25	W25FP	Requests STA for reduced power of 4.7kw/281m until a transmitter capable of authorized ERP can be installed. Withdrawn.
<b>Guam</b>			
Agana	28, 30, 32, 36	K28HS, K30HB, K32GB, K36GJ	Request power increases to 350 watts, 13-25-58/144-42-45E
<b>Guanajuato</b>			
<b>Celaya</b>	<b>17</b>	<b>XHCCG</b>	<b>New aux, 17.78kw/923m, 20-20-15/100-58-13. (see text)</b>
<b>Celaya</b>	<b>33</b>	<b>XHMAS</b>	<b>New aux, 20.34kw/923m, 20-20-15/100-58-13. (see text)</b>
<b>Leon</b>	<b>25</b>	<b>XHCPDQ</b>	<b>New station, 336.871kw/414m, 21-00-49/101-21-45.</b>
San Diego	30	XHCPDU	New station, 1kw/-19m, 21-28-38/100-51-33
<b>Guerrero</b>			
<b>Acapulco</b>	<b>30</b>	<b>XHSPG</b>	<b>New station, 32.92kw/212m, 16-52-27/99-51-02</b>
<b>Chilpancingo</b>	<b>15</b>	<b>XHCPCQ</b>	<b>New station, 46.253kw/357m, 17-33-44/99-27-43</b>
<b>Hidalgo</b>			
Tula de Allende	19	XHTOL-n	Granted new shadow, 2.506kw/-5m, 20-02-52/99-20-39.
<b>Idaho</b>			
<b>Idaho Falls</b>	<b>20</b>		<b>Auction #112: no bidders</b>
Mullan	17	K17PA	Requests power reduction to 1kw/-95m, 47-29-17/115-55-33;

Location	RF Ch	Callsign	Notes
Sun Valley	5		granted & reduced. <b>Auction #112: no bidders</b>
<b>Illinois</b>			
Chicago	10	WAOE	<b>See Oswego.</b>
Effingham	25	WEDK-LD	Requests power reduction to 100w/-8cm, 39-05-50/88-34-52. This is about 3" below average terrain. Amended to 100w/5m, 39-00-57/88-34-51 & granted.
Effingham	28	W28EB	Requests power reduction to 100w/-8cm, 39-05-50/88-34-52. This is about 3" below average terrain. Amended to 100w/5m, 39-00-57/88-34-51 & granted.
Freeport	9	TV-PST11	<b>Auction #112: Gray Television \$4,480,000</b>
Mount Vernon	27	W27EN	License canceled June 8th.
Oswego	10	WAOE	<b>Granted conversion to DTS by adding a second transmitter on the John Hancock Center in Chicago. 17.5kw/411m, 41-53-56/87-37-23.</b>
<b>Indiana</b>			
Evansville	30	WELW-LD	Requests STA for half power (7.5kw/73m); electrical power issues.
Evansville	35	W35DX	From K49EP, 100w/36m, 37-44-47/87-25-08; granted.
Evansville	36	WEIN-LD	Requests STA for half power (7.5kw/73m); electrical power issues.
Fort Wayne	22	W22FH	Requests power reduction to 100w/9m, 41-06-39/85-11-44; granted.
Terre Haute	10	WTHI-TV	<b>Requests power increase to 30kw/293m; granted. Requests STA for 24.2kw/293m. See text.</b>
<b>Iowa</b>			
Mason City	22	K22LJ	Requests power reduction to 400w/12m, 43-02-15/93-20-47; granted.
Mason City	35	K35PA	Requests power reduction to 400w/12m, 43-02-15/93-20-47; granted.
Ottumwa	26	K26PC	License canceled June 8th.
Sioux City	31	K31PP	Requests power reduction to 100w/28m, 42-27-37/96-19-45.
<b>Jalisco</b>			
Cd. Guzman	24	XHCPEG	Calls changed from XHGZG.
Guadalajara	22	XHGUE	Permit granted for new aux, 8.8kw/99m, 20-39-54/103-20-59.
Guadalajara	24	XHGA	Permit granted for new aux, 7.57kw/99m, 20-39-54/103-20-59.
Guadalajara	26	XEWO	Permit granted for new aux, 8.83kw/99m, 20-39-54/103-20-59.
Guadalajara	29	XHG	Permit granted for new aux, 9.43kw/99m, 20-39-54/103-20-59.
Puerto Vallarta	21	XHCPEI	<b>Calls changed from XHGVP; granted power to 23.37kw/-122m, 20-36-46/105-12-58.</b>
Teocuitatlan	24	XHGA-n	New station, 800w/-248m, 20-05-30/103-22-42
<b>Kansas</b>			
Pittsburg	14	K14NX	Requests power reduction to 100w/4m, 37-21-00/94-42-46.
Pittsburg	15	K15IJ	Requests power reduction to 100w/4m, 37-21-00/94-42-46.
Pittsburg	16	K16IS	Requests power reduction to 100w/4m, 37-21-00/94-42-46.
Wichita	28	KSCW-DT	<b>From 12, 1000kw/451m; granted.</b>
<b>Kentucky</b>			
Bowling Green	35	WCTZ-LD	Requests STA 4kw/321m; to operate at reduced power pending repair of power amplifier. Transmitter is in Nashville, Tenn. Withdrawn; amplifier repaired.
Glasgow	26	W29ER	From 29, 15kw/200m, 37-02-06/86-10-41; bumped by WKGB-TV Bowling Green.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
<b>Louisiana</b>			
<b>Alexandria</b> Shreveport	<b>35</b> 21	<b>KALB-TV</b> KVPO-LD	<b>Returned to the air at reduced power of 394kw/481m.</b> Calls changed from K21OZ.
<b>Maine</b>			
Augusta	24	W22FE	From 22, 100w/61m, 44-37-01/69-37-29 Amended to 100w/6m, 44-43-00/69-47-06.
Augusta	29	W29DZ	Requests power reduction to 100w/61m, 44-37-01/69-37-29; granted.
Portland	29	WLLB-LD	From 15, 15kw/76m.
<b>Massachusetts</b>			
Boston	30	WCRN-LD	Requests conversion to ATSC 3.0. LPTV, no 1.0 simulcast.
<b>Foxborough</b>	<b>36</b>	<b>WMFP</b>	<b>See sharing host WWDP Norwell.</b>
<b>Norwell</b>	<b>36</b>	<b>WWDP</b>	<b>Proposes reallocation from ch. 10, 1000kw/318m, 42-18-37/71-14-12.</b>
<b>Edo. Mexico</b>			
Coacalco	30	XHSPR-n	Permit granted for new station, 500w/584m, 19-35-32/99-06-56
Ixtapaluca	29	XHCTMX-n	Canceled May 10 <sup>th</sup> .
<b>Michigan</b>			
Charles	28	W28EJ	New to the air, 15kw/186m, 46-03-36/84-05-57
Charles	30	W30DQ	New to the air, 10kw/186m, 46-03-36/84-05-57
Vanderbilt	20	W20DT	New to the air, 15kw/275m, 45-10-12/84-45-04.
Vanderbilt	22	W22EL	New to the air, 15kw/275m, 45-10-12/84-45-04.
<b>Michoacan</b>			
<b>Morelia</b>	<b>19</b>	<b>XHKW</b>	<b>Canceled May 19<sup>th</sup>.</b>
Taretan	30	XHURT-n	Granted 275w/-110m, 19-20-05/101-55-05.
<b>Minnesota</b>			
Alexandra (sic)	19	K19MS	Requests power reduction to 100w/25m, 45-55-55/95-26-44; granted.
Alexandra (sic)	29	K29NY	Requests power reduction to 500w/25m, 45-55-55/95-26-44
<b>Alexandria</b>	<b>7</b>	<b>TV-PST12</b>	<b>Auction #112: Radiant Life Ministries \$4,955,000</b>
Dodge Center	22	W22FD	Requests power reduction to 300w/9m, 43-53-17/92-51-28; granted.
Duluth	14	K14QM	Requests power reduction to 100w/78m, 46-47-21/92-06-49; granted.
Duluth	28	K28QJ	Requests power reduction to 100w/78m, 46-47-21/92-06-49; granted.
Oakland	30	K30QY	Requests power reduction to 800w/17m, 43-29-18/93-14-13; granted.
Rochester	31	K31LN	Requests power reduction to 100w/34m, 44-02-32/92-20-27.
<b>Mississippi</b>			
Columbus	30	W30ES	Requests power reduction to 100w/78m, 46-47-21/92-06-49; granted.
Greenville	29	W29FH	License canceled June 8th.
<b>Greenwood</b>	<b>32</b>	<b>WABG-TV</b>	<b>Operating at 50% power since June 20<sup>th</sup> lightning strike.</b>
<b>Missouri</b>			

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
<b>Jefferson City</b>	<b>29</b>	<b>KRCG</b>	<b>Moved from 12, 1000kw/305m.</b>
Joplin	33	KDSI-LD	Power reduction application on this channel withdrawn. Will be filing for a different channel.
Rolla	23	K22KA	From 22, 100w/57m, 37-57-51/91-45-49.
Sedalia	23	K23LE	Requests power reduction to 100w/13m, 38-42-07/93-16-48.
St. Joseph	14	K14PQ	Requests power reduction to 100w/59m, 40-04-11/95-11-41.
<b>Montana</b>			
<b>Bozeman</b>	<b>27</b>	<b>KBZK</b>	<b>From ch. 13. Two transmitter DTS to continue on new channel: DTS #1: 875kw/221m, 45-38-15/111-16-07 DTS #2: 4kw/317m, 45-41-47/110-46-04.</b>
			<b>DTS #2 is located on "Lightning Strike Lane". Don't think I'd want to erect a tower there(grin)!</b>
<b>Butte</b>	<b>24</b>		<b>Auction #112: no bidders</b>
<b>Great Falls</b>	<b>26</b>		<b>Auction #112: no bidders</b>
<b>Havre</b>	<b>9</b>		<b>Auction #112: no bidders</b>
Joplin	32, 33, 34, 35, 36	K32NN, K33PR, K34PM, K35OF, K36DK	Granted power increase to 4.928kw/858m on all five channels.
<b>Nayarit</b>			
Acaponeta	27	XHRTNA	Permit granted for new station, 14kw/82m, 22-26-35/105-25-20. See text.
<b>Nuevo Vallarta</b>	<b>5</b>	<b>XHCPCV</b>	<b>New station, 4.183kw/-38m, 20-45-05/105-14-46.</b>
<b>Nebraska</b>			
Lincoln	36	K36MO	Requests power reduction to 100w/78m, 46-47-21/92-06-49
<b>Nevada</b>			
<b>Ely</b>	<b>27</b>	<b>TV-PST16</b>	<b>Auction #112: TV-49 \$150,000</b>
Imlay	27	K27OC	License canceled June 8th.
Imlay	41	K41GI	License canceled June 8th.
Incline Village	36	K36NB	Requests power reduction to 320w/629m.
<b>Laughlin</b>	<b>32</b>	<b>KMCC</b>	<b>Requests relocation of DTS #2 to the KTNV-13 studio tower, Desert Inn Road &amp; Valley View Boulevard, Las Vegas. 12.5kw/65m, 36-07-45/115-11-28. DTS #1 not affected.</b>
Paradise Valley	11	K11MU	License canceled June 8th.
<b>Tonopah</b>	<b>9</b>	<b>TV-PST17</b>	<b>Auction #112: TV-49 \$2,884,000</b>
<b>Winnemucca</b>	<b>7</b>	<b>TV-PST18</b>	<b>Auction #112: Gray Television \$150,000</b>
<b>New Jersey</b>			
East Orange	4	WPXO-LD	OFF June 6 <sup>th</sup> , "financially infeasible"
Glassboro	26	WQAV-CD	Requests power reduction to 15kw/205m, 40-02-19/75-14-12; granted.
Hammonton	27	WPSJ-CD	Granted STA 4.25kw/160m; to operate at reduced power pending antenna replacement.
<b>New Mexico</b>			
Albuquerque	15	KTEL-CD	Granted power to 15kw/1246m, 35-12-53/106-27-03.
<b>Carlsbad</b>	<b>19</b>	<b>TV-PST19</b>	<b>Auction #112: TV-49 \$471,000</b>
Carlsbad	28	K28NM	Granted power increase to 5kw/21m, 32-23-49/104-13-11.
Dulce	22	K22GE	Power reduced to 197 watts.

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
Hobbs	17	K17OW	Granted power increase to 1kw/95m, 32-25-52/103-09-19.
Mora	22	K22EW	OFF May 9 <sup>th</sup> , returned to the air June 8 <sup>th</sup> .
Mora	31	K31EO	OFF June 1 <sup>st</sup> , destroyed by Hermits Peak wildfire.
<b>Silver City</b>	<b>10</b>	<b>TV-PST20</b>	<b>Auction #112: TV-49 \$389,000</b>
<b>Silver City</b>	<b>12</b>	<b>TV-PST21</b>	<b>Auction #112: TV-49 \$389,000</b>
Socorro	19	K19NF	Requests power reduction to 200w/-124m, 34-02-57/106-54-12; granted.
Taos	21	K21FD	OFF May 26 <sup>th</sup> , "third party transmission issues"
<b>New York</b>			
Cobleskill	26	WYBN-LD1	Requests STA for second transmitter, creating a two-site DTS. 100W/36m, 42-25-50/73-20-12 just west of Pittsfield, Mass. If granted, this would be the first and only low-power DTS.
Elmira	11	W45DZ	From 45, 100w/114m, 42-14-03/77-09-27; withdrawn. Amended to 100w/-147m, 42-07-30/76-58-52.
Elmira	12	W12DP	Requests power reduction to 100w/114m, 42-14-03/77-09-27. Amended to 100w/-147m, 42-07-30/76-58-52 & granted.
Elmira	17	W17EJ	From W50ES, 100w/114m, 42-14-03/77-09-27; granted.
Glens Falls	31	WNCE-CD	OFF June 17 <sup>th</sup> , lost utility power at site.
Ithaca	34	W07BJ	Granted STA 7.3kw/126m, 42-26-30/76-34-39; to operate at reduced power pending Canadian approval for 15kw.
New York	30	WNJJ-LD	From 41, 85w/165m, 40-47-18/74-15-18; to "permanentize" existing STA. Granted & moved.
New York	30	WNYN-LD	From 39, 7.37kw/207m, 41-00-36/74-35-37 dismissed. Will refile to share on WNJJ-LD once the latter application is granted.
<b>Syracuse</b>	<b>15</b>	<b>TV-PST22</b>	<b>Auction #112: Sinclair Television Group \$3,137,000</b>
White Lake	27	WYJH-LD	Power reduced to 2kw/-46m, 41-42-08/73-56-04.
<b>North Carolina</b>			
Raleigh	16	WDRH-LD	Returned to the air June 7 <sup>th</sup> on this channel, 15kw/124m, 35-47-21/78-40-44.
Sparta	15	W15EF	Requests STA for 50% power. (WUNL-TV Winston-Salem)
<b>North Dakota</b>			
Bismarck	34	K34LO	Requests power reduction to 100w/54m, 46-49-32/100-46-02; granted.
Bismarck	35	K35PO	New station on the air, 15kw/366m, 46-36-20/100-48-26.
Dickinson	28	K28QT	Requests power increase to 15kw/150m, 46-56-53/102-59-27.
Fargo	9	K09AAC	Requests power reduction to 100w/8m, 46-51-24/96-44-26; granted.
Fargo	10	K10RQ	Requests power reduction to 100w/8m, 46-51-24/96-44-26; granted.
Fargo	18	K18NP	Requests power reduction to 100w/8m, 46-51-24/96-44-26; granted.
Grand Forks	18	K18NT	Granted power increase to 15kw/97m.
<b>Grand Forks</b>	<b>27</b>	<b>TV-PST23</b>	<b>Auction #112: BEK Sports Network \$6,411,000.</b>
Minot	18	K18NW	Requests power increase to 360w/11m.
Minot	35	K35MM	From K42IM, 900w/38m, 48-22-16/101-18-30; granted.
<b>Pembina</b>	<b>12</b>	<b>KNRR</b>	<b>OFF June 7<sup>th</sup>. "...is investigating the cause of this loss of service..." – very vague reason for a full-power station at a site that is not difficult to reach in June.</b>
<b>Ohio</b>			
Akron	13	WIVX-LD	Granted power reduction to 3kw/76m, 41-19-18/81-45-38.
Canton	18	W18EY	Requests power reduction to 100w/116m, 40-18-43/81-28-16;

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
Findlay	32	WTLW-DRT	granted.
Toledo	6	WDMY-LD	New station on the air, 15kw/91m, 40-55-59/83-22-49. Requests conversion to ATSC 3.0, including FrankenFM STA. Dismissed, see text.
Zanesville	29	WOOH-LD	Returned to the air June 21 <sup>st</sup> with new facilities, 15kw/74m, 40-00-37/83-11-19.
<b>Oklahoma</b>			
Lawton	14	K14SX	Requests power reduction to 100w/-7m, 34-38-19/98-23-00; granted.
Lawton	32	K32KG	Requests power reduction to 100w/-7m, 34-38-19/98-23-00; granted.
McAlester	34	K34ML	Requests power reduction to 100w/-12m, 34-48-38/95-51-09; granted.
Tulsa	22	KOKI-TV	<b>Application for new aux, 782.6kw/509m, 35-58-08/95-36-56; granted.</b>
Tulsa	34	KMYT-TV	<b>Application for new aux, 411.9kw/509m, 35-58-08/95-36-56; granted.</b>
Tulsa	8	KJRH-TV	<b>Operating at half power since May 19<sup>th</sup>; returned to full power June 8th.</b>
<b>Ontario</b>			
Hamilton	14	CITS-DT	<b>Granted power increase to 691.3kw/337m, relocate to CHCH-DT tower at 43-12-27/79-46-27. Will now be the most powerful DTV station in Canada by a significant margin, beating out two 390kw stations.</b>
<b>Oregon</b>			
Astoria	30	K30QL	License canceled June 8th.
Bend	11	KOAB-TV	<b>Application for new aux, 55kw/229m, 44-04-40/121-20-01; granted.</b>
Ruch	13	K13PI	OFF Jan. 9 <sup>th</sup> , equipment stolen.
Sutherlin	11	K11BX	OFF May 29 <sup>th</sup> pending transmitter & antenna replacement; returned to the air June 13 <sup>th</sup> .
<b>Pennsylvania</b>			
Barnsboro	22	WTOO-LD	Returned to the air June 10 <sup>th</sup> on this channel, 15kw/208m, 41-03-52/78-34-11. (WBPH-TV Bethlehem)
Erie	23	K23PO	Requests power reduction to 100w/95m, 41-59-56/80-02-07; granted.
Erie	36	W36EK	Requests power reduction to 100w/95m, 41-59-56/80-02-07; granted.
Philadelphia	6	WPVI-TV	<b>Requests power increase to 53.1kw/342m; amendment from 56kw/332m.</b>
<b>Puerto Rico</b>			
Aguada	25	WQHA	<b>Requests power increase to 21kw/839m, 18-10-21/66-35-30. Granted &amp; increased.</b>
Bayamon	24	WDWL	<b>See sharing host WUJA Caguas.</b>
Caguas	24	WUJA	<b>Application for new aux, 40kw/305m; granted.</b>
Mayaguez	30	WNTE-LD	From 36, 15kw/620m; granted.
San Juan	20	W20EJ	OFF May 27 <sup>th</sup> pending tower replacement.
San Juan	21	WJPX	<b>Requests conversion to DTS by adding second site at 18-04-42/66-44-52, near Yauco, 2.5kw/285m. Site #1 is existing site near Caguas.</b>

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
San Lorenzo	29	W29EE	<b>Granted.</b> Requests STA 6.5kw/650m, 18-26-42/66-04-00; temporary site pending construction of permanent facility.
<b>San Sebastian</b>	<b>33</b>	<b>WJWN-TV</b>	<b>OFF June 26<sup>th</sup> pending relocation.</b>
<b>Quintana Roo</b>			
Chetumal	25	XHSPJ	<b>Permit granted for new station, 82.5kw/101m, 18-30-30/88-30-32.</b>
<b>San Luis Potosi</b>			
San Luis Potosi	16	XHDE	<b>Canceled in 2020.</b>
San Luis Potosi	23	XHSPS	<b>Permit granted for new station, 20.75kw/-9m, 22-07-20/100-48-36.</b>
<b>Sinaloa</b>			
Los Mochis	21	XHCPAP-n	<b>See text – same station as XHSIM-TDT.</b>
Los Mochis	34	XHCPBV	<b>New station on the air, 100kw/60m, 25-48-28/108-58-09</b>
<b>Sonora</b>			
Cd. Obregon	30	XHBS-n	<b>Granted 240.8kw/160m, 27-28-00/109-46-33</b>
Cd. Obregon	36	XHCDO	<b>Granted 240.3kw/160m, 27-28-00/109-46-33</b>
<b>South Carolina</b>			
Hilton Head Island	30	W30CV	Power increased to 13.7kw/148m, 32-13-39/80-51-14.
Myrtle Beach	14	W14EZ	Granted power reduction to 200w/10m, 33-43-51/79-04-31; reduced.
Myrtle Beach	15	W15ES	Requests power increase to 200w/15m, 33-35-28/79-02-52; amendment from 200w/10m, 33-43-50/79-04-31; granted & increased.
Myrtle Beach	35	W35EB	Requests power increase to 6.75kw/74m, 31-57-03/81-19-10; amendment from 200w/10m, 33-43-50/79-04-31; granted & increased.
<b>South Dakota</b>			
Aberdeen	9		<b>Auction #112: no bidders.</b>
Elk Point	16	KSXE-LD	Calls changed from K16NY.
Lead	5	KHSD-TV	<b>Operating at unspecified reduced power since May 20<sup>th</sup> equipment failure.</b>
<b>Tabasco</b>			
Villahermosa	33	XHLL	<b>Canceled May 19<sup>th</sup>.</b>
<b>Tennessee</b>			
Algood	35	W35DZ	Requests power reduction to 3kw/204m, 36-10-26/85-20-37. Granted.
Jackson	34	WYJJ-LD	OFF June 13 <sup>th</sup> , IP encoder damaged. Returned to the air June 27 <sup>th</sup> .
Nashville	35	WCTZ-LD	See Bowling Green, Kentucky.
<b>Texas</b>			
Amarillo	35	KTXC-LD	Calls changed from KMZB-LD.
College Station	20	KZCZ-LD	OFF June 11 <sup>th</sup> pending HVAC repairs. Returned to the air June 29 <sup>th</sup> .
College Station	24	K24NW	Requests power to 100 watts/7m, 30-39-40/96-25-00; granted. Amended to 100w/18m, 30-41-07/96-14-57 & granted.
College Station	36	K36LD	Granted power to 15kw/83m, 30-39-40/96-25-00; changed.



<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Conroe	33	KTBU	<b>Operating at 10% power since May 7<sup>th</sup> combined antenna failure. Modified to 17% power.</b>
Corpus Christi	32	K32OC	Operating at reduced power of 10kw pending amplifier repairs. Returned to full power June 27 <sup>th</sup> , amplifier repaired.
Corpus Christi	33	K33QP	Granted power increase to 15kw/98m, 27-50-26/97-32-46.
<b>Houston</b>	<b>19</b>	<b>KTXH</b>	<b>Granted power increase to 1000kw/598m, 29-34-29/95-29-38.</b>
<b>Houston</b>	<b>21</b>	<b>KZJL</b>	<b>Granted STA 100kw/489m; main antenna failed.</b>
<b>Houston</b>	<b>26</b>	<b>KRIV</b>	<b>Granted power increase to 1000kw/598m, 29-34-29/95-29-38.</b>
Houston	29	KEHO-LD	OFF withdrawn, returned to the air June 8 <sup>th</sup> .
<b>Katy</b>	<b>25</b>	<b>KYAZ</b>	<b>Granted STA 390kw/489m; main antenna failed.</b>
Laredo	2	KTNR-LD	Requests power increase to 3kw/55m.
<b>Llano</b>	<b>27</b>	<b>KBVO</b>	<b>Operating at 50% power since May 30<sup>th</sup> transmitter failure.</b>
Mullin	35	KAXW-LD	OFF June 11 <sup>th</sup> pending HVAC repairs. Returned to the air June 29 <sup>th</sup> .
San Antonio	13	KQVE-LD	Requests power increase to 760w/99m, 29-26-30/98-30-23; granted.
Tyler	18	KQKT-LD	Requests power reduction to 100 watts/29m, 32-19-21/95-14-07; granted.
Tyler	21	K21PE	Power reduced to 200w/2m, 32-32-24/95-13-12.
Tyler	24	K24MO	From K46KW, 100w/29m, 32-19-21/95-14-07; granted.
Victoria	4	K04SD	Requests power increase to 1kw/3m, 29-11-34/97-27-52; granted.
<b>Utah</b>			
Logan	15	KUTO-LD	OFF May 24 <sup>th</sup> pending relocation. Requests power reduction to 5kw/127m, 41-36-41/111-57-09; granted.
<b>Vernal</b>	<b>16</b>	<b>TV-PST26</b>	<b>Auction #112: Ventura Media Communications \$1,110,000</b>
<b>Veracruz</b>			
<b>Perote</b>	<b>31</b>	<b>XHIC</b>	<b>New aux, 90.28kw/1330m, 19-29-37/97-08-50 (see text)</b>
<b>Perote</b>	<b>33</b>	<b>XHCPE</b>	<b>New aux, 89.63kw/1330m, 19-29-37/97-08-50 (see text)</b>
<b>Vermont</b>			
Manchester	2	WHNH-CD	Power increased to 3kw/470m, 41-42-13/72-49-55. Site is in Farmington, Connecticut.
<b>Virginia</b>			
<b>Norfolk</b>	<b>16</b>	<b>WTKR</b>	<b>Operating at 40% power since June 17<sup>th</sup> mask filter failure.</b>
<b>Portsmouth</b>	<b>20</b>	<b>WGNT</b>	<b>Operating at 57% power since June 22<sup>nd</sup> mask filter failure.</b>
<b>Washington</b>			
Centerville	10	K10RV	Requests power reduction to 200w/-180m, 45-35-40/121-07-47; granted & reduced.
Centerville	17	K17OY	Requests power reduction to 200w/-180m, 45-35-40/121-07-47; granted & reduced.
<b>Walla Walla</b>	<b>9</b>	<b>TV-PST27</b>	<b>Auction #112: Marquee Broadcasting \$150,000</b>
Yakima	18	K18NL	License canceled June 8th.
<b>Wisconsin</b>			
<b>Eagle River</b>	<b>26</b>	<b>TV-PST28</b>	<b>Auction #112: Gray Television \$182,000</b>
Eau Claire	26	W26FG	Requests power reduction to 100w/35m, 44-45-46/91-26-08; granted.
La Cross (sic)	19	W19DP	Requests power reduction to 100w/-28m, 44-01-24/91-26-21; granted. (and spelling of city corrected to "La Crosse")
Milwaukee	9	WPVS-LD	Granted power increase to 3kw/229m, 43-05-46/87-54-15.

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
Milwaukee	24	WDMW-LD	Power increased to 15kw/199m, 42-58-05/88-11-20 (site is southeast of Waukesha)
Minocqua	35	W35DM	From W39CV, 2.3kw/22m, 45-53-39/89-40-58; granted.
Wausau	31	W31EV	Requests power increase to 15kw/59m, 44-35-47/89-36-20
<b>Wittenberg</b>	<b>31</b>	<b>TV-PST29</b>	<b>Auction #112: TV-49 \$2,770,000</b>

### **Wyoming**

<b>Cheyenne</b>	<b>11</b>	<b>KQCK</b>	<b>Power reduced to 16kw/403m. Requests increase to 31.1kw/403m. Auction #112: no bidders.</b>
<b>Jackson</b>	<b>11</b>		<b>Auction #112: no bidders.</b>
Jackson	24	K24OE	License canceled June 29 <sup>th</sup> .
Lucerne	22	K22NJ	Requests power increase to 870w/129m, 44-04-01/107-51-56. (KCWC-DT Lander) Granted.
<b>Sheridan</b>	<b>7</b>	<b>TV-PST31</b>	<b>Auction #112: Marquee Broadcasting \$150,000.</b>
Wyodak	30	K30MX	Returned to the air June 14 <sup>th</sup> , transmitter repaired.

### **Zacatecas**

<b>Zacatecas</b>	<b>36</b>	<b>XHIV</b>	<b>Granted power to 43.24kw/469m, 22-44-21/102-33-18.</b>
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As always, thanks to Raymie Humbert for information from Mexico. (Other information, unless otherwise noted, comes from the FCC and Industry Canada.)

The antenna heights of the Celaya, Guanajuato and Perote, Veracruz stations are rather extreme. The Perote station is, I believe, higher than any U.S. or Canadian station. However, looking at these sites on Google Earth the extreme height figures are plausible. Nearly all this antenna height comes from location; the towers are not particularly large.

### **SPEAKING OF WAITING**

Instituto Politécnico Nacional, a leading university in Mexico, is also licensee of a network of educational TV stations across the country. As in the USA, these stations must occasionally renew their licenses. In two cases, they failed to do so...

XHSIM-TDT – and IPN’s flagship Mexico City station XEIPN-TDT – weren’t renewed in time. So the IPN came up with another idea: they asked for a new “shadow” (translator) of XHCPAP-TDT Guamúchil in Los Mochis, and one of XHCPAS-TDT Jocotitlán in Mexico City. In the U.S., UHF translators are limited to 15kw ERP – but no such limit exists in Canada or Mexico.

The Mexican government granted both requests. In Los Mochis’ case, a side effect was the change of the station’s call letters from XHSIM-TDT to XHCPAP-TDT. (in Mexico, a translator has the same call letters as its primary station)

In Mexico City’s case... they changed the call letters of the *Jocotitlán* station to XEIPN-TDT. Which had the side effect of making the Mexico City translator’s calls also XEIPN-TDT – exactly what they were before the license expired.

### **PERMANENT FRANKENFM?**

As many of you know, when analog TV still existed, most FM radios could receive the audio of channel 6 analog stations. A number of low-power channel 6 stations took advantage of this characteristic – and some major loopholes in FCC regulations – to operate as radio stations.

Then, last July, all analog TV “sunsetted” in the USA. FM radios cannot receive *digital* TV audio. (not even HD radios; the HD Radio technical standard is different from the digital TV standard) The

channel 6 stations had to shut down their radio operations & broadcast a signal that could only be received on TV sets.

When analog full-power TV was shut down, WRGB in Schenectady, New York tried to transmit an ATSC 1.0 signal and an analog radio signal at the same time. It seems highly unlikely the operation was technically functional. Either the digital TV signal would be “squeezed” (and probably not be decodable in TV sets) or it would cause massive interference to the FM radio signal. The experiment ended pretty quickly, and became a totally moot point a few weeks ago when WRGB moved to physical channel 35.

But ATSC 3.0 is different. ATSC 1.0 uses one carrier & requires the entire 6MHz channel to work. ATSC 3.0 uses multiple carriers. (thousands) It is possible to transmit an ATSC 3.0 signal in less than 6MHz of bandwidth and, at least in theory, still be received. That leaves room for an FM audio signal in the channel.

KBKF-LD San Jose was the first station to request Special Temporary Authority for this ATSC 3.0/analog FM dual-mode operation. DXers have dubbed it “FrankenFM”. The FCC agreed to issue six months’ Special Temporary Authority. (“KBKF STA”) A number of conditions were attached, including:

- The TV signal must be ATSC 3.0.
- The FM signal must be on 87.75MHz.
- No interference to other stations may result.
- KBKF’s TV signal may not interfere with their FM signal.
- KBKF’s FM signal may not interfere with their TV signal.
- The FM and TV coverage areas must be similar.
- Reports must be submitted at the 90- and 180-day points confirming compliance with the conditions.

After the KBKF STA was issued, other “FrankenFM” operators requested similar permission. Twelve additional STAs were issued:

KZNO-LD	Big Bear Lake, Cal. (Los Angeles)
KEFM-LD	Sacramento
KRPE-LD	San Diego
KXDP-LD	Denver
WDCN-LD	Fairfax, Va. (Washington)
WEYS-LD	Miami
WTBS-LD	Atlanta
WRME-LD	Chicago
KGHD-LD	Las Vegas
WNYZ-LD	New York
WPGF-LD	Memphis
WMTO-LD	Norfolk, Va.

In June, the Commission issued a Notice of Proposed Rulemaking on the topic. (FCC 22-40) They request comment on five points:

- Should these operations (the FCC calls them “FM6 operations”) be authorized to continue?
- Should existing FM6 operations be authorized as “ancillary” services? If so, should the “KBKF STA” conditions be continued?
- Should FM6 operations be limited to the existing 13 STA holders?
- Should a NPR proposal to allow regular non-commercial FM operation in 82-88MHz be adopted?
- Should the rules limiting the operation of non-commercial FM stations below 92MHz in areas near a channel 6 TV station be revised or eliminated?

I'm an engineer, not a lawyer. I do see a possible significant hitch in the FrankenFM plan. According to the Commission document, 336(b)(2) of the Communications Act requires that "ancillary or supplementary services" on TV channels must "avoid derogation of any advanced television services". While an FM signal sharing a channel with an ATSC 3.0 TV signal may not *interfere* with the TV signal, it does limit the amount of bandwidth available for the TV transmission. The TV signal must either use less error correction (making interference and noise more likely to prevent reception); or more heavily compress the TV video and/or audio (resulting in a poorer-quality TV picture); or transmit fewer TV subchannels. It would seem to me all three options would "derogate" the TV signal.

I am of the impression the Commission would rather not do this. (if I had to guess, I'd say one or more of the FrankenFM operators got their Congresspeople involved.) The proceeding proposes to authorize FrankenFM operation ONLY to the 13 stations which already hold STAs.

This is to some degree reminiscent to what happened when the Class A TV service was created. Certain LPTV operators feared losing their channels to the DTV conversion, and lobbied for guarantees of continued spectrum. They got Congress involved, and a new class of stations was created which would be guaranteed a protected channel. Eligibility for that class was limited to stations which produced local programming and agreed to follow various full-power rules that aren't applicable to LPTVs. Eligibility was also limited to stations which certified eligibility for Class A service within 60 days of the enactment of the CBPA, the law requiring creation of that service. New LPTV stations may have met the requirements for Class A service in the 20 years since then, but only those which were eligible in 2000 can be Class A.

Two applications for new "KBKF STAs" were filed this month. (KMCF-LD Visalia, California and WDMY-LD Toledo) Both have been dismissed. If the Commission's proposal is adopted as proposed, these stations will not be eligible for FrankenFM service.

## **MORE REGULAR FM?**

I mentioned in passing above a NPR proposal to expand the non-commercial FM band down to 82MHz. The FrankenFM stations provide only a single FM signal in any given location – licensing FM stations in 82-88MHz with the existing FM standards would allow as many as eight additional FM stations at any given site. NPR does NOT propose to evict TV stations (either low-power or full-power) from channel 6 – they propose to only authorize FM radio in areas where it wouldn't interfere with existing TV.

I do not expect any action on this proposal. My impression is NPR filed this in hopes of forestalling FrankenFM operations, fearing interference to member stations operating below 88.7MHz. There are no regulations – current or proposed – limiting the use of channel 6 by TV stations, either full- or low-power – in areas near a non-commercial FM station. (On the other hand, 73.525 limits the operation of FM stations below 92MHz in areas near a channel 6 TV station)

FM stations at the same site must be at least 0.8MHz apart. If a station exists on the Sears Tower (OK, Willis...) in Chicago on 91.5MHz, no other station may operate from that building on any frequency higher than 90.7 and lower than 92.3.

No such regulation applies to FrankenFMs. If a station exists on the Sears Tower on 88.1MHz, no station may operate below 88.9 at the same site – but a Franken FM could transmit on 87.75, just 0.35MHz below the "regular" FM station.

FrankenFM operations may be licensed as "low power", but there is no limit on antenna height. WRME-LD Chicago is 386 meters above average terrain; this means its signal is only 2dB below that of a full-power Class B station (like WBBM 96.3) and 9dB *more* than a Class A full-power FM station.

NPR argues that expanding non-commercial FM down to 82MHz is a more efficient use of the spectrum. Of course, it would also bring that spectrum under the FM rules. In the case of the hypothetical Sears Tower station on 88.1, it would preclude any FM station from operating on any frequency above 87.3 – but would allow six more stations than the FrankenFM proposal would permit.

**NEW BLOOD**

Last month I mentioned Auction #112. The auction happened slightly later than expected, but we now have the results. Of the 27 permits on offer, 18 sold for amounts between \$150,000 and \$6,411,000.

*The successful bidders included:*

Gray Television	Flagstaff, Ariz.	32
	Yuma, Ariz.	11
	Freeport, Ill.	9
	Winnemucca, Nev.	7
	Eagle River, Wis.	26
Radiant Life Ministries	Alexandria, Minn.	7
TV-49	Ely, Nev.	27
	Tonopah, Nev.	9
	Carlsbad, N.M.	19
	Silver City, N.M.	10 & 12 (both)
	Wittenberg, Wis.	31
Sinclair Television Group	Syracuse, N.Y.	15
BEK Sports Network	Grand Forks, N.D.	27
Marquee Broadcasting	Price, Utah	11
	Walla Walla, Wash.	9
	Sheridan, Wyo.	7
Ventura Media Communications	Vernal, Utah	16

*Channels with no bids:*

Fairbanks, Alaska	7
Eureka, Cal.	17
Idaho Falls	26
Havre, Mont.	9
Aberdeen, S.Dak.	9
Jackson, Wyo.	7

These applicants must now file a formal application for construction permit. Once the FCC processes (and presumably approves) this application, the licensee has three years to construct.

**ATSC 3.0 SCORECARD**

Along with the inquiry about FrankenFMs, the Commission has opened a proceeding seeking comments about the progress of ATSC 3.0. I don't really expect any of these proposals to have a significant effect on DX.

- *They ask how the rollout of 3.0 is doing.* What proportion of households are within the coverage area of 3.0 stations? Are all major networks represented? Minor networks? Is 3.0 working as well as expected? What challenges have been faced? When does the industry expect *all* viewers to have access to 3.0 signals? What features unique to 3.0 are available? When will they become available? When the 3.0 receiver is connected to the Internet, what data does it collect and what does it do with that data?
- *They ask about the availability of ATSC 3.0 receiving equipment.* They cite an article

suggesting 11% of TVs sold in 2022 will receive 3.0. The least-expensive is a Sony X80J selling for \$400. (My boss has one of these in his office. It works well but has a few, uh, *interesting* features. I suspect many owners don't know they're watching 3.0, and if a station has a 3.0 signal there doesn't appear to be any way to watch that station's 1.0 simulcast.) How many 3.0 receivers have been sold? How available are 3.0=>1.0 converters? Do any of these work without Internet access? (they specifically mention the HDHomeRun 4K at \$199) Do TV stations have any interest in distributing 3.0 converters?

- *How many viewers are watching 3.0 signals?* How do you determine that figure? Are viewers aware of 3.0? How are stations, setmakers, and retailers educating the public about ATSC 3.0?
- *Are cable/satellite services carrying 3.0 signals?*
- *Are there any patent licensing hangups?* Are licenses available on reasonable & non-discriminatory terms?
- *Should the "substantially similar rule" be retained?* This rule requires a station deploying ATSC 3.0 to arrange for an ATSC 1.0 simulcast with substantially similar content and coverage.
- *Should the requirement that 3.0 broadcasts comply with standard A/322 be retained?* This standard defines the RF transmission parameters. ATSC 1.0 has only one set of parameters – 3.0 can handle several, and provides another standard to describe which set is in use. A/322 limits the flexibility of transmission but also limits the range of signals receivers need to support.

## **ONE AFFILIATION... OR TWO... OR THREE... OR FOUR???**

Jon Ellis' Northpine.com website recently published a list of Upper Midwest TV markets where the same company owns affiliates of more than one major network. That spurred me to do a bit of looking into these situations elsewhere in the country.

Today, most of us think of a TV station as being affiliated with only one network. "NBC 4", "ABC-27", "3CBS", "Fox 17", etc... It hasn't always been that way. In the 1950s and early 1960s, many markets had only one or two TV stations. If all three networks were to be represented, at least two would have to share a station.

In 1957, there were 186 TV stations affiliated with more than one network. 178 of them had an ABC affiliation. (130 had CBS, 123 had NBC) What this meant was that ABC was the "also-ran" network. Usually, a station would affiliate with ABC only if it had no other choice. Often ABC ended up on the only UHF station in a market – and the only UHF station in a market often didn't last very long. Of course, in the analog era a given station could only carry one program at a time. A network-sharing station would not carry the entire schedule of any network – it would generally carry whichever network's program delivered the highest audience at any given time. That network was usually *not* ABC. Commonly, a station would be affiliated with CBS or NBC, would carry all of that network's programming, then would clear an unusually popular ABC program at a time when CBS/NBC wasn't programming.

Some of these multiple affiliation situations were in surprisingly large markets. Birmingham, WABT-13. Miami, WTVJ-4. Boston, WNAC-7. Charlotte, WBTB-3. Norfolk, WTAR-3.

Once the All-Channel Act took effect in the mid-1960s, UHF stations became at least financially viable, if not swimming in money. A third station, on UHF, could take over an ABC affiliation, allowing the two VHF stations to operate as exclusive CBS or NBC outlets. By 1972, only 79 multiple-network affiliates were left. ABC was still usually the odd man out, with 72 of the 79 stations having an ABC affiliation. (55 had CBS, 53 NBC)

By the time analog TV approached its end in 2009, UHF was fully competitive. In 2003 only fourteen multiple-network affiliates remained, and ABC was no longer an also-ran. 12 multiple-network stations had an ABC affiliation, 9 CBS, and 10 NBC. (By this time a fourth network, Fox, existed – but

no station had both Fox and something else)

And then came digital...

It is now possible for a TV station to carry more than one network *at the same time*. In Peoria, WEEK-TV carries NBC on channel 25.1 – and ABC on 25.2. No longer are multiple-network affiliations forced by a lack of TV stations; we have far more stations than we did in 1972. Today, it's driven by competitive forces. In 1972, WEEK-TV's competition was WMBD-TV & WRAU-TV. In 2022, there's a third over-the-air competitor (WYZZ-TV) – and dozens of cable channels, not to mention untold online video streams. Combining the popular ABC and NBC programs on a single station leaves WEEK in a better position to compete for the advertising market.

In 2022, we're back up to 115 multiple-network affiliates. The split is nearly evenly divided, except that Fox is to some degree the odd man out. (56 ABC, 57 CBS, 54 NBC – and 69 Fox) Markets involved are generally small. The three largest are Albuquerque (KRQE-13, CBS & Fox); Columbus, Ohio (WSYX-6, ABC & Fox); and Dayton. (WKEF-22, ABC & Fox) The vast majority are only juggling two networks. There are four cases of triple affiliations; Alpena, Michigan's WBKB-11 has shoehorned in all four major networks. Somehow.



**July 2022**

SHOWER	DATE OF MAXIMUM ACTIVITY	CELESTIAL POSITION	ENTRY VELOCITY	CULMINATION	HOURLY RATE	CLASS
		RA (RA in Deg.) DEC	Km/Sec	Local Daylight Saving Time	North-South	
Anthelion (ANT)	–	19:36 (294) -21	30	02:00	2 – 3	II
Northern June Aquilids (NZC)	Jul 15	20:38 (310) -06	39	03:00	<1 – <1	IV
Microscopiids (MIC)	Jul 06	21:01 (315) -27	40	03:00	<1 – <1	IV
July Pegasids (JPE)	Jul 11	22:46 (342) +09	65	05:00	<1 – <1	IV
zeta Cassiopeiids (ZCS)	Jul 16	23:19 (350) +47	53	06:00	<1 – <1	IV
phi Piscids (PPS)	Jul 10	01:00 (015) +26	66	08:00	1 – 1	IV
c-Andromedids (CAN)	Jul 12	01:29 (022) +45	57	09:00	<1 – <1	IV
July chi Arietids (JXA)	Jul 07	01:50 (027) +05	68	09:00	<1 – <1	IV

# FM Facility Changes

## 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**

## JULY 2022

AK Fairbanks 98.9 NEW-775519 PA 99w/26m, 64-53-08/147-37-52  
 AK Homer 92.1 NEW-775456 PA 10w/209m, 59-40-16/151-30-32 (CSN International)  
 AK Ketchikan 92.1 NEW-775479 PA 99w/-6m, 55-20-22/131-37-35 (CSN INTERNATIONAL)  
 AK Palmer 101.7 NEW-775505 PA 99w/51m, 61-37-16/149-01-24 (CSN INTERNATIONAL)  
 AK Sitka 92.1 NEW-775565 PA 99w/-207m, 57-03-02/135-20-00  
 AL Columbia 93.7 WSGQ-LP QG from 103.3, 61m  
 AR Conway 98.9 K255DN QG from K223CR-92.5, 250w/107m, 35-06-34/92-30-27 (KVOM-800 Morrilton)  
 AZ Fort Mohave 103.9 KIDD PC>1kw/17m, 35-02-25/114-35-24  
 AZ Meadview KCYE CC from KVGs  
 AZ Mesa 99.5 KBYE-LP CC from KFXy-LP  
 AZ Pinon 89.3 NEW-768195 NS 16kw/527m, 36-21-09/109-50-00 (Good News Broadcasting Network)  
 AZ Safford 89.5 K208BT RA June 13th.  
 CA Beaumont 105.5 KXRS QG from 105.7, 3.1kw/143m, 34-01-38/116-58-35; CL from Hemet  
 CA Big Bear City 88.7 KFHM RA June 23rd  
 CA Coachella 103.9 K280FO Primary changed from KYRM-91.9 to KRTM-88.1 Banning.  
 CA Davis 97.5 KSZS-LP Returned to the air Apr. 9th.  
 CA Doyle 90.9 NEW-768421 NS 4kw/607m, 40-07-00/120-19-03 (Friends of Black Rock High Rock)  
 CA Los Gatos 90.9 K215FQ QG from K212AA-90.3, 55w/267m, 37-12-14/121-57-02 (KXSC-104.9 Sunnyvale)  
 CA Needles 92.9 K225DF QC from K281CR-104.1 (KTOX-1340)  
 CA North Shore 91.1 768411 NS 120w/188m, 33-39-18/115-59-11 (Slab City Community Group)  
 CA Ramona 97.3 KWFN-FM2 PG 36w/541m, 33-00-32/116-58-20  
 CA Sacramento 107.9 KSTE-FM NW 50kw/122m, 38-42-38/121-28-58  
 CA Sacramento 107.9 KZIS CC from KSTE-FM  
 CA Sacramento 97.5 KDEE-LP PG>75w/40m, 38-36-23/121-26-40  
 CA San Miguel 90.7 NEW-767062 NS 4kw/84m, 35-52-58/120-49-19 (Radio Bilingue)  
 CA Ukiah 92.5 K223AJ XG 39-07-50/123-04-36 (KOSC-89.9 Angwin)

CO Alma 89.5 KYHI CC for NS  
 CO Alma 89.5 NEW-766804 NS 180w/658m, 39-17-25/106-10-54 (San Tan Educational Media)  
 CO Buena Vista 90.3 KFXy CC for NS  
 CO Craig 89.7 KRYJ CC for NS  
 CO Fort Collins 88.9 KRFC PC>50kw/54m, 40-34-03/104-54-59  
 CO Manitou Springs 206 K206BZ PC>30w/-485m (KEPC-89.7 COrodo Springs)  
 CT Bolton 90.9 NEW-767765 NS 115w/75m, 41-47-20/72-25-45 (REVIVAL CHRISTIAN MINISTRIES)  
 FL Bradenton 96.1 W241DH OFF Apr. 21st  
 FL Clermont 103.7 W279CT PG>250w/130m (WPOZ-88.3 Orlando)  
 FL Tallahassee 100.3 W262CC PC>99w/172m, 30-29-33/84-17-12 (WGMY-107.1 Thomasville, Ga.)  
 GA Athens 95.9 W240EK PC<100w/89m, 34-05-01/83-19-19 (WYZI-810 Royston)  
 GA Blairsville 89.9 WCRY CC for NS (Legacy Broadcasting)  
 GA Bowdon 91.5 NEW-766075 NS 2kw/108m, 33-23-17/85-15-24 (Living Springs Retreat)  
 GA Collins 90.7 WJYF PG 100kw/107m, 32-03-51/82-19-25  
 GA Morrow 100.1 W261BG OFF June 20th, transMson line damage.  
 GA Rossville 96.1 W241AF PC 250w/378m, 35-00-36/85-20-36 (WFLI-1070 Lookout Mountain, Tenn.)  
 HI Haiku 106.5 KRYL PC 340w/1781m, 20-42-23/156-15-39  
 HI Hilo 90.3 KCIF PC>2kw/15m  
 HI Hilo 99.3 K257GV PC>250w/18m (KIPA-1060)  
 HI Lanai City 104.7 KONI PG<29kw/165m, 20-44-28/156-18-18  
 HI Wailea 97.3 KRKH PC 320w/1781m, 20-42-23/156-15-39  
 IA Ames 89.7 K209FW NW 27w/38m, 42-01-18/93-34-58 (KHRI-90.7 Hollister, Cal.)  
 IA Davenport 103.1 KTJT-LP QC from 102.7, 100w/27m, 41-31-48/90-34-04  
 IA Muscatine 107.1 K296GZ PG<250w/160m, 41-30-03/90-40-24 (WLLR-FM 103.7 Davenport)  
 IA Odebolt 88.7 NEW-765633 NS 100kw/51m, 42-18-21/95-14-57 (Faith Lutheran Church)  
 IA Osage 89.7 KJGA CC for NS  
 IA Vinton 107.1 KRQN OFF June 5th, lightning.  
 ID Boise 99.9 K260CU PG>250w/786m (KSRV-FM 96.1 ONrio)  
 IL Chicago 98.3 W252AW PG 250w, 41-49-57/87-42-20 (WRLL-1450 Cicero)



IL Harvard 88.9 WYWL PG 5.7kw/40m, 42-23-54/88-37-06  
 IN Indianapolis 96.3 WYHX CC from WHHH  
 IN New Castle 102.5 WMDH-FM Operating at 12% power since June 9th transmitter issues.  
 KS Belle Plaine 99.7 KGHF CC from KHLT-FM  
 KS Effingham 96.9 KDVB PG>50kw/114m, 39-15-41/95-39-21  
 KS Haven 97.1 KIBB OFF Apr. 11th, transmitter failure.  
 KS Liberal 101.5 KSMM OFF Apr. 28th, transmitter failure.  
 KS Liberal 91.9 NEW-768651 NS 500w/78m, 37-03-14/100-51-24 (KRH Educational Foundation)  
 KS Lindsborg 95.5 KVOB OFF Mar. 5th pending provision of programming.  
 KS Minneapolis 92.7 KZUH Returned to the air Apr. 11th.  
 KS Parsons 89.5 K208EK RA June 20th, repairs completed.  
 KS Wichita 104.9 KYOM-LP QG from 95.9, 50w/7m, 37-39-00/97-19-32.  
 KY Franklin 92.3 W222CZ PG 250w/69m, 36-44-21/86-34-35 (WFKN-1220)  
 KY Willamstown 88.5 NEW-768624 NS 16kw/97m, 38-37-14/84-34-15 (Vanguard Association of Sunbelt Colleges Corporation)  
 MA Greenfield 100.5 W263DE NW 250w/-77m, 42-35-20/72-37-03 (WIZZ-1520)  
 MI Boyne City 100.5 W263CD License canceled Apr. 26th.  
 MI Harrisville 97.9 WXTF-LP PG<100w/4m, 44-39-24/83-17-29  
 MI Holland 89.9 WTHS OFF Apr. 30th; transmitter failure.  
 MI Ironwood 89.3 WHWT CC for NS (Gospel Opportunities)  
 MI Saginaw 105.1 W286CI PC>250w/37m, 43-24-15/83-58-15 (WEJC-88.3 White Star)  
 MN Mankato 103.1 K276EH PG>250w/141m (KFSP-1230)  
 MN Winnebago 89.1 KJLW CC for NS  
 MO Bunker 106.3 KQBD CX20  
 MO Hayti 88.1 NEW-762511 NS 27.5kw/98m, 36-29-55/89-51-16 (Crossroads Worship Center)  
 MS Clarksdale 88.1 765274 NS (OPEN SKY RADIO CORP)  
 MS Raymond 90.7 W214BE PG 250w/141m, 32-14-27/90-24-15 (WJLV-94.7 Jackson)  
 MS Shelby 89.5 NEW-766580 NS 50kw/88m, 33-56-48/90-50-58 (Delta State University)  
 MT Lockwood 88.9 KYWH OFF Apr. 22nd, financial difficulties  
 NC Elkin 102.7 W274CJ NW 10w/177m, 36-11-33/80-49-13 (WBFJ-FM 89.3 Winston-Salem)  
 NC Greensboro 104.7 W284BN OFF Apr. 22nd, transmitter failure.  
 NC Greensboro 97.7 W249CN PG>45w/90m, 36-03-42/79-47-34 (WTRU-830 Kernersville)  
 NC Henderson 92.5 WYFL PC<100kw/304m, 36-13-30/78-12-08  
 NC Lillington 92.7 W224DO OFF withdrawn, meant to file for W228DS-93.5.  
 NC Robbinsville 90.3 WVGC CC from WATG  
 NC Rocky Mount 105.7 W289BL PG<250w/18m, 35-58-45/77-34-35 (WEED-1390)  
 ND Grand Forks 95.3 K237ER Operating at reduced power since Apr. 14th, antenna failure.  
 ND Williston 90.1 K211FS OFF Apr. 23rd pending "power restoration project".

NE Central City 95.1 KOOW-LP OFF Apr. 29th, transmitter failure.  
 NE Lexington 91.3 KXNG CC for NS  
 NE Scottsbluff 88.7 KSCF CC for NS (MyBridge Radio)  
 NE Valentine 89.3 KKNL RA June 16th.  
 NH Conway 91.1 WJNH NW 90w/264m, 44-03-30/71-05-29  
 NJ Harmony Township 90.7 WPNJ PG>51w/246m, 40-46-14/75-03-51; CL from Easton, PAa.  
 NM Milan 89.5 KVLK RA Apr. 25th  
 NM Roswell 103.1 K276ED PC>250w/23m, 33-23-34/104-31-30 (KHFM-95.5 Santa Fe)  
 NS Northeast Margaree 93.9 CBHF-FM PG<110w/-121m  
 NV Boulder City 102.7 KVGs CC from KCYE  
 NV Indian Springs 90.1 KQQY CC for NS  
 NY Rochester 98.5 WARI-LP CX23  
 NY West Schuyler 89.1 W206CI QC from W203BZ-88.5, 10w/138m, 43-08-34/75-10-33 (WPCS-89.5 Pensacola, Fla.)  
 OH Columbus 95.1 W236CZ Primary changed to WJKR-HD2 103.9 Worthington.  
 OH Newark 104.1 WJFY-LP QG from 104.3, 75w/30m, 40-00-11/82-27-08  
 ON Ear Falls 95.5 CBOI-FM NS 130w/13m; to reinstate permit to move from 690 AM.  
 OR Astoria 88.3 K202ER PG 13w/432, 46-17-11/123-53-51 (KGIO-90.5)  
 OR Cove 91.1 NEW-763201 PG 18w/770m, 45-18-34/117-44-01 (WALLA WALLA UNIVERSITY)  
 OR Jordan Valley 90.9 KGCL NW 8kw/670m, 43-00-25/116-42-16  
 OR McMinnville 96.3 KKJC-LP OFF Mar. 20th, transmitter failure followed by antenna issue.  
 OR Prineville 96.9 K245BC PC>250w/655m (KRCO-690)  
 OR Toledo 90.9 K215FR PG 75w/130m, 44-38-39/124-00-55 (WPCS-89.5 Pensacola, Fla.)  
 PA Clarks Summit 93.9 W230DI PG 223w/214m, 41-28-00/75-41-08 (WGMM-1460 or WCDJ-91.3 Tunkhannock)  
 PA Gap 92.9 WNUZ-LP OFF June 24th, financial hardship.  
 PA New Castle 105.5 WLDJ-LP QG from 107.5, 87w/32m, 41-03-36/80-21-26  
 PA Reading 99.3 W257DI PG>250w, 40-19-22/76-11-50 (WIOV-1240)  
 PA Scranton 104.5 W283BE PC>197w/379m, 41-25-36/75-44-51 (WGMF-730 Nanticoke)  
 PR Ceiba 99.9 WIOA-FM1 PG 210w/907m, 18-16-43/65-40-12  
 SC Columbia 107.1 W296EI PG>250w/102m (WFMV-620 Cayce)  
 SD Hot Springs 96.3 KZMX-FM QC from 96.7  
 TN Ducktown 89.3 WNTG CC for NS (Legacy Broadcasting)  
 TX Bay City 88.1 KQUE-FM Returned to full power June 10th.  
 TX Bowie 97.3 K247CW PG 250w/85m, 33-35-09/97-48-27 (KNTX-1410)  
 TX Carrizo Springs 88.1 766624 NS 33kw/118m, 28-38-42/99-50-49 TX Pampa 91.7 KLCP CC for NS  
 TX Fredericksburg 101.3 K267AO OFF  
 TX Freeport 103.3 KJOJ-FM CX22, off over a year. (since Dec. 14th, 2020)  
 TX Giddings 96.3 KGID PC<175w/46m, 30-11-17/96-54-20

TX Lamesa 104.7 KVLM CC from KTXC  
 TX Llano 96.3 KTHE PC<8kw  
 TX Longview 94.1 K231DK PG 250w/56m, 32-29-41/94-44-17 (KFRO-1370 )  
 TX Odessa 101.7 K269FG PC<140w/109m, 31-51-45/102-24-40 (KFLB-FM 88.1 Stanton or KFLB-920 Odessa)  
 TX Santa Anna 105.5 KSZX OFF June 12th, tower destroyed in storm.  
 VA Big Island 103.9 WHTU PC>190w/540m, 37-28-14/79-22-34  
 VA Charlottesville 99.3 W257ET PG 99w/298m, 37-59-04/78-28-51 (WCHV-1260)  
 VA Farmville 89.5 NEW-767599 NS 25kw/55m, 37-17-50/78-23-01 (Farmville Seventh Day Adventist Church)  
 VA Halifax 91.9 NEW-764201 NS 27kw/102m, 36-43-59/78-56-02 (Solid Foundation Broadcasting)  
 VA Norfolk 102.5 W273DZ RA June 21st with original facilities -- decided not to implement authorized changes.  
 VA Portsmouth 95.3 W237FM NW 99w/145m, 36-48-37/76-16-

57 (WPCE-1400 Portsmouth)  
 VA Suffolk 92.9 WTWV-FM CC from WVBW  
 VT Derby Center 89.3 NEW-767944 NS 150w/-3m, 44-57-19/72-07-51 (Christian Ministries)  
 WA Centerville 90.5 NEW-762679 NS 500w/581m, 45-42-43/121-07-00 (GROWING CHRISTIAN FOUNDATION)  
 WA Vancouver 91.9 KOUV-LP QG from 107.9  
 WA Wishram 89.3 NEW-764327 NS 56w/558m, 45-40-53/120-54-34 (GROWING CHRISTIAN FOUNDATION)  
 WI Cedarburg 93.9 W230DJ PG 250w/63m, 43-17-36/87-59-23 (WIBD-1470 West Bend)  
 WI Madison 99.5 W258CM PG>250w/109m, 43-10-09/89-15-38 (92.1 FM tower, Sun Prairie) (WSJY-107.3 Ft. Atkinson)  
 WV Huntington 95.3 W237ER PC>250w/72m, 38-25-17/82-23-47 (WYSN-1200)  
 WY Gillette 95.7 KCOV-LP PG<75w/29m, 44-17-22/105-30-01  
 WY Pinedale 88.9 762739 NS 8kw/138m, 42-50-40/109-55-28 (University of Wyoming)

## 28<sup>th</sup> Annual Madison-Milwaukee GTG

The 28th annual Madison-Milwaukee Get-Together will take place on Saturday, August 20 this year, beginning at 1 p.m. central. It is an all-band event and all radio hobbyists are welcome. In the tradition of alternating between the cities, we return to the Milwaukee area this year at our home in Oak Creek. The address is 801 E Park Blvd, Oak Creek WI 53154. Feel free to contact me for more information at DXing2@aol.com or 414 813-7373. 73, Tim Noonan



The Es Van has been observed on the freeways and back roads of Socal and Nevada quite a bit this season. Some have even noticed it parked in Randy Zerr's driveway.

# FM Slogans and Formats

JULY 2022

Data taken from Radioinsight, Stationintel, listener reports and other internet sites.

Keith McGinnis

State	Calls	Freq	Location	Comment
AZ	KMVA	97.5	Dewey	From "Hot AC" to "Rhythmic Hot AC" - "Hot 97.5/103.9" too "The Rhythm of the Valley"
CA	KZIS	107.9	Sacramento	Calls from "KTSE" to "KZIS" - "Stunting" to "Hot AC"
CA	KZSQ	92.7	Sonora	From "AC" to "Classic Hits" as "The New Star 92.7"
CO	KHTN	92.1	La Junta	From "Big Country 92.1" to "Thunder Country 92.1"
CO	W282BX	104.3	La Junta	From "News/Talk" to "Classic Hits" - "News/Talk 1400" to "Lightning 1400"
CO	KUAD	99.1	Windsor	From "New Country 99.1" to "K99"
DC	W264DB	100.7	Falls Church	Launched "La Pantera 100.7" - "Regional Mexican and Spanish Rhythmic"
FL	W262CC	100.3	Tallahassee	Launched "BIN 100.3" - Black Information Network
FL	WTKE	100.3	Niceville	From "Sports" to "Classic Rock" - "100.3 The Ticket" to "100.3 K-Rock"
FL	WSUN	97.1	Holiday	From "Modern Rock" to "Tropical" - "97 X" to "El Zol 97.1"
FL	WPYO	95.3	Maitland	From "CHR" to "Spanish CHR" - "Power 93.5" to "El Zol 95.3"
IL	WJDK	95.7	Seneca	From "AC" to "Country" - to "K Country 95.7"
IL	WKQX	101.1	Chicago	From "101 WKQX" to "Q 101"
IL	WLNX	88.9	Lincoln	From "Adult Alternative" to "Silent" - station off air College closed
KS	KMPK	96.7	McPherson	Calls from "KBBE" to "KMPK"
KS	KMPK	96.7	McPherson	From "Classic Hits" to "AC" - "Classic Hits 96.7" to "Mix 96.7"
KS	K255DK	98.9	McPherson	From "News/Talk 1540 KNGL" to "McPherson's News, Sports and Classic Hits"
KS	KHST	101.7	Lamar	From "Country" to "oldies"
KS	KGHF	99.7	Belle Plaine	Calls from "KHLT" to "KGHF"
KS	KGHF	99.7	Belle Plaine	From "Regional Mexican" to "Classic Country" - "La Raza" to "99.7 Hank FM"
MA	W287CW	105.3	Methuen	From "Cont Christian" to "Spanish Hits" - "K-Love" to "LatinX"
MD	WRBS	95.1	Baltimore	From "95.1 Shine FM" to "Bright FM"
MI	WFNA	88.3	Port Huron	From "Christian CHR" to "Christian Preaching" - "Power 88.3" to "Thrive Radio"
MN	K229DJ	93.7	Walker	From "Classic Hits" to "Sports"
MN	KQKK	101.9	Walker	From "Soft AC" to "Classic Hits" - "KQ102" to "101.9 The Arrow"
MO	KFLW	98.9	St. Robert	From "98.9 The Fort" to "98.9 The Mix"
MO	KBXB	97.9	Sikeston	From "B 97.9" to "Freedom 97.9"
MT	K282CE	104.3	Great Falls	From "Oldies" to "Classic Country" as "Real Country 104.3"
MX	XHGTS	107.3	Nuevo Laredo / Laredo	From "CHR" to "Classic Hits" as "Laredo's Classic Hits 107.3"

NC	W283BT	104.5	Burlington	Launched "Hope 104.5" - "Christian AC"
NE	KLIQ	94.5	Hastings	From "AC" to "Regional Mexican" - "The Breeze 94.5" to "Fiesta 94.5"
NY	W251BY	98.1	Patchogue	From "Oldies 98.1" to "Big 98.1"
NY	WBUF	92.9	Buffalo	From "Classic Rock" to "Active Rock"
NY	WKXZ	93.9	Norwich	From "KXZ 94FM" to "Star 93.9"
NY	W232AT	94.3	Norwich	From "KXZ 94FM" to "Star 93.9"
NY	W257BE	99.3	Hamilton	From "KXZ 94FM" to "Star 93.9"
OH	W236CZ	95.1	Columbus	From "Soft Oldies" to "AC" - "Easy 95.1" to "Star 95.1"
OH	WCSM	96.7	Celina	From "AC" to "Hot AC"- as "96.7 The Wave"
OK	KKWD	104.9	Bethany	From "Rhythmic CHR" to "Variety Hits" - "Wild 104.9" to "Alice 104.9"
OK	KTRX	92.7	Dickson	From "Active Rock" to "Adult CHR" as "Star 92.7"
ON	CHMT	93.1	Timmins	From "Classic Hits" to "Country" - "The Moose" to "Timmins's Best Countr"
PA	W268BB	101.5	State College	From "Stunting" to "Hip Hop" as "Loud 101.5"
PA	WOGL	98.1	Philadelphia	From "98.1 WOGL" to "Big 98.1"
QC	CJGO-1	95.7	Rouyn-Noranda	From "Active Rock" to "CHR" - "Capitale Rock" to "O"
QC	CHGO	104.3	Amos	From "Active Rock" to "CHR" - "Capitale Rock" to "O"
QC	CJGO	102.1	La Sarre	From "Active Rock" to "CHR" - "Capitale Rock" to "O"
SC	W255BZ	98.9	Myrtle Beach	Launched "El Gallo 102.3" - "Regional Mexican"
SC	W272CV	102.3	Myrtle Beach	Launched "El Gallo 102.3" - "Regional Mexican"
SC	W298BI	107.5	Florence	Launched "Jamz 107.5" - "Classic Hip Hop"
TN	W235BW	94.9	La Vergne	From "ESPN 94.9" to "94.9 The Fan"
TN	W249BN	97.7	Memphis	Frequency Change for "B96.3"(W242CF) to "B97.7"(W249BN)
TN	W240DT	95.9	Follette	From "Classic Country" to "Classic Rock" - "Classic Hit Country" to "95.9 Rocks"
TN	W253CX	98.5	Fayetteville	From "1240 Country" to "98.5 The Elk"
TX	W277CX	103.3	San Antonio	Launched "Tejano 95.7 & 103.3"
TX	KTFM	94.1	Floresville	From "Top 40" to "Sports" - "Energy 94.1" to "Sports Star"
TX	K231DA	94.1	Huntsville	From "The Hits 104.9/94.1" to "The Lake 94.1 & 104.9"
TX	K285GE	104.9	Huntsville	From "The Hits 104.9/94.1" to "The Lake 94.1 & 104.9"
VA	WVHT	100.5	Norfolk	From "CHR" to "Urban Adult Hits" - "Hot 100" to "100.5 The Vibe"
VA	WHTU	103.9	Big Island	From "Oldies" to "Classic Hits" - "Oldies 103.9" - "Rewind 103.9"
WA	KKSR	95.7	Walla Walla	From "Christian AC" to "Classic Hits" - "95.7 The Bridge" to "Big 95.7"
WA	K291BS	106.1	Richland	From "AC" to "Christian AC" - "106.1 More-FM" to "106.1 The Bridge"

# Northern FM DX

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



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

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

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

## Russ Edmunds, WB2BJH, Blue Bell, PA 2 SDRPlay RSP1a SDR's, APS9a at 15'

Time	CALL	FREQ	CITY	STATE	RDS PI	PROG DETAILS	DIST	GRID
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May 7 2022 Es

15:15	KXKC	99.1	New Iberia	LA	ID		1154	EM40
15:15	KPAQ	88.1	Plaquemines	LA	RDS Capture 0000		1131	EM40
15:15	WRKF	89.3	Baton Rouge	LA	RDS Capture 8295		1121	EM40
15:15	WWRA	91.9	Clinton	LA	Spanish - R. Amor		1083	EM40
15:16	WFFN	95.3	Coaling	AL	Station promo		825	EM63
15:18	WMAW	88.1	Meridian	MS	RDS Capture 75EB		644	EM92
15:18	WMAU	88.9	Bude	MS	RDS Capture 75EB		617	EN60
15:19	WJDQ	101.3	Meridian	MS	ID		921	EM52
15:19	WPAE	89.7	Centreville	MS	RDS Capture 7C48		1082	EM41
15:23	WUAL	91.5	Tuscaloosa	AL	RDS Capture 8983		829	EM63
15:23	WALN	89.3	Carrolton	AL	RDS Capture 55D3		855	EM53
15:24	WOKK	97.1	Meridian	MS	ID		920	EM52
15:24	WMPN	91.3	Jackson	MS	RDS Capture 75EB		986	EM42
15:25	WMBU	89.1	Forest	MS	"Missions Today" prgm, per sked		951	EM52
15:25	WJAI	93.9	Pearl	MS	Air One		979	EM52
15:26	WKNN	99.1	Pascagoula	MS	ID - New+G43		1007	EM50
15:29	WMAB	89.9	State College	MS	RDS Capture 7459		989	EM53
15:29	KTDY	99.9	Lafayette	LA	ID		1154	EM40
15:29	WPRG	89.5	Columbia	MS	ID		1020	EM51
15:30	WJLV	94.7	Jackson	MS	RDS Capture 6D9F		996	EM42
15:30	KEDM	90.3	Monroe	LA	ID		1061	EM42
15:31	WJXN	100.9	Utica	MS	ID		992	EM42
15:31	WMSB	88.9	Byhalia	MS	AFR talk - only one in skip zone		873	EM54
15:32	WQNZ	95.1	Natchez	MS	RDS Capture 8053		1080	EM41
15:32	WUSJ	96.3	Madison	MS	RDS Capture 8B55		992	EM42
15:32	WJKK	98.7	Vicksburg	MS	ID - New+G43		1005	EM42
15:32	WJMI	99.7	Jackson	MS	RDS Capture 6DAC		992	EM42

15:32	WHLH	95.5	Jackson	MS	Gospel, ID	992	EM42
15:33	WKOR	94.9	Columbus	MS	RDS Capture A78D	852	EM53
15:33	WCKK	96.7	Walnut Grove	MS	Country, ID - New	929	EM52
15:34	WYOY	101.7	Gluckstadt	MS	ID	986	EM39
15:36	WMAE	89.5	Booneville	MS	MPB Think Radio	829	EM54
15:36	KRLE	89.7	Carbon Hill	AL	RDS Capture 3E06	799	EM64
15:37	WAQL	90.5	McComb	MS	AFR Talk // others	1046	EM41
15:37	WPRL	91.7	Lorman	MS	Alcorn State v TX Southern Women's Softball, ID	1052	EM41
15:38	KSBU	92.7	Delta	LA	Vicksburg ads, ID - New	1031	EM42
15:40	KQID	93.1	Alexandria	LA	RDS Capture 3B13	1112	EM31
15:41	KLSA	90.7	Alexandria	LA	RDS Capture 2EE0	1174	EM31
15:44	WMAH	90.3	Biloxi	MS	Talk program // other MPB's, Oxford not in skip zone - New	1004	EM50
15:47	KYFL	89.5	Monroe	LA	RDS Capture 4FED	1072	EM32
15:50	KJGM	88.3	Bastrop	LA	SONLIFE - Jimmy Swaggert singing	1050	EM42
15:50	WYTF	88.7	Indianola	MS	AFR Talk // others	959	EM43
15:55	WAFR	88.3	Tupelo	MS	AFR Talk // others	835	EM54

June 2 2022 Es

11:38	KXMO	95.3	Owensville	MO	Local ads	874	EM48
11:38	WCIC	91.5	Pekin	IL	RDS Capture 5AC2	752	EN50
11:42	KIWR	89.7	Council Bluffs	IA	ID	1087	EN11
11:42	KTTS	94.7	Springfield	MO	Local ads	978	EM37
11:43	WQKQ	92.1	Dallas City	IL	ID	837	EN40
11:43	KWND	88.3	Springfield	MO	ID	978	EM17
11:45	KGOR	99.9	Omaha	NE	ID	1089	EN11
11:46	KEZO	92.3	Omaha	NE	Concert promo	1089	EN11
11:46	WSEI	92.9	Olney	IL	ID	690	EM58
11:48	KGRC	92.9	Hannibal	MO	ID	1007	EM49
11:48	KTWA	92.7	Ottumwa	IA	ID	909	EN31
11:49	KHIS	89.9	Jackson	MO	ID	811	EM57
11:51	KMXN	92.9	Osage City	KS	ID	1103	EM28
12:00	KOSP	92.9	Ozark	MO	ID	1003	EM37
12:00	KLSC	92.9	Malden	MO	ID	819	EM56
12:00	WIMB	89.1	Murphysboro	IL	Multi-station ID	768	EM57
12:08	KDKD	95.3	Clinton	MO	ID	998	EM38
12:33	KUAF	91.3	Fayetteville	AR	RDS Capture 44D5	1061	EM36
12:34	KWGS	89.5	Tulsa	OK	RDS Capture 4AC6	1224	EM22
12:45	KBEZ	92.9	Tulsa	OK	ID	1156	EM26
12:45	KNYD	90.5	Broken Arrow	OK	RDS Capoture34C7	1160	EM25
12:56	KAYH	89.3	Fayetteville	AR	ID	1055	EM26
13:03	KTBT	92.1	Broken Arrow	OK	RDS Capture 1259	1159	EM16
13:23	KWFC	89.1	Springfield	MO	ID	994	EM37
13:26	KYLF	88.9	Adrian	MO	Bott Network	1024	EM28
13:26	KSIV	91.5	St. Louis	MO	Bott Network	810	EM48
13:41	KHCD	89.5	Salina	KS	ID	1176	EM19

13:59	KCMO	94.9	Shawnee	KS	ID	1029	EM29
14:16	KKIA	92.9	Ida Grove	IA	Iowa AgriBusiness Net	1061	EN24

June 3 2022 Es

18:23	KQOB	96.9	Enid	OK	ID	1249	EM15
18:28	KJTH	89.7	Ponca City	OK	ID	1229	EM16
18:38	KKOW	96.9	Pittsburg	KS	ID	991	EN22
18:52	KYOO	99.1	Halfway	MO	Partial ID - New	978	EM37
18:59	WFFN	95.3	Coaling	AL	RDS Capture 626B	825	EM83
19:00	WTUG	92.9	Northport	AL	ID	837	EM63
19:00	KCRL	90.3	Sunrise Beach	MO	ID	944	EM38
19:00	WMFT	88.9	Tuscaloosa	AL	ID	816	EM63
19:01	WJXM	95.1	Marion	MS	RDS Capture 6ECE	921	EM52
19:01	WBBN	95.9	Taylorville	MS	RDS Capture 5773	986	EM51
19:01	KBDD	91.9	Winfield	LA	ID	1180	EM17
19:03	WJXA	92.9	Nashville	TN	RDS Capture 6EC2	692	EM66
19:05	WNRZ	91.5	Dickson	TN	RDS Capture 78CF	723	EM66
19:06	KINZ	95.3	Humboldt	KS	ID	1095	EM27
19:07	KUAR	89.1	Little Rock	AR	RDS Capture 44E1	1011	EM34
19:08	WJNT	96.9	Jackson	MS	RDS Capture 5EAE	987	EM42
19:11	WNLA	95.3	Drew	MS	RDS Capture 781A	656	EM69
19:12	KHKN	94.9	Maumelle	AR	RDS Capture 138D	1009	EM34
19:14	KIPR	92.3	Pine Bluff	AR	RDS Capture 26B7	1009	EM34
19:14	WTBG	95.3	Brownsville	TN	RDS Capture 86F4	823	EM55
19:14	WJLV	94.7	Jackson	MS	RDS Capture 6D9F	996	EM42
19:16	WDNX	89.1	Olive Hill	TN	RDS Capture 5DFD	777	EM55
19:17	WVHM	90.5	Benton	KY	ID	736	EM56
19:18	KASU	91.9	Jonesboro	AR	RDS Capture 11E8	867	EM45
19:18	KBFC	93.5	Forrest City	AR	RDS Capture 1328	902	EM45
19:18	WGGC	95.1	Bowling Green	KY	RDS Capture - New	651E	630 EM66
19:18	WJMI	99.7	Jackson	MS	Local ads	1004	EM42
19:20	WRBJ	97.7	Brandon	MS	Local ads	984	EM52
19:20	KDPX	101.3	Pine Bluff	AR	PSA - New	999	EM44
19:21	KCXY	95.3	East Camden	AR	ID	1072	EM33
19:21	WSYE	93.3	Houston	MS	RDS Capture 86A4	870	EM53
19:23	KURB	98.5	Little Rock	AR	RDS Capture 468B	1009	EM34
19:24	KWLR	98.5	Bigelow	AR	K-Love - New	1005	EM34
19:25	WCMT	101.3	Martin	TN	Partial ID	782	EM56
19:26	WNKJ	89.3	Hopkinsville	KY	RDS Capture - New	7809	695 EM66
19:28	WRKF	89.3	Baton Rouge	LA	ID	1121	EM40
19:28	WMAE	89.5	Booneville	MS	MPB Think Radio	822	EM54
19:34	KMCV	89.9	High Point	MO	RDS Capture 2FF9	927	EM38
19:34	KDKD	95.3	Clinton	MO	RDS Capture 18F3	998	EM38
19:35	KDGS	93.5	Andover	KS	ID	1189	EM17
19:36	WLXQ	99.1	Greensboro	AL	K-Love	848	EM62
19:38	KJSM	97.7	Augusta	AR	SONLIFE net	945	EM45
19:38	WAPX	91.9	Clarksville	TN	ID	700	EM66
19:38	WMYQ	92.7	Moorhead	MS	ID	949	EM43

19:39	WMAW	88.1	Meridian	MS	RDS Capture 75EB	920	EM52
19:39	WUAL	91.5	Tuscaloosa	AL	RDS Capture 8983	829	EM63
19:39	KMUW	89.1	Wichita	KS	RDS Capture 31CE	1198	EM17
19:39	WOKK	97.1	Meridian	MS	RDS Capture 7AAE	920	EM52
19:40	WJOQ	101.3	Meridian	MS	ID	921	EM52
19:41	WUCH	96.9	Algood	TN	RDS Capture - New	89B3 605	EM76
19:43	WGSQ	94.7	Cookeville	TN	ID	611	EM76
19:50	WYLD	98.5	New Orleans	LA	ID	1090	EL59
19:50	WEZB	97.1	New Orleans	LA	ID	1090	EL49
19:50	KRLE	89.7	Carbon Hill	AL	RDS Capture 3E06	799	EM64
19:51	WOTB	88.7	Pearl River	LA	RDS Capture 7B8F	1054	EM50
19:53	WMBV	91.9	Dixon's Mills	AL	RDS Capture 7487	887	EL88
19:53	WCQC	91.3	Clarksville	MS	RDS Capture 0000	945	EM44
19:57	WSMS	99.9	Artesia	MS	RDS Capture 857A	861	EM53
19:59	WAPR	88.3	Selma	AL	ID	844	EM62
19:59	KYFL	89.5	Monroe	LA	RDS Capture 4FED	1072	EM32
20:00	KAXR	91.3	Arkansas City	KS	ID	1184	EM17
20:00	WJIK	89.3	Fulton	AI	SONLIFE Net	897	EM61
20:00	WBAD	94.3	Leland	MS	RDS Capture 574F	984	EM43
20:00	WMAB	89.9	State College	MS	RDS Capture 7459	989	EM53
20:00	WWOZ	90.7	New Orleans	LA	ID	1091	EL49
20:00	WNLS	91.3	Slidell	LA	ID - New+G43	1054	EM50
20:11	WKSJ	94.9	Mobile	AL	ID	973	EM60
20:11	KAXV	88.9	El Dorado	AR	K-Love	1061	EM32
20:20	WPAS	89.1	Pascagoula	MS	RDS Capture 7C56	993	EM50
20:20	KXKC	99.1	New Iberia	LA	RDS Capture 4DC2	1154	EM40
20:23	WZEW	92.1	Fairhope	AL	ID	980	EM50
20:27	KHMY	93.1	Pratt	KS	ID	1242	EM07
20:28	KQID	93.1	Alexandria	LA	RDS Capture 3B13	1112	EM31
20:46	KAVK	89.3	Many	LA	RDS Capture 122C	1131	EM31
20:48	WMPN	91.3	Jackson	MS	RDS Capture 75EB	986	EM42

June 12 2022 Es

17:16	KDKD	95.3	Clinton	MO	RDS Capture 18F3	998	EM38
18:29	KHCP	89.3	Paris	TX	KHCB ID	1193	EM23
18:52	KICT	95.1	Wichita	KS	RDS Capture 2567	1203	EM17
19:00	KOSU	91.7	Stillwater	OK	ID	1245	EM15
19:00	KETR	88.9	Commerce	TX	ID	1235	EM23
19:17	KJTH	89.7	Ponca City	OK	ID	1229	EM16
19:31	KMUW	89.1	Wichita	KS	RDS Capture 31CE	1198	EM17
20:29	KEZO	92.3	Omaha	NE	Local ads	1089	EN11
20:30	KIWR	89.7	Council Bluffs	IA	ID	1097	EN11
20:31	KRLS	92.1	Knoxville	IA	ID	938	EM31
20:32	KKOT	93.5	Columbus	NE	ID	1159	EM11
20:33	KRKR	95.1	Waverly	NE	ID	1123	EN10
20:59	KTXK	91.5	Texarkana	TX	Sponsor anncts.	1146	EM23
20:59	KBMP	90.5	Enterprise	KS	Bott Network	1176	EM19
20:59	KHCD	89.5	Salina	KS	RDS Capture 22B3	1176	EM19



21:05	KANU	91.5	Lawrence	KS	RDS Capture 1166	1056	EM28
21:06	KVNE	89.5	Tyler	TX	ID	1224	EM22
21:14	KCVW	94.3	Kingman	KS	Bott Network	1202	EM17
21:27	KJMK	93.9	Webb City	MO	RDS Capture 2906	1070	EM27
21:29	KBDD	91.9	Winfield	KS	SONLIFE	1180	EM17
22:00	KNYD	90.5	Broken Arrow	OK	Oasis Net	1160	EM25
22:00	KCBK	91.5	Frederick	OK	ID	1351	EM04

June 13 2022 Es

17:53	WYFE	88.9	Tarpon Springs	FL	RDS Capture 948E	915	EM62
17:54	WHGN	91.9	Crystal River	FL	RDS Capture 67CD	882	EL98
18:07	WMLV	89.7	Miami	FL	RDS Capture 758B	1052	EL99
18:12	WSMR	89.1	Sarasota	FL	RDS Capture 8579	988	EL87
18:18	WMYZ	88.7	The Villages	FL	ID	864	EL98
18:19	WBVM	90.5	Tampa	FL	RDS Capture 597A	939	EL87
18:19	WPBB	98.7	Holmes Beach	FL	ID - New	946	EL87
18:20	WFLZ	93.3	Tampa	FL	RDS Capture - New	1313 940	EL87
18:20	WCTQ	92.1	Venice	FL	RDS Capture 1BEE	987	EL87
18:20	WWRM	94.9	Tampa	FL	ID	940	EL87
18:21	WXCV	95.3	Homosassa Springs	FL	ID	885	EL88
18:29	WXJB	99.9	Homosassa	FL	Program promos - New	892	EL88
18:29	WTRJ	91.7	Orange Park	FL	ID	768	EM90
18:30	WXTB	97.9	Clearwater	FL	ID	930	EL88
18:30	WYFB	90.5	Gainseville	FL	BBN	810	EL89
18:30	WJIS	88.1	Bradenton	FL	RDS Capture 6D4E	987	EL87
18:30	WJCT	89.9	Jacksonville	FL	ID	768	EM90
18:30	WNSS	89.3	Palm Coast	FL	KHCB ID	805	EL99
18:30	WSKY	97.3	Micanopy	FL	ID - New	834	EL89
18:30	WJLH	90.3	Flagler Beach	FL	RDS Capture 6D9E	815	EL99
18:31	WSUN	97.1	Holiday	FL	ID	930	EL95
18:31	WJGL	96.9	Jacksonville	FL	RDS Capture 6D13	768	EM90
18:31	WXOF	96.7	Yankeetown	FL	ID - New	876	EL89
18:31	WSOL	101.5	Yulee	FL	RDS Capture 15A7	739	EM90
18:32	WMTX	100.7	Tampa	FL	Local ads	940	EL87
18:33	WPOZ	88.3	Orlando	FL	ID	868	EL98
18:33	WLXP	88.1	Savannah	GA	ID	644	EM92
18:33	WSGA	92.3	Hinesville	GA	ID	676	EM91
18:36	WECC	89.3	Folkston	GA	RDS Capture 5F6E	799	EN41
18:38	WXUS	102.3	Dunellon	FL	ID	837	EL89
18:38	WEJZ	96.1	Jacksonville	FL	ID - New	767	EM90
18:38	WXJZ	100.9	Gainesville	FL	ID	828	EL89
18:38	WKTK	98.5	Crystal River	FL	ID	858	EL89
18:39	WAPE	95.1	Jacksonville	FL	ID	767	EM90
18:42	WFSW	89.1	Panama City	FL	Sponsor anncts	902	EL88
18:42	WGSG	89.5	Mayo	FL	SONLIFE Net	825	EM70
18:50	WCIE	91.5	New Port Richey	FL	Sponsor anncts.	922	EL89
18:52	WGNE	99.9	Middleburg	FL	ID	767	EM90
19:53	KAVK	89.3	Many	LA	RDS Capture 122C	1131	EM31

19:53	KVLU	91.3	Beaumont	TX	RDS Capture 48A6	1263	EM30
19:57	WMPN	91.3	Jackson	MS	RDS Capture 75EB	986	EM42
20:01	KQID	93.1	Alexandria	LA	ID	1112	EM31
20:01	WAYJ	89.5	Naples	FL	ID	1037	EL96
20:03	WPRG	89.5	Columbia	MS	ID	1020	EM51
20:06	WWNO	89.9	New Orleans	LA	ID	1090	EL59
20:47	WZTU	94.9	Miami Beach	FL	RDS Capture 18AE	1031	EL95

June 18 2022 Es

19:51	WACO	99.9	Waco	TX	RDS Capture 54EA	1372	EM11
19:59	KNUE	101.5	Tyler	TX	RDS Capture - New	3460	1221 EM22
19:59	KNTE	101.7	Bay City	TX	ID	1417	EL18
20:00	KOYE	96.7	Frankston	TX	ID - New	1252	EM22
20:04	KKTX	96.1	Kilgore	TX	ID - New	1216	EM22
20:08	KMVL	100.5	Madisonville	TX	Promo	1313	EM21
20:10	KAFX	95.5	Diboll	TX	ID	1244	EM21
20:18	KXKC	99.1	New Iberia	LA	ID	1154	EM40
20:20	KTJM	98.5	Port Arthur	TX	ID - New	1290	EM20
20:21	KQKI	95.3	Bayou Vista	LA	ID	1158	EL49
20:26	KCKL	95.9	Malakoff	TX	Local ads - New	1276	EM22
20:26	KODA	99.1	Houston	TX	RDS Capture - New	1546	1354 EL29
20:22	KAYD	101.7	Silsbee	TX	RDS Capture 1273	1260	EM30
20:20	WUSJ	96.3	Madison	MS	ID	1005	EM42
20:22	KRRQ	95.5	Lafayette	LA	Promo	1166	EM30
20:20	KZMZ	96.9	Alexandria	LA	ID	1151	EM31
20:24	WQRR	101.7	Reform	AI	ID	843	EM63
20:24	KBXX	97.9	Houston	TX	ID	1354	EL29
20:29	WFFN	95.3	Coaling	AL	ID	837	EM63
20:29	WBBN	95.9	Taylorville	MS	ID	986	EM51
20:33	KKST	96.7	Oakdale	LA	ID	1151	EM31
20:33	KTDY	99.9	Alexandria	LA	RDS Capture 4292	1154	EM40
20:53	WYLD	98.5	New Orleans	LA	ID	1090	EL49
19:49	KNCT	91.3	Killeen	TX	ID	1401	EM10
19:59	KWAA	88.9	Mart	TX	RDS Capture 4A18	1368	EM11
19:59	KVNE	89.5	Tyler	TX	RDS Capture 48CA	1224	EM22
19:59	KRWR	92.1	Tyler	TX	RDS Capture 3F31	1232	EM22
19:58	KTAA	90.7	Big Sandy	TX	Bott Network	1205	EM22
19:59	KAVK	89.3	Many	LA	ID	1174	EM31
20:01	KTYL	93.1	Tyler	TX	ID	1221	EM22
20:01	KDPM	92.3	Marshall	TX	ID - New	1183	EM22
20:22	WZTU	94.9	Miami Beach	FL	RDS Capture 18AE	1019	EL95
20:26	KJAE	93.5	Leesville	LA	ID	1184	EM31
20:33	KYKR	95.1	Beaumont	TX	ID	1262	EM30
20:46	WJLH	90.3	Flagler Beach	FL	RDS Capture 6D9E	815	EL99
20:48	WOTB	88.7	Pearl River	LA	ID	1054	EM50
21:40	WSMR	89.1	Sarasota	FL	RDS Capture 8579	987	EL87
21:44	WCTQ	92.1	Venice	FL	RDS Capture 1BEE	987	EL87
22:40	WPAS	89.1	Pascagoula	MS	RDS Capture 7C56	993	EM50

22:43	WUWF	88.1	Pensacola	FL	RDS Capture 8BB9	941	EM60
21:59	KPAQ	88.1	Plaquemine	LA	RDS Capture 0000	1131	EM40
21:29	WZEW	92.1	Fairhope	AL	RDS Capture 972A	980	EM50
20:23	KQID	93.1	Alexandria	LA	RDS Capture 3B13	1112	EM31
20:37	WYNK	101.5	Baton Rouge	LA	ID	1126	EM40
20:39	WYOY	101.7	Gluckstadt	MS	ID	984	EM42
21:35	WRKF	89.3	Baton Rouge	LA	RDS Capture 8295	1121	EM40
20:29	WMPN	91.3	Jackson	MS	RDS Capture 75EB	1005	EM42
20:29	WMAU	88.9	Bude	MS	RDS Capture 75EB	1056	EM41
20:38	WPBB	98.7	Holmes Beach	FL	Tampa Bay PSA - New	946	EL87
20:30	KVLU	91.3	Beaumont	TX	RDS Capture 48A6	1263	EM20

6/19/2022 Es

9:49	KPAQ	88.1	Plaquemines	LA	RDS Capture 0000	1131	EM40
10:12	WFSQ	91.5	Tallahassee	FL	RDS Capture 63C0	856	EM70
10:13	KCKR	91.9	Church Point	LA	SONLIFE Net	1162	EM30
10:13	WPAE	89.7	Centerville	MS	RDS Capture 7C48	1082	EM89
10:14	WMBU	89.1	Forest	MS	Moody Net	951	EM52
10:14	KLIL	92.1	Moreauville	LA	Local ad	1127	EM41
10:16	KRRQ	95.5	Lafayette	LA	ID	1166	EM30
10:16	WYOY	101.7	Gluckstadt	MS	ID	986	EM42
10:19	KZMZ	96.9	Alexandria	LA	PSA	1151	EM31
10:20	WMAU	88.9	Bude	MS	RDS Capture 75EB	1056	EM41
10:20	WJMI	99.7	Jackson	MS	Station promo	992	EM42
10:20	WUSJ	96.3	Madison	MS	Local ads	992	EM42
10:21	WMAW	88.1	Meridian	MS	RDS Capture 75EB	920	EM52
10:21	WMAB	89.9	State College	MS	// 91.3, 88.1	989	EM53
10:21	WJKK	98.7	Vicksburg	MS	ID	1005	EM42
10:24	KRLE	89.7	Carbon Hill	AL	RDS Capture 3E06	799	EM64
10:24	WJLV	94.7	Jackson	MS	RDS Capture 6D9F	996	EM42
10:25	WMPN	91.3	Jackson	MS	RDS Capture 75EB	986	EM42

Jerry Bond

Irondequoit, NY  
DXing mobile in 2014 Chevy Traverse  
All times EDT

June 2 2022 Es

1338 WKNO 91.1 Memphis TN mention of "WKNO-FM Stations."

June 3 2022 Es

1758 KWHW 93.5 Altus OK c/w, mention of OK Assn. of Electric Cooperatives.

1800	KWGS	89.5	Tulsa	OK	ID as KWGS-Public Radio 89.5 Tulsa.
1803	WLRW	94.5	Champaign	IL	presumed, Mix 94-5.
1806	UNID	94.5			mentioned Dodge City BB team will be going on the road.
1808	KSWN	93.9	McCook	NE	local spots. The Zone 93-9.
1809	KNTK	93.7	Firth	NE	local spots. RDS- Ticket.
1811	KTGL	92.9	Lincoln	NE	classic rock 92-9 The Eagle.
1812	KUCV	91.1	Lincoln	NE	RDS- KUCV in HD.
1813	UNID	90.3			RDS-Bottradiationetwork.com.
1816	KRPS	89.9	Pittsburg	KS	RDS- KRPS-FM.
1818	KJLU	88.9	Jefferson City	MO	RDS-Smooth Jazz 88.9-KJLU.
1821	KKMK	93.9	Rapid City	SD	local spots. 93.9 Mix.
1828	KVNE	89.5	Tyler	TX	local spots.
1833	KRCS	93.1	Sturgis	SD	local spots. RDS-Hot 93.1.
1837	KRVF	106.9	Corsicana	TX	local spots. The Ranch slogan.
1840	KISX	107.3	Whitehouse	TX	Kiss FM. Local contest.
1843	KBYB	101.7	Hope	AR	Spots and WX. Hot FM slogan.
1845	KDDX	101.1	Spearfish	SD	RDS- X-Rock and www.xrock.fm101.1and103.5
1853	KKUS	104.1	Tyler	TX	presumed. "Texas Country Now"
1859	KITX	95.5	Paris	TX	Continuous Country-Country 95.5.
1900	KCBI	90.9	Dallas	TX	religious. RDS-KCBI on 90.9.
1903	WFSU	88.9	Tallahassee	FL	NPR News. RDS-WFSU Public Media.
1914	KZZI	95.9	Rapid City	SD	local spots.
1918	WWRZ	98.3	Ft. Meade	FL	RDS- Max.
1919	WFSY	98.5	Panama City	FL	Panama City's Variety Station.
1926	UNID	105.3			RDS-105.3 The Beat Baddest Yung Bleu.
1928	WRBX	104.1	Reidsville	GA	"This is WRBX in Reidsville GA - your beacon of hope."
1934	KYFL	89.5	Monroe	LA	RDS-KYFL BBN Radio.org.
1936	KOSU	91.7	Oklahoma City	OK	RDS- KOSU NPR.
1937	WKRO	93.1	Edgewater	FL	c/w. RDS-93.1 Coast Country.
1938	UNID	93.7		BB	game between the Bears and the Cowboys.
1942	WMTM	93.9	Moultrie	GA	classic rock. RDS WMTM 94.
1945	UNID	94.3			Mark Levin Show.
1946	WLDI	95.5	Juno Beach	FL	RDS-WILD-FM. HD 2 also in 1290 WJNO.
1947	KUUZ	95.9	Lake Village	AR	presumed. Son Life Radio.
1951	WEBZ	99.3	Mexico Beach	FL	local spots, traffic. 99-3 The Beat.
1953	WGCO	98.3	Midway	GA	Savannah's Hot 98-3.
1954	WQYK	99.5	Tampa	FL	"Another hour of Tampa Bay's New Country."
1957	WSOL	101.5	Yulee	FL	V 101.5.
2000	UNID	90.7			K-Love. Local ID sounded like KLMJ.
2009	WSKY	97.3	Micanopy	FL	presumed. Mark Levin Show.
2018	KLRC	90.9	Tahlequah	OK	ID, contest. The Positive Difference.
2022	UNID	93.7			93-7 My FM with woman reading events calendar.

2025	KSPI	93.7	Stillwater	OK	Hot 93.7-KSPI.
2026	KJMK	93.9	Webb City	MO	RDS – Proud Mary, KJMK.
2028	KJIL	90.7	Copeland	KS	ID.
2032	KHMY	93.1	Pratt	KS	My 93-1.
2034	KWEY	95.5	Weatherford	OK	c/w. The Coyote slogan.
2036	KSCN	96.9	Pittsburg	TX	Presumed. c/w. Star Country 96.9.
2047	KKDT	93.5	Burdett	KS	c/w. slogan- This is My Country.

### June 4 2022 Es

1328	CKMW	88.9	Winkler	MB	RDS-We Love Our Country. Country 88. Golden West Broadcasting.
1337	CJEL	93.5	Winkler	MB	The Eagle 93-5. RDS-The Best Songs, The Best Variety. Winkler and Pembina Valley mentions.



Renewals received since last issue: Eric Sundius (2 yrs) , David Austin, Les Rayburn (2 yrs). Owen Wood, Alfred Laun, Jerry Bond, Sheryn Paskiewicz, Stan Weisbeck, Mike Glass, David Pierce, Mike Lazaro, John Adams, Wally Bloss, Jon Klingerman, Nick Langan, Dave Bright, Gary Siegel and Heidi Roach. Our newest WTFDAer is Karl Forth from the great state of Illinois. Welcome to Karl and thanks to the rest of you for supporting the WTFDA!

From Madras, Oregon, John Jefferson writes: KWSO lost its digital nimbus during a recent thunderstorm. Judging from past history, it could be months before it returns. KGBZ-LP 102.5 Madras remains off. KSJJ 102.9 and KLRR 101.7 both Redmond remain at low power. All I need now is some skip to fill 91.7, 92.1, 102.5, 102.7, and 103.1 (and with luck boom in on 101.7 and 102.9 as well). An opening on 6/5 into Phoenix briefly hit 102.5 but couldn't get any ID. Hope things look up before anybody fixes anything here!

We've had complaints about the WTFDA forums recently. Once in a while they work normally, but most of the time any of the follow occur: 1.you can't log in, 2.you can't create a post, 3. you can't upload an attachment, 4.you can't move from one forum to another, 5. you get error messages, 6. you can't log out or 7. the whole thing just freezes up. I think I've covered everything. If we knew what was causing all of this, we would have had it fixed by now, but we don't. One theory is the actual software. The software ran fine on Host A, but sometime back was moved over to Host B, where it again worked fine. And then when we dropped Host B and went to a single host, which was Host A again, then the problems began. Did you follow me on that? So, the thinking is that the software somehow got corrupted. If that is so, then the fix is to reinstall the whole thing from scratch. But when we do that, all attachments (pictures, audio files) will be lost. So nobody is happy about doing a clean install, but that might have to be done. If that happens, it would be after skip season.

And that's everything we have today, Friday July 1<sup>st</sup>, 2022. CU next month. -Mike



### Southern FM DX

John Zondlo – 4009 Driftwood Circle –  
Yukon, OK 73099  
southernfmdx@wtfda.org – Deadline: 25<sup>th</sup>  
July 2022



Right off the bat, I'd like to apologize for not having a SFM column in the June VUD. I did one, then forgot to send it along to Mike. Uh oh. What didn't make it in then is included in this month's column. So sorry....jz

**Fred Nordquist** – Moncks Corner, SC – FM03AF – EDT - All New  
Receivers: AirSpy with SDR Console (v3.0.20), Antenna: APS-13

5/6 Es 1721-1915 EDT Dom Rep/OK/MS/KS/MO/TX/LA/AR/AL MUF:105.7

- 1833 KLFS 90.3 AR Van Buren, PI: 2DA9, PS: K-LOVE, rel 845
- 1834 WZEW 92.1 AL Fairhope, PI: 972A, adult hits 513
- 1841 WKNN 99.1 MS Pascagoula, PI: A76F, country 547
- 1841 WOSM 103.1 MS Ocean Springs, PI: 7B80, talk, local ad for firearms 540
- 1842 W266AL101.1 FL Pensacola, local ad 468
- 1842 KDLC 97.7 LA Dulac, rock 695
- 1852 KSNS 91.5 KS Medicine Lodge, PI: A4EC, PS: KS, over local WKCL 1089
- 1855 KLKC 93.5 KS Parsons, ID 906
- 1900 KYFW 88.3 KS Wichita, ID, rel 1023
- 1901 KKOZ 92.1 MO Ava, ID 761
- 1902 KWND 88.3 MO Springfield, PI: 4B6D, adult hits 786

5/7 Es 1042-1217 EDT DOM/MX MUF: 107.9

- 1136 XHUL 96.9 YU Merida, PI: 0013, PS: TODOS LA EXITOS LOS 40, SS 1032
- 1146 XHYW 98.9 YU Merida, PS: XHYW, SS 1032

Many SS unIDs in the Yucatan area 5/7 needing ID help are posted in the WTFDA Forums. FM Log Total to date = 4,384.

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**John Zondlo** – 4009 Driftwood Circle – Yukon, OK 73099 – CDT – all new

Sony XDR-F1HD, SDRPlay RSP-1 & RSPdx, SDRUno & SDR Console, APS-9B antenna @ 16'

5/7 Tr

- 1218 KBVP 104.3 TX Olney, country, "104.3 FM," new to air, becoming a bit of a pest 158

5/11 Tr

- 2316 KYFP 89.1 TX Palestine, BBN 286
- 2330 KTYR 89.7 TX Trinity, Radio Alleluia, SS 343

5/12 Tr

- 0100 KBJs 90.3 TX Jacksonville, ID, CCM 283
- 0102 KLFH 90.7 AR Fort Smith, ID, K-Love, CCM 187
- 0928 KTAA 90.7 TX Big Sandy, RDS, *Family Life Today*, Bott Network ID 252

5/18 Es

- 2038 WZDH 98.7 MI Detroit, "Alt 98.7," //webstream 918
- 2122 KESY 91.9 OR Baker City, relay of KTSY 89.5 Caldwell ID 1233

5/24 Es

1905 WFBC 93.7 SC Greenville, CHR, HD, classic hits 867  
1909 WSRV 97.1 GA Gainesville, HD, classic hits 792  
2000 WELL 88.7 AL Waverly, ID, rel 721

6/3 Es

0959 WASW 91.9 GA Waycross, ID, AFR 932  
1004 WBGP 91.3 GA Moultrie, relay of WZFR Eastpoint FL 859  
1011 WVAS 90.7 AL Montgomery, jazz, RDS, PI: 8C2E 691  
1015 WSTF 91.5 AL Andalusia, WLBF relay, RDS, PI: 8623 711  
1018 WVGA 105.9 GA Lakeland, news/talk, RDS, PI: 8CB8 901  
1049 WYND 95.5 FL Silver Springs, "Wind FM," local spots, RDS, PI: 6B1D 1012  
1111 WGTF 89.5 AL Dothan, RDS, PI: 6673 771

6/7 Es

1159 XHID 89.7 VC Alamo, RDS, PI: 0044 1008  
1215 XHVI 99.1 QR San Juan del Rio, "Exa FM," RDS, PI: F300, CHR, SS/EE 1053  
1250 XHAK 89.7 GT Acambero, "La Mejor," RDS, PI: 2286 1084  
1259 XHOE 95.5 QR Santiago, ID, SS 1044

6/11 Es

1142 KMNA 98.7 WA Mabton, SS, RDS 1371

6/12 Es

1703 WZGO 91.1 NC Aurora, RDS, southern Gospel, in car 1178  
1708 WMGU 106.9 NC Southern Pines, RDS, in car 1033  
1804 WSB 95.5 GA Doraville, traffic & weather // WSB 750 773  
1825 WRFE 89.3 SC Chesterfield, RDS 998  
1935 KBXE 90.5 MN Bagley, RDS, big band music 839  
2123 WBHB 101.5 PA Waynesboro, rock, "Bob Rocks," RDS 1139

6/13

1240 KISU 91.1 ID Pocatello, Native American program 935  
1313 KIYE 88.7 ID Kamiah, urban, RDS 1204

6/18 Es

1928 WQOK 97.5 NC Carrboro, local spots, promo by local DJ, PI: A85E 1046  
1934 WFMI 100.9 NC Southern Shores, urban Gospel, promo for \$1 spot flight trial, "Rejoice 100.9,"  
PI: 631C 1232  
2102 WRUW 91.1 OH Cleveland, call letters 2x 960

6/21 Es

1224 KKUT 93.7 UT Mount Pleasant, rock, "The Wolf," several Utah mentions 800  
1252 KBGZ 103.9 NV Spring Creek, country, "Big Country 103.9" 1037  
1258 KTMT 93.7 OR Medford, ID, CCM, //webstream, "Joy 93.7" 1424

6/27 Es

1258 WPIO 89.3 FL Titusville, CCM, PI: 7D22 1099  
1344 XHRW 90.5 VC Xalapa, classical, RDS PS: Radio UV 1105  
1403 XHTP 91.3 VC Cordoba, "Exa FM," many mentions of Cordoba 1140  
1414 XHMM 100.1 DF Mexico City, "Radio Cien," SS 1114  
1430 XHCJZ 105.1 CH Ciudad Jimenez, "Ke Buena" 1034  
1510 XHDFM 106.5 DF Mexico City, "Mix FM" 1114  
1538 XHGD 88.7 JA Guadalajara, "Arroba FM," CHR, PS: Arroba @ FM 1080  
1545 XHERZ 93.1 GN Leon, PS: Los 40 1022

6/28 Es

1011 WJOH 91.5 MI Racine, "Smile FM," PI: 6DDF, PS: title/artist 1015  
1020 CHMT 93.1 ON Timmins, several mentions of Timmins 1225  
1034 WITL 100.7 MI Lansing, calls, country 864  
1047 WLKB 89.1 MI Bay City, K-Love, CCM, PI: 72B9  
1116 KQZZ 96.7 ND Crary, PI: 3CES, talk about local theatre production 869  
1118 KYCK 97.1 MN Crookston, country, PI: 4F9E, PS: title/artist 851

1121 CJPB 97.1 MB Neepawa, "CJ-97," PI: C971 1020  
 1148 KDVL 102.5 ND Devil's Lake, country, PI: 1A19 869  
 1200 KPRJ 91.5 ND Jamestown, ID, classical 789  
 1226 KYLI 96.7 NV Bunkersville, SS, PI: D10F 917  
 1234 KAER 89.3 NV Mesquite, Air 1, PI: A179, PS: title/artist 913  
 1259 KCAD 99.1 ND Dickenson, calls, country 828

Sluggish start to the season, but it sure did pick up in late June. Current total logged = 3176.

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Eric Bueneman - 631 Coachway Lane - Hazelwood, MO 63042-1347 – CST/CDT & miles/km  
 Equipment: Kenwood AR-304 AM/FM/FM Stereo receiver, Channel Master CM3020 VHF/UHF/FM  
 Yagi antenna at 28 feet/8.5 meters AGL, Uniden Bearcat BCD96P2 analog/digital scanner, Diamond  
 A144S5 five-element Yagi (vertically polarized) at 32 feet/9.7 meters AGL, Radio Shack discone at 27  
 feet/8.2 meters AGL

12/3/21 Tr/Gw

0245 WYDS 93.1 IL Decatur, "93-1 The Party," CHR, KBDZ nulled 110/177  
 0253 K268CT 101.5 MO St. Peters, "Hot 104-1," promo, urban contemporary, w/WBNQ 15/24  
 0257 WBNQ 101.5 IL Bloomington, "101.5 WBNQ," CHR 140/225  
 0305 K227DS 93.3 MO St. Louis, "Hallelujah 1600," urban Gospel 15/24

4/21 Tr

1218 KMXV 93.3 MO Kansas City, "Mix 93.3," ads, wx, CHR, over KLUQ/K227DS 225/362  
 1224 KBEQ 104.3 MO Kansas City, "Q-104," ads, country music 225/362  
 1929 WWG72 162.5 IN Georgia, weather conditions for Bloomington IN and the Midwest 205/338  
 1934 WWF76 162.475 MO Summersville, severe t-storm warning, forecast for south central MO 130/209  
 1936 KXI52 162.4 IL McLeansboro, weather forecast, weather conditions for southeastern IL 100/161  
 1940 KXI66 162.425 MO Piedmont, weather conditions for MO/AR/TN 100/161  
 1946 WWVR 98.6 IL Paris, "98-5 The River," local ads, mixing with KTJJ 145/233  
 2200 KZZ38 162.5 MO Trenton, weather conditions for Chillicothe and other MO/IA cities, legal ID 195/314  
 2206 WXN91 162.425 IA Rathbun Lake, legal ID, wx forecast for south central IA 195/314

4/22 Tr

0050 WWG83 162.425 IN Edwardsport, weather forecast, IN weather conditions, legal ID 170/274  
 0137 WXK72 162.4 IN Putnamville, weather conditions for IL/IN/MO/OH, EDT time check, legal ID 190/306  
 0140 WCLS 97.7 IN Spencer, "97-7 WCLS the Sound," classic hit, KQBS nulled 200/322  
 0205 WXJ71 162.475 IL Peoria, weather forecast, weather conditions for various IL cities 140/225

5/12 Tr

0412 WXN92 162.525 AR Harrison, AR weather conditions, legal ID, weather forecast 230/370  
 0418 KXI142 162.45 IL Chester, legal ID, wx forecast for southwest IL/southeast MO, KXI70 nulled 65/105  
 0614 KGRS 107.3 IA Burlington, "Mix 107.3," local ads, K297BI nulled 140/225  
 0638 KZLE 93.1 AR Batesville, "93 KZLE," local ads, AOR 210/338  
 0642 KCKC 102.1 MO Kansas City, "KC 102-1," hot AC 225/362  
 0659 WIPA 89.3 IL Pittsfield, "NPR Illinois" promo, legal ID, KTBKJ nulled 45/72

5/15 Tr

0226 WZIM 99.5 IL Lexington, "Magic 99.5," ads, hot AC 145/233  
 0247 WEAI 107.1 IL Lynnville, "107-1 The Eagle," classic hits, ad, over K296HA/W296DR 70/113  
 0258 WDKR 107.3 IL Maroa, classic hits, legal ID, K297BI nulled 115/184  
 0405 WMAY 92.7 IL Taylorville, "92-7 WMAY, Springfield's news and talk," ads, W224DC nulled 70/113  
 0443 WRPW 92.9 IL Colfax, "Cities 92-9," ads, over WSEI, KWRH-LP nulled 150/240  
 1532 WXJ61 162.425 MO Avilla, severe t-storm watch, CDT time check, wx forecast for Joplin 230/370

One new relay for one of the Saint Louis AM stations signed on before the end of 2021. K227DS 93.3 relays Urban Gospel-formatted KATZ 1600. I can null this out at my QTH and still get KLUQ and



WTRH. K268CT, which relays WHHL 104.1 (while licensed to Hazelwood, the transmitter is in Saint Louis' Central West End), has a weaker signal than K275CI 102.9 in nearby Saint Charles. KPLA, WBNQ and WCIL, depending on conditions, overwhelms the relay of WHHL. I was pleasantly surprised to hear WCLS 97.7 in the wee hours of April 22; this is a city of license change. I heard the station in April 1996 when it was assigned to Brazil, IN as WSDM. The continued silence of WNG728 on 162.425 allowed me to add WXN91 and WXJ61 to my logbook. As of June 1, 2022, the FM logbook stands at 1,359, while the NOAA Weather Radio logbook now stands at 138. 73 and good DX from the Florissant Valley Dial Twister.

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More club news from Gay Siegel with thoughts about the TV & FM Statistics area of the club website. Gary writes: I'm renewing for 2 years. I still have issues in getting to the WTFDA website as I go through my local library as I'm still trying to resolve internet and email uses at home. I can access limitedly by wi-fi and/or laptop. I hope to get my FM/Tv totals updated soon.

I would propose WTFDA keep all records in analog permanently from all current, past or deceased former members as TV figures won't change unless updated

I guess I'm suggesting that WTFDA follow the NRC (the NRC? Lol...just joking) model when it comes to maintaining TV and FM statistics, They keep all on file forever – if that is already happening, that's great. Seems an additional TV statistic could reflect grand totals based on sub-channel receptions. They are imbedded services that can be received on any TV off air. Think area codes, i.e. 419 with 567 overlaid.

And lastly, we all know there a zillion websites and social media sites for TV/FM Dxers to interact with other Dxers who share the same interests. Where do you go to interact with other Dxers? Pick some or add something that's missing and email me ([mikeb@wtfda.org](mailto:mikeb@wtfda.org)) with your answers and comments. There are no wrong answers.

1. MeWe - WTFDA
2. FacebookTV and FM DXing
3. Facebook FM DX Watchdogs
4. Some other Facebook group
5. WTFDA Forums
6. Reddit DXing
7. Slack
8. Discord
9. Email
10. wLogger
11. IRC
12. RadioDiscussions
- 13 Text messaging with friends
14. I don't do social media
15. Something we've never even thought about.

# SIGN UP & Renewal Form

## YEARLY DUES \$10.00 USD For Monthly VUD E-ZINE

Print this form and send it with your dues.

Name \_\_\_\_\_

Address \_\_\_\_\_ Apt # \_\_\_\_\_

City \_\_\_\_\_ State/Prov \_\_\_\_\_ Zip \_\_\_\_\_

Country \_\_\_\_\_ Interests: DTV ( ) FM ( ) 30-50( ) Weather( )

Email Address \_\_\_\_\_

I enclose \$ \_\_\_\_\_ for \_\_\_\_\_ years membership.

**Mail your dues to: WTFDA, P.O. Box 501, Somersville, CT USA 06072**

**Make your checks or money orders payable to WTFDA**

**Note: Memberships cannot be processed without a valid email address.**

**Thanks for your support of the WTFDA!**

## Downloading The V.U.D.

Go to <https://www.wtfda.org>

Click on the menu item Login (Priv.)

Enter the word edison for your username.  
Enter the word veronica for your password.  
Make sure both are completely in lower case.

When the "index of /Members" box appears, right click on the VUD filename and download it and save it to your computer.

\*Your password will not change unless we tell you and we will give you all advance notice if we need to change it.



The screenshot shows the WTFDA website interface. On the left is a navigation menu with the following items: MENU, HOME, FM Database, WTFDA Forums, Tech Library, Statistics, Links, Mewe-Group (priv.), Prop\_Logger (priv.), and Login (Priv.). An arrow points to the 'Login (Priv.)' item, with the text 'CLICK HERE!' below it. Underneath the arrow, the login credentials are displayed: 'Username: edison' and 'Pwd: veronica'. On the right side of the page, there is a banner for 'The Worldwide TV-FM DX Association' with the URL 'https://www.wtfda.org'. Below the banner is a section titled 'What is the WTFDA?' which includes a small image of a sign for the association and a paragraph of text explaining that DXing is a hobby and that the WTFDA is a group of around 200 people who help guide newcomers.