



VHF-UHF

The Magazine for TV and FM DXers

DIGEST

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WILL THIS SKIP SEASON BE A BLOCKBUSTER?



OR WILL IT JUST BE A BUSTER?

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TV ANTENNA SALES SOAR

THE VHF-UHF DIGEST

THE WORLDWIDE TV-FM DX ASSOCIATION

Serving the UHF-VHF Enthusiast

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



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We May Be Entering a Deep Solar Minimum as the Sun Goes Unusually Quiet

By [Hannah Osborne](#) On 5/18/20 at 11:17 AM EDT

The sun has entered an unusually quiet period, with the number of sunspots appearing on the surface unusually low. This level of activity is so low, some scientists have suggested we may be entering a "deep" solar minimum, and potentially even a Grand Minimum—the last of which took place in the 17th century and coincided with a mini ice age.

The sun has an 11-year cycle where activity waxes and wanes. This is caused by the strengthening and weakening of its magnetic field. The point when activity is highest is known as the solar maximum, which is characterized by more sunspots appearing on the surface. The solar minimum is where activity falls, and far fewer sunspots appear. The last solar maximum peaked in 2014.

In April last year, scientists at the National Oceanic and Atmospheric Administration predicted the forthcoming solar minimum would be similar to the last cycle. In a statement, Lisa Upton, Ph.D., solar physicist with Space Systems Research Corp, said the next solar cycle would be much like the last, with a weak maximum and a "long, deep minimum." However, she also said there was "no indication" we are approaching a solar minimum in line with the last Grand Minimum—known as the Maunder Minimum.

So far this year, there have been 104 days where no sunspots have appeared on the sun's surface, according to SpaceWeather.com. Across the whole of 2019, there were 281 sunspot-free days. As the website notes, the lack of activity on the sun suggests the solar minimum is taking place. "So far this year, the sun has been blank 76 percent of the time, a rate surpassed only once before in the Space Age," it said. "Last year, 2019, the sun was blank 77 percent of the time. Two consecutive years of record-setting spotlessness adds up to a very deep Solar Minimum, indeed."

Mathew Owens, Professor of Space Physics at the University of Reading, U.K., told *Newsweek* that entering a solar minimum is not unusual, but the level of activity currently taking place is out of the ordinary. "The Sun has been 'spotless' for a large fraction of the last year, which is indeed quieter than is typical," he said in an email. "It's still a little early to say where it fits relative to other minima we've seen. If it does continue in this fashion, it may well rank up there with the longer minima on record. But at present it is not unprecedented; in fact, the very previous solar minimum [2009-2010] was longer."

The Maunder Minimum was the period between 1650 to 1715 when solar activity was extremely low. It is sometimes associated with a period of global cooling, where the global temperature was around one degree Celsius cooler than it was at the start of the Industrial Revolution.

Solar minimums in the sun's normal cycle have little to no effect on Earth's temperature, with energy output from the Sun only dropping by around 0.1 percent.

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TV antenna sales surge in wake of economic fallout

May 11, 2020 Jim Kimble

Richard Schneider, president and founder of Antennas Direct. The company announced in January that it purchased antenna-maker, Mohu.

While online sales boom, closed retailers hits antenna maker profits

The largest TV antenna-maker in the U.S. is seeing a massive surge in online sales as the economy struggles.

“A lot more people are calling our phone lines saying, ‘I can choose between cable or groceries,’” Richard Schneider, president and founder of Antennas Direct said in an interview with The Cord Cutting Report.

But the surprise uptick in sales hasn’t been a windfall for the St. Louis-based company.

“It’s a mixed bag. A lot of stores we do business with have closed, so the replenishment orders at big retailers have basically been shut off,” Schneider explained. “The online orders have been up about 200 percent.”

While the dramatic increase in online interest is encouraging, “it doesn’t replace what we’ve lost on big box retailers,” Schneider said.

In January, AntennasDirect became the largest TV antenna manufacturer in the U.S. after buying Mohu, its one-time competitor in Raleigh, North Carolina.

Much of Schneider’s company has been working from home since the COVID-19 outbreak.

The coronavirus impacted Mohu’s production schedule earlier this year. Parts manufactured in China arrived at the Raleigh assembly plant later than planned. And then, the pandemic reached the U.S. prompting many retailers to close, according to Schneider.

“We had to cancel some purchase orders in February and March,” he said. “As soon as the parts arrived, all the big box stores canceled their orders.”

In response to hearing about customer’s financial troubles, AntennasDirect issued a 20 percent discount on all products for the foreseeable future.

“It’s just a response to people who are struggling,” he said. “We are trying to marry up with the increased inquiries. This would enable a lot of people in terms of pushing people off the fence.”

The discount is only for AntennasDirect products, not Mohu antennas, Schneider said.

A new tipping point for cord cutting?

Schneider believes that a pandemic-stricken economy will be a tipping point for cord cutting.

“I think 2020 will be looked at as the year we turned into a normal mainstream thing instead of something just for the hardcore techies,” he said.

The largest pay TV providers lost about 4.9 million net video subscribers in 2019, according to [a study by Leichtman Research Group, Inc.](#) The top seven cable companies lost about 1,560,000 video subscribers in 2019, while satellite TV services lost about 3,700,000 subscribers, according to Leichtman.

Cable and satellite TV providers had their [largest quarterly subscriber loss](#) in the first three months of 2020. With COVID-19 ravaging the economy, those numbers are expected to get worse.

Schneider said economic circumstances may already be accelerating cord cutting strictly out of necessity.

“In the last six to eight weeks, it’s brought an entire new demographic into the cord cutting world,” he said, referencing his online sales. “This has been the shove that a lot of people needed. It’s made it more mainstream.”

He said that instead of just a predominantly male customer base, “Now, it’s trending more female and people who are worried about bills.”

ATSC 3.0 moving ahead

Even if TV antennas become mainstream again, the economic crisis raises new questions about whether [ATSC 3.0 will be deployed](#) as quickly as first expected.

In early April, a group of broadcasters announced that ATSC 3.0 would come to 40 markets by the end of 2020.

ATSC 3.0, or NextGen TV, will bring numerous upgrades to free over-the-air TV. Those improvements include 4K picture resolution, High Dynamic Range, Dolby Atmos and possibly video on-demand.

Once the pandemic struck the U.S., [advertising dollars began drying up](#) for major media companies and local broadcasters. The financial outlook raises new questions about how much local broadcasters will be willing to spend to upgrade.

“The stations aren’t flush with cash. If I was a general manager (of a TV station), I would probably hold off on capital spending right now,” Schneider said.

ATSC Chairman Lynn Claudy said in a memo last week that [broadcasters are pushing forward](#) with deploying ATSC 3.0 — despite the COVID-19 crisis.

He noted that the first ATSC 3.0 consumer receivers are now available for purchase. SiliconDust announced its first [ATSC 3.0 tuner](#), the HDHomeRun Quatro 4K as part of a Kickstarter campaign last week.

“This crisis is proof that broadcasting is a critically important and resilient industry, and we hope that a fully deployed ATSC 3.0 system will deliver new capabilities and also new avenues to keep viewers informed and entertained,” he said in the memo.

TV News – June 2020

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Location	RF Ch	Callsign	Notes
Alabama			
Huntsville	31	WWHL-LD	Power increased to 1.61kw/45m, 34-53-05/86-55-01.
Montgomery	12	WSFA	Requests STA 24.1kw/497m; interim pre-repack antenna pending installation of permanent antenna. Granted.
Alaska			
Alakanuk	8	K08KD	Converted to digital.
Juneau	35	KATH-LD	Requests power increase to 130 watts/-300m, 58-18-04/134-26-32.
Arizona			
Clarkdale	36	K36AE	Requests power increase to 15kw/767m. (same site as K16BP) Granted.
Cottonwood	16	K16BP	Requests power increase to 15kw/767m. (same site as K36AE) Granted.
Holbrook	11	KDTP	Granted power increase to 160kw/54m, 34-23-19/110-59-39.
Parker	49	KJPO-LD	STA dismissed
Tucson	19	KTTU	Operating at reduced power of 1kw (transmitter output, I believe) since May 19th due to tube failure.
Yuma	19	K19CX	Requests STA 1.86kw/348m; to convert to digital to disseminate educational material regarding COVID-19. Translates PBS affiliate KAET-8 Phoenix. Granted.
Arkansas			
Harrison	8	KXMP-LP	Calls changed from KTKO-LP.
Harrison	31	KWBM	Granted power increase to 1000kw/339m.
McDougal	27	K27OY	See Memphis, Tennessee.
California			
Bakersfield	12	KJOU-LP	Requests power increase to 3kw/356m; granted.
Cherry Valley	8	KILA-LD	OFF Apr. 22 nd pending move to new site.
Chico	17	KXVU-LP	OFF May 1 st pending move to digital ch. 3. Will be carried on a subchannel of KKTF-LD 35 until it's able to return on its own signal.
Chico	20	KNVN	New aux on the air, 225kw/442m.
Chico	23	K23PH	Permit granted for new station, 7kw/-3m, 39-51-09/121-57-09 (Mako Communications)
Chico	24	KNVN	Application for new aux, 225kw/442m.
Chico	28	KKPM-CD	Requests site change to 38-42-28/121-28-36.
Cotati	5	KRCB	Moved from 23, 18.6kw/463m, 37-45-19/122-27-10 (Mt. Sutro, San Francisco) New aux on the air, 27.5kw/382m at the same site.
Keyes	47	KFMS-LD	OFF May 15 th pending move to ch. 31.
Lucerne Valley	30	KIJR-LP	From 47, 1.5kw/189m; granted.
Modesto	12	K12XJ	Moved from K49EO, 2kw/82m.
Monterey	14	K14SI	OFF May 19 th , interference claims from land mobile.
Petaluma	21	KQRM-LP	See sharing host KCNZ-CD.

Location	RF Ch	Callsign	Notes
Redding	31	NEW-182522	Application for new LPTV dismissed; failed to file for new channel after displacement. (CTB Spectrum Services)
Sacramento	10	KXTV	Application for new aux, 62kw/485m; granted.
Sacramento	30	KAHC-LD	Moved from 45.
Sacramento	34	KEZT-CD	Returned to the air May 22 nd , in digital, on this channel. (ex-ch. 23) 15kw/84m; modified to match as-built antenna.
Salinas	4	K04RS	Site changed to 36-33-09/121-47-20.
San Diego	16	KDTF-LD	Granted site change to 32-50-20/117-14-59.
San Francisco	20	KDTV-DT	Moved from 51, 475kw/701m.
San Francisco	20	KTSF	See sharing host KDTV-DT.
San Francisco	21	KCNZ-CD	From 28, 15kw/410m, 37-41-12/122-26-07; granted.
San Francisco	21	KMTP-TV	See sharing host KCNZ-CD.
San Francisco	21	KOFY-TV	See sharing host KCNZ-CD.
Santa Ana	33	KTBN-TV	Operating at less than 80% power since May 14th due to equipment failure.
Stockton	23	KQCA	Permit granted for new aux, 363kw/526m; aux on air. New main on air as well, 425kw/579m.
Stockton	28	KMMW-LD	OFF Apr. 29 th pending move to ch. 14.
Temecula	3	K03JB	From K12PO, 3kw/102m, 33-35-34/117-08-54; granted.
Twentynine Palms	29	K29GK	Granted conversion to digital, 900 watts/433m.
Colorado			
Boulder	32	KCEC	From 15, 650kw/363m; granted & moved.
Denver	33	KRMA-TV	New aux on the air, 500kw/331m.
Las Animas	40	K40DP	OFF May 20 th pending move to ch. 35.
Delaware			
Dover	3	WEVD-LD	Granted power increase to 1.25kw/67m, 39-42-52/76-09-28; power increased. Granted further increase to 1.25kw/87m, 39-54-18/76-34-57. Requests another move to 1.25kw/245m, 40-07-20/77-04-12; WKCD-FM tower near Harrisburg, Penna.
Wilmington	13	WHYY-TV	Granted permission to host WMCN-TV Princeton, N.J.
Florida			
Clermont	23	WKCF	Moved from 17, 1000kw/511m.
Daytona Beach	14	WDYB-CD	STA 3kw/208m, 28-35-13/81-04-58 dismissed.
Fort Myers	15	WBBH-TV	Requests STA 620kw/429m; to return to use of interim antenna pending repair of defective post-repack antenna. Antenna shared with WZVN-TV Naples which requests an identical STA. Granted.
Gainesville	8	WNBW-DT	Moved from 9, 65kw/260m, 29-37-48/82-34-24.
Key West	22	W22FI	Permit granted for new LPTV, 15kw/63m, 24-33-20/81-48-05 (Alma Corp.) (cell tower at Southard & Bahama Sts.)
Lealman	16	W16DQ	Requests power increase to 15kw/209m, 27-49-11/82-15-38. Granted.
Monticello	14	NEW-182711	Application for new LPTV dismissed.
Naples	28	WZVN-TV	Requests STA 620kw/429m; to return to use of interim antenna pending repair of defective post-repack antenna. Granted.
Orlando	26	WKMG-TV	Granted power increase to 1000kw/515m.
Panama City	10	WGOM-LP	Requests site change to 30-10-35/85-48-20; 3kw/78m.
Pensacola	35	WJTC	Moved from 45, 1000kw/457m.
Reddick	20	W20ES	Permit granted for new station, 200w/45m, 29-20-51/82-13-05.
St. Petersburg	32	W32FH	From W40CU, 15kw/187m; granted.
Tallahassee	4	W04DX	Permit granted for new station, 3kw/94m, 30-23-10/84-16-33.

Location	RF Ch	Callsign	Notes
			(King Forward)
Tallahassee	14	NEW-182698	Application for new LPTV dismissed; failed to file for new channel after displacement. (Alma Corp.)
Tallahassee	29	W29FO	Permit granted for new station, 10kw/443m, 30-40-50/83-58-21 (Mako Communications)
Vero Beach	30	W30EP	Moved from W45DT, 15kw/43m, 43-22-36/96-11-49.
Georgia			
Atlanta	27	WAGA-TV	Operating at approximately 50% power since April 23rd, equipment failure. Requests STA for further reduction to 14.4% power, pending transmitter replacement.
Augusta	18	WIEF-LD	OFF May 7 th , transmitter failed to come up properly after antenna work.
Macon	28	NEW-182004	Application for new LPTV dismissed. Failed to file for new channel after displacement by W42DU/W28EU. (DTV America)
Macon	33	WGNM	Moved from 45, 793kw/223m.
Savannah	8	WVAN-TV	Moved from 9, 36.5kw/389m.
Valdosta	26	W26FJ	Granted 3kw/117m, 30-48-14/83-21-20.
Vidalia	15	WPHJ-LP	Converted to digital from analog ch. 46, 3kw/35m, 32-01-22/82-24-27.
Vidalia	25	WQIX-LD	Requests power increase to 4kw/153m, 31-45-53/82-13-37; granted Power increased to 3kw/35m, 32-01-22/82-24-28.
Warner Robins	28	NEW-181172	Application for new LPTV dismissed. Failed to file for new channel after displacement. (Georgia Eagle Media)
Washington	34	W34FT	Permit granted for new LPTV, 1kw/50m, 33-43-06/82-45-42 (Ministerios Camino de Santidad)
Waycross	7	WXGA-TV	Moved from 8, 35.3kw/315m.
Hawaii			
Hilo	22	KFVE	Calls changed from KHBC-TV.
Idaho			
Boise	3	K03JC	Permit granted for new station, 3kw/77m, 43-35-43/116-08-42 (Mako Communications) (same parameters as K05NH, granted last month)
Boise	36	NEW-182690	Application for new LPTV dismissed. Failed to file for new channel after displacement. (CTB Spectrum Services)
Nampa	14	NEW-181927	Application for new LPTV dismissed. Failed to file for new channel after displacement. (CTB Spectrum Services)
Pocatello	15	KPIF	Requests STA to operate previously-licensed facilities. License inadvertently allowed to expire due to problems with previous licensee.
Illinois			
Champaign	7	W07DD	Requests STA 100 watts/19m. Has parts on hand to build low-power facility pending acquisition of equipment for full power. Granted.
Champaign	27	W27EL	From W39BH, 15kw/78m; granted.
Chicago	23	WCIU-TV	Requests STA 15kw/351m, 41-53-56/87-37-23; see text. Granted.
La Salle	32	WWTO-TV	See sharing host WLPD-CD Plano.
Macomb	36	WMEC	Moved from 21, 100kw/129m.
Mount Vernon	9	W09DL	Moved from W42EM, 3kw/86m, 38-21-54/89-53-24.

Location	RF Ch	Callsign	Notes
Naperville	32	WWTO-TV	See sharing host WLPD-CD Plano.
Plano	32	WLPD-CD	Moved from 35, 15kw/86m, 41-50-18/88-04-49.
Rockford	24	WUEB-LD	License canceled May 20 th .
Rockford	40	WODF-LD	License canceled May 20 th .
Springfield	23	W41DP	Moved from 41, 15kw/99m, 39-44-54/89-31-58.
Sugar Grove	40	W40CN	OFF Oct. 9 th , 2019 pending move to ch. 27. Signed by the station on Oct. 10 th ; I have no idea why it took this long to show up.
Indiana			
Evansville	10	W10DG	Permit granted for new station, 500 watts/58m, 37-57-48/87-36-34 (DTV America)
Iowa			
Cedar Falls	34	KMZM-LD	License canceled May 20 th .
Cedar Falls	46	KMKI-LD	License canceled May 20 th .
Keokuk	16	K16NT	Permit granted for new LPTV, 15kw/92m, 40-24-39/91-29-19 (DTV America)
Rock Rapids	33	K43LX	Moved from 43, 15kw/146m, 43-22-36/96-11-49.
Kansas			
Salina	15	K15CN	STA dismissed.
Kentucky			
Paducah	19	WPSD-TV	Granted STA 155kw/246m; interim facility pending construction of permanent post-repack facility.
Louisiana			
Baton Rouge	24	WGMB-TV	Moved from 45, 665kw/423m.
New Orleans	19	WDSU	Moved from 43, 1000kw/252m. (aux, main already moved.)
Maine			
Presque Isle	16	WWPI-LD	Granted power increase to 4.1kw/51m, 46-43-43/68-00-01; CL from Fort Kent. Increased.
Maryland			
Hagerstown	29	WWPB	Moved from 44, 700kw/375m.
Massachusetts			
Boston	30	WCRN-LD	Moved to 42-14-49/71-02-54, 15kw/226m.
Dennis	18	WMPX-LP	From 33, 15kw/63m, 41-49-36/70-48-35; site between Middleborough and Wareham. Granted.
Springfield	21	WFXQ-CD	Requests power increase to 5kw/260m; granted.
Michigan			
Ann Arbor	24	WPXD-TV	From 50; granted. (auxiliary. Main transmitter has already moved.)
Bay City	30	WNEM-TV	Moved from 22, 585kw/303m.
Traverse City	29	WGTU	From 31, 1000kw/393m; granted.
Mississippi			
McComb	49	W36AC	STA dismissed.
Meridian	13	WTOK-TV	Requests power reduction to 115kw/160m; granted.
Tupelo	8	WTVA	Requests STA 19.1kw/417m; interim pre-repack antenna pending installation of permanent antenna. Granted.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Missouri			
Cape Girardeau	28	WSIU-DRT	Granted 5kw/202m, 37-24-23/89-33-44.
Jefferson City	32	K32KV	License canceled May 20 th .
Joplin	27	KULG-LD	License canceled May 20 th .
Kansas City	24	KCTV	Operating at 65% power since May 10th; back to full power the 21st.
St. Louis	26	KPLR-TV	Granted power reduction to 1000kw/280m.
Montana			
<i>Billings</i>	23	<i>K23HI</i>	<i>Returned to the air Apr. 24th, but off again May 4th pending conversion to digital.</i>
Bozeman	13	KBZK	Power reduced to 13.9kw/223m, 45-38-15/111-16-07. See text.
Nebraska			
Lincoln	27	KFDY-LD	Requests power reduction to 3.65kw/175m, 40-43-40/96-36-51. Granted, and reduced.
Lincoln	41	KQLP-LD	License canceled May 20 th .
<i>Norfolk</i>	21	<i>K21HS</i>	<i>STA dismissed.</i>
North Platte	27	KHGI-CD	Requests power increase to 15kw/145m; granted & increased.
Nevada			
Carson City	34	K34QS	Application for new LPTV dismissed. Failed for apply for new channel after displacement. (CTB Spectrum Services)
Laughlin	32	KMCC	Requests STA to operate DTS site #1 near Dolan Springs, Ariz. At half power due to transmitter failure. Site #2 at the KLAS-TV tower is still operating properly.
Reno	28	NEW-182564	Application for new LPTV dismissed. Failed to file for new channel after displacement. (Alma Corp.)
New Jersey			
Princeton	13	WMCN-TV	To share on WHYY-TV Wilmington, Delaware.
New Mexico			
Roswell	26	K26PL	Application for new Digital Companion Channel for K36GD, 5.11kw/100m, 32-46-56/104-12-32; granted.
New York			
Carthage	7	WWNY-TV	Requests STA 31.5kw/219m; temporary reduced-power operation pending move to ch. 8.
<i>Elmira</i>	38	<i>W59DG</i>	<i>STA dismissed.</i>
Monticello	31	WZPK-LD	Moved from 25, 15kw/497m, 41-41-06/74-21-22.
New York	5	WNYX-LD	OFF Apr. 7 th , working on arrangements for permanent tower space.
New York	10	WNXY-LD	OFF Apr. 9 th , working on arrangements for permanent tower space.
Olean	30	W30BW	Granted power reduction to 1.69kw/91m, 42-16-35/78-39-30.
North Carolina			
Beaver Dam	35	W35DT	Moved from W08BP, 15kw/344m.
Buxton	35	WHOB-LD	Requests STA 100 watts/24m. Has parts on hand to build low-power facility pending acquisition of equipment for full power. Granted.
Canton	27	WUNW	Granted changes to DTS site #6 (Bryson City): 940w/280m.
Concord	21	WUNG-TV	Moved from 44, 260kw/417m.
Durham	36	W24CP	Requests STA 100 watts/69m. Has parts on hand to build low-power facility pending acquisition of equipment for full power. Granted.

<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
Greensboro	35	WFMY-TV	Moved from 51, 743kw/569m. Application for new aux, 268kw/527m; granted & on the air.
Greensboro	51	WFMY-TV	Granted STA 250kw/527m; interim pre-repack facility pending installation of permanent antenna.
Greenville	19	WYDO	Requests STA 350kw/474m; interim post-repack antenna pending installation of permanent antenna. Granted.
Lumberton	30	WUNU	Moved from 31, 329kw/317m.
Lumberton	50	W50EQ	License canceled May 20 th .
Raleigh	10	WIRP-LD	Moved from 22, 3kw/159m.
Raleigh	30	W30EK	Requests power increase to 4.3kw/28m, 35-50-00/78-15-14.
Raleigh	33	W33EI	From W46EU, 15kw/242m; granted.
North Dakota			
Grafton	17	K17OP	Permit granted for new LPTV, 4kw/69m, 48-25-01/97-26-06 (Landover 2 LLC)
Grand Forks	27	KCPM	Seeks "resurrection". See text.
Ohio			
Akron	24	WEAO	Permit granted for new aux, 536kw/215m; on the air.
Canton	24	WRLM	See sharing host WEAO Akron.
Cleveland	16	W16DO	Requests STA 7kw/323m; to operate at 70% power on pre-repack channel. Post-repack antenna cannot be delivered on time. Pre-repack operation at full power would interfere with WOSU-TV Columbus.
Cleveland	32	WRAP-LP	Returned to the air Apr. 16 th . But off again ten days later, problems with displacement.
Columbus	26	WCSN-LD	Moved from 33.
Dayton	34	WKEF	Moved from 18, 950kw/351m.
Dayton	36	WRGT-TV	Moved from 30, 1000kw/351m.
Maplewood	25	W25FI	Returned to the air May 5 th , ex-W32DS.
Oxford	29	WPTO	Requests power reduction to 500kw/279m; granted & reduced.
Toledo	6	WDMY-LP	Granted power increase to 3kw/243m, 41-40-22/83-22-47.
Zanesville	29	W29EG	Power reduced to 1.39kw/27m, 39-55-18/82-56-16.
Oklahoma			
Ardmore	44	K44BQ	STA dismissed.
Oregon			
Eugene	15	KORY-CD	OFF Oct. 24 th , 2019 pending construction of permanent facility. Returned to full power May 15 th .
Glide	24	K24FH	Operating at reduced power of 20 watts since April 21 st .
Pennsylvania			
Brookville	34	W34FL	Moved from 45, 3kw/221m, 41-03-52/78-34-11.
Meadville	46	W52BO	STA dismissed.
Pittsburgh	36	W36FK	From W52BO, 3.38kw/96m, 41-14-49/79-54-00; CL from Meadville. Granted. I believe this station has been operating on ch. 46 under STA.
Puerto Rico			
Aguadilla	12	WOLE-DT	Power reduced to 44kw/628m, 30-39-06/96-23-05.
Anasco	22	W33CY	Requests STA 1.5kw/596m, 18-08-52/66-59-00; to operate at reduced power at an alternate site. See W17DL Toa Baja for explanation.
Arroyo	16	W32DV	Requests STA to share on W16CW Villalba.

Location	RF Ch	Callsign	Notes
Ceiba	17	W23EM	Requests STA to share on W17DL Toa Baja.
Ceiba	33	W18DZ	Requests STA to share on W33ED Vieques.
Culebra	33	W24DW	Requests STA to share on W33ED Vieques.
Luquillo	33	W19DV	Requests STA to share on W33ED Vieques.
Mayaguez	22	W32DZ	Requests STA to share on W33CY (ch. 22) Anasco.
Naguabo	17	W21DD	Requests STA to share on W17DL Toa Baja.
Ponce	15	WUSP-LD	Moved from 26.
Toa Baja	17	W17DL	Requests STA 500w/268m, 18-16-23/66-05-35; to operate at reduced power at an alternate site. Lingering effects of hurricane and other natural disasters.
Toa Baja	17	W25EF	Requests STA to share on W17DL.
Trujillo Alto	17	W34ED	Requests STA to share on W17DL Toa Baja.
Vieques	33	W33ED	Requests STA for this channel (ex-W34DY), 2kw/906m, 18-16-43/65-40-12; to operate at reduced power & alternate site due to natural disasters.
South Carolina			
Beaufort	14	WHYH-LD	Calls changed from WSCG-LD.
Charleston	30	WLOW-LD	Requests power increase to 4.38kw/51m; granted & increased.
Conway	9	WHMC	Requests STA 18.2kw/127m; interim pre-repack antenna pending installation of permanent unit. Granted.
Florence	19	WDXA-LD	License canceled May 20 th .
Florence	22	WEQA-LD	License canceled May 20 th .
Myrtle Beach	15	WCYD-LD	License canceled May 20 th .
Spartanburg	51	WSQY-LP	Requests STA 190 watts/366m pending move to digital ch. 29. Granted.
South Dakota			
Huron	12	KTTM	OFF May 18th, equipment failure.
Tennessee			
Jackson	21	WJKT	Moved from 39, 193kw/319m.
Knoxville	30	W30EG	From W45DF; granted.
Memphis	27	K39CP	From 39, 2kw/45m, 36-26-33/90-23-40; CL from Poplar Bluff, Mo. Site is near McDougal, Ark., closer to Poplar Bluff. Granted.
Nashville	20	WZTV	Moved from 15, 1000kw/427m.
Nashville	30	WNAB	Moved from 23, 510kw/411m.
Union City	24	WUWT-CD	Moved from 26, 14.3kw/92m.
Texas			
Amarillo	15	KCIT	Requests STA 462.5kw/455m; to operate at 50% power due to "transmission failure".
<i>Amarillo</i>	18	<i>K18HL</i>	<i>Returned to the air Apr. 22nd, but off again May 4th pending conversion to digital.</i>
<i>Beaumont</i>	22	<i>KUMY-LD</i>	<i>STA dismissed.</i>
Bryan	28	KYLE-TV	Requests STA 23kw/137m; interim pre-repack antenna pending installation of post-repack unit. Granted.
Bryan	34	K34QT	Granted 15kw/52m, 30-39-06/96-23-05.
Corpus Christi	13	KRIS-TV	OFF Apr. 29th, tower collapse. Station says rescan will continue to bring in their programming – I'm presuming it's being aired on commonly-operated KZTV-10.
Corpus Christi	22	K22JA	OFF Apr. 29 th , tower collapse. (same tower as KRIS) I believe the programming is still being aired on commonly-operated KZTV-10.
Corpus Christi	30	KQSY-LP	Requests power increase to 15kw; granted.
Dallas	3	KODF-LD	Moved from 26, 2.5kw/241m, 32-35-03/96-57-49.

Location	RF Ch	Callsign	Notes
Fredericksburg Harlingen	8 16	KCWX-DRT KFXV	Site changed to 30-19-21/97-48-04; 3kw/167m. Back on the air on this channel, ex-ch. 38. 618kw/346m. Calls changed from KMBH.
Kingsville	31	K31KK	OFF Apr. 29 th . Fed off-air from K22JA Corpus Christi, which went off when its tower (shared with KRIS-TV) fell.
Lake Dallas Laredo	31 10	KAZD KXNU-LD	Moved from 39. OFF May 19 th . Borrowed parts to repair KGNS-TV which took a lightning strike.
Lubbock McAllen Odessa	27 20 24	KAMC KMBH-LD NEW-182007	Granted power change to 490kw/266m. Calls changed from KFXV-LD. Application for new LPTV dismissed. Failed to file for new channel after displacement. (James L. Primm)
Raymondville Rio Grande City San Angelo	50 14 49	KMAO-LP KTLM NEW-184044	Digital conversion request dismissed. Moved from 40, 350kw/576m. Application for new LPTV dismissed. I don't see any statement from the FCC, but I also don't see any amendment to specify a channel below 37.
San Antonio San Antonio	15 27	KVDA KCOR-CD	Moved from 38, 805kw/451m. From 34, 15kw/148m, 29-25-06/98-29-32; granted. Moved on May 28 th but at half power.
Victoria Victoria Victoria Waco	11 26 27 44	KVCT KXTS-LD KUNU-LD KWKT-TV	Granted power increase to 43.3kw/290m. Moved from 19. Moved from 28, 10kw/312m. Requests STA 49kw/470m; interim pre-repack facility pending construction of post-repack system. Granted.
U.S. Virgin Islands			
Christiansted Sion Farm	32 18	W32FQ W24DO	Granted move from W39DP. Requests STA for this channel, 1.5kw/796m, 17-43-05/64-47-45. Amendment from 2kw & to change site. Granted.
Tutu	31	W31EJ	Granted STA (ex-W33DD) 2kw/452m, 18-21-28/64-58-17, pending repairs from Hurricane Maria.
Utah			
Ogden Price Salt Lake City	24 42 19	KPNZ NEW-127897 KJZZ-TV	Returned to full power May 13th. STA for new station dismissed. To operate in ATSC 3.0; will be carried in ATSC 1.0 on KUCW Ogden.
Salt Lake City	34	KUTV	To be carried in ATSC 3.0 on KJZZ-TV.
Virginia			
Charlottesville	2	WVIR-TV	Requests STA 34kw/368m; to operate at 340% of the normal power limit for this channel, in an attempt to overcome low-VHF's disadvantages. Granted.
Damascus	29	WDWA-LD	From 23, 200 watts/48m, 39-08-01/77-04-05; CL from Dale City. Site is near Rockville, Md. Amended to 350 watts, and granted.
Hampton	11	WVEC	Granted new aux, 60kw/299m; convert interim pre-repack facility to permanent post-repack auxiliary. Moved from 13, 34.8kw/357m.
Norfolk Norfolk Roanoke	14 32 3	WNLO-CD WPXV-TV WBRA-TV	Requests power increase to 15kw/220m; granted. Moved from 46, 865kw/348m, 36-49-00/76-28-05. Requests STA 22kw/614m; to operate at 220% of the normal power limit for this channel, in an attempt to overcome low-VHF's disadvantages. Granted.

Location	RF Ch	Callsign	Notes
Washington			
Yakima	23	K23PG	Permit granted for new LPTV, 500 watts/275m, 46-31-43/120-31-07 (Mako Communications)
West Virginia			
Clarksburg	22	W22CY	OFF Apr. 18 th , lost tower lease. To return in digital from new site.
Clarksburg	30	W30CH	License canceled May 18 th .
Elkins	31	W31CQ	License canceled May 8 th .
Wisconsin			
La Crosse	17	WLAX	Requests STA 35kw/297m; interim pre-repack facility pending installation of post-repack transmitter.
La Crosse	30	WEAU-DRT	Requests power increase to 15kw/209m, 43-48-16/91-22-20; granted.
La Crosse	33	WLAX	Requests STA 750kw/231m; interim post-repack antenna pending completion of permanent facility. Granted.
Madison	18	WMSN-TV	Moved from 49, 440kw/450m, 43-03-21/89-32-06.
Waupaca	15	W36DH	STA dismissed.
Wyoming			
Sheridan	15	K15HK	Requests power increase to 4kw/353m, 44-37-26/107-07-05. Granted.

Heavy rains flooded the basement of the Willis (Sears) Tower in Chicago on the night of Sunday, May 17th. The electrical switchgear – and the backup generators – are in that basement. Numerous TV transmitters are on the upper floors. The transmitters were not damaged, but they don't work very well without electricity...

WGN & WLS have backup facilities on the nearby John Hancock Center. WFLD and WMAQ had built interim facilities on John Hancock for use during the repack; those facilities were still serviceable. WCIU rushed a reduced-power transmitter & antenna into service on the Hancock late Tuesday evening, later replacing it with a more powerful facility. (but as of Thursday it was still at 15kw ERP)

A letter released by the Willis Tower on Thursday (the 22nd) indicates power has been restored to the building. Presumably all silenced stations are back on the air. Earlier that day, WBBM's and WTTW's websites indicated the stations were still off the air. Stations marked in red below are showing up as off the air on RabbitEars.info on Thursday night.

Station	Thursday status
WBBM (2)	OFF
WMAQ (5)	ON
WLS (7)	ON
WGN (9)	ON
WTTW (11)	OFF
WOCK (13)	ON
WYCC (20)	OFF (shares on WTTW transmitter)
WRJK (22)	OFF
WWME (23)	OFF
WPVN (24)	ON
W25DW	OFF
WCIU (26)	ON
WFLD (32)	ON
WEDE (34)	OFF
WCPX (38)	OFF
WESV (40)	OFF

Station	Thursday status
WSNS (44)	ON
WMEU (48)	OFF
WPWR (50)	ON
WDCI (57)	ON
WXFT (60)	ON
WCHU (61)	OFF
WJYS (62)	OFF
WGBO (66)	ON

KCPM-27 in North Dakota was deleted on March 9th. The FCC believes the station didn't operate from an authorized facility for over a year. An Act of Congress requires the Commission to delete any station which doesn't broadcast for more than a year, and the Commission has ruled operation with unauthorized facilities doesn't count. KCPM's owners asked – unsuccessfully – that the license be “resurrected”.

Gray TV, owners of KVLV-11 and KXJB-LD 30, wishes to buy KCPM. (presumably, for the must-carry rights. KXJB, as a LPTV station, is not guaranteed a spot on cable. KCPM, if resurrected, is a full-power license and is guaranteed a spot.) Gray also asked the FCC to waive the multiple-ownership rules to allow them to buy KCPM. If both requests were granted, Gray had promised to air additional newscasts and special COVID-19 programming.

They also wished to repurpose KVLV's backup transmitter for KCPM, and to share KVLV's antenna. (on the world's tallest tower) If granted, I'd estimate KCPM's facilities around 80kw/600m.

KRDK-4 opposed the move. KRDK says KCPM's circumstances are not unique and past FCC practice would not have granted KCPM's request. KRDK says Gray could air the additional programming on KVLV and KXJB if they wished.

The Commission didn't buy KCPM's or Gray's arguments. The FCC is slow to grant exceptions to the off-over-a-year rule. Puerto Rican stations received exceptions – because Hurricane Maria, clearly beyond the control of the stations, wiped out towers and electricity across the island. Other waivers were granted when a station was unable to file for permission to use temporary facilities because the federal government was shut down; a station completed construction but then discovered government records had incorrect coordinates for the leased tower & an aircraft safety issue might exist; or a station's lengthy shutdown was the result of an order of a state court.

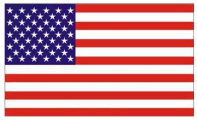
KCPM's downtime was not caused by natural disasters or the actions of others. There were plenty of other towers in eastern North Dakota where a KCPM facility could have been built. (the last authorized facility was 1.25kw to an antenna only 18 meters high. I was able to build an 18-meter tower for approximately \$2,000... although it was in Tennessee so it wouldn't have done KCPM any good(grin))

Nor was Gray's promise to air additional COVID-related programming persuasive. The Commission noted any waivers granted in this case will have lasting effect, long after the virus is relegated to the history books.

Further appeals are possible, but my gut feeling is they would be pointless.

It appears the Green Mountain transmission facility east of Bozeman, Montana has become off-limits for some reason. You may remember last month, KUSM-9 requested permission to leave the site and build a two-transmitter DTS with one transmitter on High Flat west of Bozeman. This month, KBZK channel 7 also requested a move from Green Mountain to High Flat. (however, KBZK will operate only one transmitter)

Three FM stations sited on Green Mountain have also filed to move west. KMMS-FM 95.1 (which is also moving to 94.7); KISN 96.7; and KXLB 100.7 have all filed for, and received permission to, make this move. One FM translator (K233DR 94.5) still holds a permit to operate from Green Mountain.



FM NEWS - JUNE 2020

FM Call Letter and Programming Changes
Editor: Bill Hale fmnews@wtfd.org



Visit db.wtfda.org to stay up-to-date

AL	Fayette	97.1	W246DJ	CA	Fresno	93.3	KCFZ-LP
	Classic Hits: 'Big Cat 97.1' // WLDX-990				Returns to the air with Variety		
AL	Florence	96.7	W244EF	CA	Fresno	92.5	KFGD-LP
	Variety // WVNA-1590				New station signs on with Classical		
AL	Jacksonville	96.3	WJXI-LP	CA	Hemet	105.1	KXRS
	New station signs on with Weather/Traffic/Info				Frequency change from 105.7		
AL	Littleville	100.1	WLAY-FM	CA	Johannesburg	98.5	KGIL
	Country: 'Country's Greatest Hits' // WLAY-1450 & W286DP 105.1)			CA	Laguna Niguel	93.5	KXRN-LP
AL	Mobile	104.5	KGDH-LP		Changes City-of-License from Laguna Beach		
	New station signs on with Spanish Religious			CA	La Quinta	98.9	KZLQ-LP
AL	Monroeville	99.3	WMFC		New station signs on with Spanish Religious		
	Classic Hits: 'Classic Hits 99.3'			CA	Lompoc	106.7	KSMY
AL	Oxford	95.9	WOXI-LP		Spanish Adult Hits: 'La Mejor'		
	New station signs on with Weather/Traffic/Info			CA	Rancho Mirage	100.1	KRAQ-LP
AL	Sheffield	92.3	WSHF-LP		New station signs on with Spanish Religious		
	Changes city of license from Hawk Pride			CA	Yuba City	99.5	KRYI-LP
AL	Tuskegee	95.9	WTGZ		New station signs on with Spanish		
	Modern/Alternative Rock: 'Tiger 95.9'; changes calls from WQSI			CO	Bennett	107.1	KFCO
AL	Union Springs	93.9	WQSI		CHR: 'Hot 107.1'		
	Talk: 'FM Talk 93.9'; call change from WTGZ			CO	Colorado Springs	101.5	K268DV
AL	Vernon	100.7	W264DD		Is Silent, as is // KJME-890		
	Southern Gospel: 'WVSA 100.7 The Voice'			CO	Rye	104.9	KWRY
					Call change from KFVR		
				CO	Wray	88.1	KHTU
					Classic Country: 'The Ranch'		
AK	Healy	96.3	KHRS	CT	Avon	106.3	WSPV-LP
	Calls assigned to new station				Is Silent		
AK	Kodiak	101.1	KVOK-FM	CT	Bridgeport	99.9	WEZN-FM
	Hot AC: 'Hot 101.1'; call change from KRXX				Hot AC: 'Star 99.9 Today's Best Mix'		
AZ	Glendale	103.5	KLNG	CT	Bridgeport	107.3	W297CP
	Regional Mexican: 'La Tricolor 103.5'				Talk: 'WICC 600' // WICC-600		
AR	Fort Smith	88.9	KAOW	CT	New Haven	99.1	WPLR
	Religious Teaching: 'Bott Radio Network'				Rock: '99.1 PLR - Whatever Rocks'		
AR	Lake Village	103.5	WETI	CT	Southport	95.9	WFOX
	Urban Contemporary: 'Power 103.5'				Rock: '95.9 The Fox. Fairfield County Rock'		
AR	Marion	107.1	KXHT	CT	Westport	107.9	WEBE
	Urban Contemporary: 'Hot 107.1'				Adult Contemporary: 'Connecticut's Best Music Variety'		
AR	Mena	98.7	K254CY	FL	Atlantic Beach	103.7	W279AG and
	Is Silent, as is // KENA-1450			FL	Orange Park	92.7	W224EF
CA	Arvin	95.7	KKCA		Religious Teaching/Gospel Music: 'Pure 103.7 FM and 1320 AM' // WJNJ-1320		
	Is Silent						
CA	Big Pine	90.1	KWBP				
	Frequency change from 90.3						

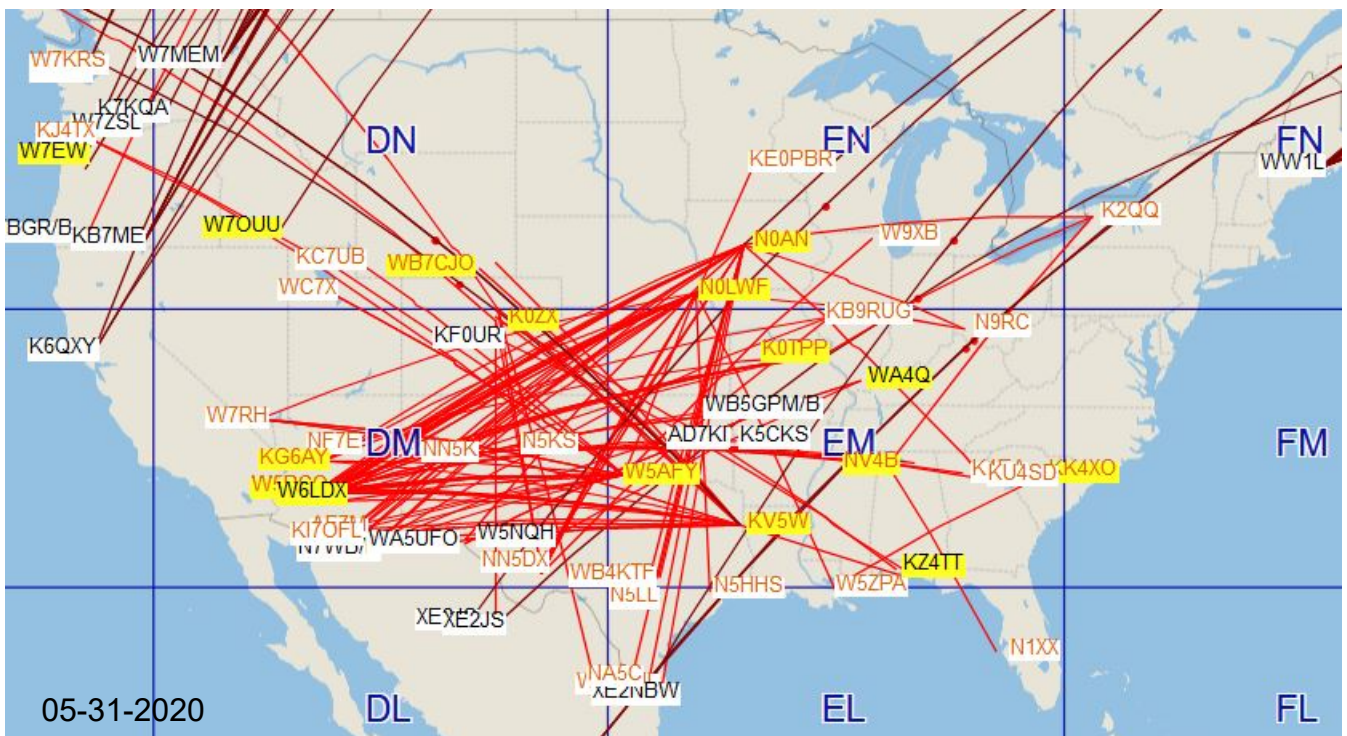
FL	Callahan	92.1	W248CT	GA	St. Simons	93.7	WBQO
	Regional Mexican: 'La Raza 92.9' // WNNR-970				Talk/Classic Rock: 'What You Need to Know, WBQO'		
FL	Citronelle	107.5	WFJV-LP	GA	Union City	96.7	WBZW
	Is Silent				Changes calls from WRDA		
FL	Cross City	88.5	WUFQ	GA	Union City	96.7	WRDA
	Changes calls from WWLC				Changes calls from WRDG		
FL	Fernandina Beach	92.3	W222CL	HI	Hilo	99.3	K257GV
	Regional Mexican: 'La Raza 92.9' // WVOJ-1570				Is Silent, as is // KIPA-1060		
FL	Ft. Walton Beach	91.1	WPSM	HI	Honolulu	105.9	KPOI-FM
	Contemporary Christian: 'WPSM 91.1'				Adult Contemporary: '105.9 The Wave'		
FL	Graceville	101.7	WTOT-FM	HI	Kaunakakai	98.9	KIOM-LP
	Returns to the air with Classic Hits				Returns to the air with Religious Teaching		
FL	Macclenny	92.1	WJXR	ID	Boise	103.1	KFFI-LP
	Tropical: 'Latina 92.1'				New station signs on with Variety		
FL	St. Petersburg	96.7	WMTB-LP	ID	Rupert	106.1	KKMV
	Is Silent				Country: 'Kat Kountry 106'		
FL	St. Petersburg	99.1	WUJM-LP	IL	Bone Gap	100.1	WXWS-LP
	New station signs on with Variety				New station signs on with Religious Teaching		
FL	Stockade	92.9	W225BI	IL	Colchester	104.1	WMQZ
	Regional Mexican: 'La Raza 92.9' // WNNR-970				Rock: 'Woof Rock 104'		
FL	Venice	97.7	W249EB	IL	Marshall	105.9	WMMC
	Oldies: 'Oldies 1320' // WDDV-1320				Classic Hits: 'Magic Hits'		
FL	Wauchula	102.1	W271DH	IL	Springfield	88.3	WTTT
	Country: '102.1 The Outlaw' // WAUC-1310				Returns to the air with Religious Teaching: 'EWTN'		
GA	Ambrose	97.9	WDMG-FM	IN	Indianapolis	107.9	WNTR
	News/Talk: 'Coffee County's Community Station'				Hot AC/80s Hits: '107.9 The Mix'		
GA	Atlanta	93.3	W227DN and	IN	New Haven	101.3	WNHE-LP
GA	Norcross	101.9	W271CV		Changes calls from WHNH-LP		
	Talk: 'Fistful of Radio' // WTZA-1010			IN	Richmond	89.3	WKRT
GA	Barnesville	104.9	W285FK		Changes calls from WJKL		
	Classic Hits: 'Georgia's Hot Hits' // WBAF-1090			KS	Liberal	105.5	KZQD
GA	Bowdon	105.3	WRDG		Frequency change from 105.1		
	Urban Contemporary: 'The Beat'; changes calls from WRDA			KY	Cadiz	100.9	W265BW and
GA	Bowdon	105.3	WRDG	KY	Hopkinsville	96.5	W243CH
	Country: 'Z-94.5'				Oldies: 'Oldies Radio WHVO 96.5 FM & 100.9 FM' // WHVO-1480		
GA	Canton	105.7	WBZY	KY	Louisville	100.9	WXND-LP
	Spanish CHR: 'Z 105.7 and 96.7' [96.7 refers to WRDG]				Changes calls from WCHQ-LP		
GA	Ellijay	101.1	WLJA-FM	KY	Shelbyville	93.3	WXLN-LP
	Southern Gospel: 'North Georgia's 101.1'				Religious Teaching: 'Power 93.3 WXLN'		
GA	Manchester	97.3	W247CJ	LA	Baton Rouge	105.9	WPYR-LP
	Classic Hits: 'Georgia's Hot Hits' // WFDR-1370				New station signs on with Religious Teaching: 'EWTN'		
				LA	De Quincy	92.1	KTSR
					Hot AC: '92.1 The Bridge'		
				LA	Harrisonburg	94.3	WETH
					Is Silent		
				LA	Lafayette	104.3	KQFA-LP
					Frequency change from 104.1		

LA	Mansfield	92.7	KJVC	MS	Jackson	87.7	WJMF-LP
	Country: 'Classic Country 92.7 KJVC'				Classic Hits: 'The Bridge 87.7 FM'		
ME	Belfast	100.9	WBFY-LP	MS	Kosciusko	105.1	
	New station signs on with Variety				WJDX-FM		
MD	Baltimore	92.7	WVTO-LP		Urban Contemporary: 'Real 105.1'		
	New station signs on with Religious Teaching			MS	Ripley	102.3	WSKK
MD	Ocean City	99.5	WPSB-LP		Classic Rock: 'The Shark - Classic Hits 102.3'		
	New station signs on with Weather/Traffic/Info			MS	Vardaman	99.5	WETX
MD	Ocean City	100.3	WWOP-LP		Classic Hip-Hop: 'Blazin 99.5'		
	New station signs on with Weather/Traffic/Info			MO	Clayton	90.3	KWUR
MA	Athol	99.9	WKMY		Is Silent		
	Contemporary Christian: 'K-Love'; call change from WFNX			MO	Joplin	92.5	KSYN
MA	Nantucket	105.5	WNPDP-LP		CHR: 'Kissin 92.5'		
	New station signs on with Weather/Traffic/Info			MO	Van Buren	91.3	KDMC-FM
MA	Weymouth	101.1	W266DQ		Call change from KBIY		
	Classic Hits: '1510 WMEX The Greatest Hits' // WMEX-1510			MT	Butte	102.9	K275CW and
MA	Winchendon	91.1	WRWX	MT	McQueen	94.7	K234AT
	Changes calls from WKMY				Talk/Sports // KXTL-1370		
MI	Detroit	95.1	W236DR	MT	Glendive	103.1	K276GO
	Urban Gospel/Religious Teaching: 'WMKM-1440' // WMKM-1440				Oldies/Adult Contemporary: 'KXGN 1400 AM & 103.1 FM' // KXGN-1400		
MI	Grand Rapids	102.9	WYHA	MT	Kalispell	90.9	KSPL
	Is Silent; changes calls from WFUR				Is Silent		
MI	Leland	94.3	WCMV-FM	MT	Kalispell	101.9	KXZI-LP
	News/Talk: 'CMU Public Radio'; call change from WFCX				Is Silent		
MI	Manistee	97.7	WMLQ	NE	Holdrege	96.9	K245CK
	Is Silent				Classic Hits: 'Continuous Favorites 1380 AM and 96.9 FM' // KUVR-1380		
MN	St. Louis Park	97.5	KPPS-LP	NV	Pahrump	106.9	KWKI-LP
	Returns to the air with Variety				Is Silent		
MN	Starbuck	97.3	KRVY-FM	NH	Bedford	105.1	WBNH-LP
	Classic Hits: 'The Kangaroo 97.3'				New station signs on with Variety		
MS	Batesville	96.7	W244ED	NM	Grants	88.7	KFCY
	Returns to the air with Classic Country: 'Country Legends 106.9' // WJBI-1290				Is Silent		
MS	Batesville	100.5	WBLE	NM	Los Lunas	106.3	KDLW
	Returns to the air with Country				Spanish: 'La Zeta 106.3'		
MS	Columbus AFB	105.3	WACR-FM	NY	Acra	90.7	WGXC
	Urban AC: 'Southern Soul and Today's R&B'				Variety: 'WGXC Radio For Open Ears'		
MS	Crenshaw	106.9	WHKL	NY	Dannemora	107.1	WPLA
	Returns to the air with Classic Country: 'Country Legends 106.9'				Classic Hits: 'Lake FM'		
MS	Greenwood	97.3	W247DA	NY	Hyde Park	97.7	WCZX
	Urban Gospel: 'Gospel 1540' // WKXG-1540				Soft AC: '94.3 Lite-FM'		
				NY	Remsen	94.1	W231DZ
					Contemporary Christian: 'Up Music Radio' // WRCK-1480		
				NY	Syracuse	105.9	WKLZ
					Changes calls from WXTL		
				NY	Troy	91.5	WRPI
					Is Silent		
				NY	Troy	105.3	WOOC-LP
					New station signs on with Variety		

NC	Edenton	100.1	WBXB	Urban AC: '100.1 The-B'	SC	Spartanburg	96.7	WSEJ-LP	New station signs on with Religious Teaching: 'EWTN'
NC	Inyokern, etc.	87.7	KLOA-LP	Country: 'Country Gold 87.7'	TN	Ardmore	105.1	W286DF	Country: 'The Outlaw' // WSLV-1110
NC	Wilmington	99.3	WZRF-LP	Is Silent	TN	Camden	95.9	WRJB	Hot AC: 'Magic 95.9'
ND	Grand Forks	103.3	K277DN	and	TN	Memphis	98.5	W253DF	Calls assigned to new station
ND	Grand Forks	107.9	K300BG	Talk/Sports: 'KNOX News Radio 1310 AM & 107.9 FM'	TN	Memphis	107.9	W300DE	Talk: 'The Mighty 990' // KWAM-990
OH	Ada	94.9	WOHA	Changes calls from WONB	TN	Millersville	106.7	WNFN	CHR: 'Hot 106.7'
OH	Cuyahoga Falls	96.1	WCFI-LP	New station signs on with Variety	TN	Nashville	103.3	WKDF	Country: '1033 Country'
OH	Wooster	90.9	WKWO	Contemporary Christian: 'K-Love'	TN	Oneida	105.5	WBNT-FM	Adult Contemporary/Country: 'The Hive 105'
OK	Locust Grove	94.5	KEMX	Rock: 'The Wolf 94.5 FM'	TX	Abilene	97.5	KYAB-LP	New station signs on with Spanish Religious
ON	Burlington	107.9	CJXY	Rock: 'Y 108'	TX	Amarillo	100.1	KZQA-LP	New station signs on with Spanish Religious
OR	DePoe Bay	98.3	K252EQ	News Talk: '1310 AM and 98.3 FM' // KNPT-1310	TX	Brownsville	104.7	KZQB-LP	New station signs on with Spanish Religious
OR	DePoe Bay	100.7	KPPT-FM	Classic Rock	TX	Bullard	94.3	KZXM	Returns to the air with Religious Teaching: 'The Well'
PA	Altoona	96.1	W241CQ	Classic Hits: 'Classic Hits 96.1' // WKMC-1370	TX	Burnet	95.9	KMPN	Religious Teaching: 'Keeping Him Close By'
PA	Lancaster	101.3	WROZ	Adult Contemporary: 'Fun 101.3'	TX	Conroe	102.5	KJHJ-LP	New station signs on with Spanish Religious
PA	Lansdale	98.5	W253CA	Is Silent, as is // WNPV-1440	TX	Corpus Christi	88.7	KPLV	Is Silent
PA	Lebanon	100.1	WFVY	Country: 'Froggy Valley 100.1'	TX	Crockett	92.7	KIVY-FM	Country: 'Real Country 92.7 FM - KIVY'
PA	Milton	94.5	W233CP	Is Silent, as is // WMLP-1380	TX	Crockett	102.9	K275AS	and
PA	New Columbia	102.3	W272ED	Is Silent, as is // WLYC-1050	TX	Crockett	105.5	K288HF	Adult Standards/Talk: 'America's Best Music 1290 AM and 102.9 FM' //KIVY-1290
PA	Philadelphia	104.5	WRFF	Modern/Alternative Rock: 'Alt 104.5'	TX	Garwood	97.3	KPUY	Format Not Available
PA	Waynesboro	100.9	W265DU	Sports/Talk: '100.9 The Line'	TX	Gilmer	95.3	KFRO-FM	Returns to the air with Religious Teaching: 'The Well'
PR	Mayaguez	107.9	WVPJ-LP	New station signs on with Religious Teaching	TX	Hempstead	94.1	KLTR	City of license move from Brenham
PR	Moca	93.7	WMAA-LP	New station signs on with Spanish Religious	TX	Laredo	92.1	KULD-LP	New station signs on with Spanish Religious
PR	San Juan	105.7	WJKL	Changes calls from WCAD	TX	Los Ybanez	98.5	KJJT	Is Silent
SC	Greenville	107.7	WGWY-LP	New station signs on with Religious Teaching: 'EWTN'	TX	Madisonville	98.9	K255AR	and
					TX	Madisonville	102.7	K274DB	Adult Standards: 'America's Best Music 1220 AM/98.9 FM' // KMVL-1220

TX	Marshall	92.3	KCUL
	Changes calls from KPRO		
TX	Mesquite	107.1	KBPM-LP
	New station signs on with Spanish Religious		
TX	Moran	104.1	KCKB
	Southern Gospel: 'Y 100.5'		
TX	Pearsall	103.3	KJAK
	Classic Hip Hop		
TX	Rancho Viejo	99.9	KRVT-LP
	Is Silent		
TX	Rockwall	104.1	KRWJ-LP
	New station signs on with Spanish Religious		
TX	San Antonio	96.5	KEPJ-LP
	Frequency change from 101.5		
TX	Sealy	90.7	KQLC
	Returns to the air with Religious Teaching		
TX	Wichita Falls	93.5	KZWF-LP
	New station signs on with Spanish Religious		

UT	Mona	92.9	KPUT
	Is Silent		
VT	Montpelier	103.3	W227DF
	Rock: 'Rock 103.3' // WSKI-1240		
VA	Clifton Forge	105.7	W289CQ and
VA	Covington	107.5	W298BQ
	Classic Hits: 'Hits 107.5' // WXCF-1230		
VA	Iron Gate	101.9	WJVR
	Classic Rock: '101.9 The River'		
WA	Prosser	95.3	K237GY
	Romantica // KZXR-1310		
WV	Berkeley Springs	92.9	WXDC
	Country: 'Good Times. Great Country'		
WI	Adams	106.1	WCWI
	Classic Hits/Classic Country: 'Wisconsin 106'		
WI	Waupaca	92.7	WDUX-FM
	Classic Hits: 'Lakes 92.7'		
WI	Waupaca	100.7	W264DX
	Is Silent, as is // WDUX-800		
WY	Jackson	96.3	K242BU
	Is Silent, as is KSGT-1340		





FM FACILITIES

JUNE 2020

This information is reprinted from Doug Smith's FM News Information posted in the [WTFDA Forums](#).
The [WTFDA FM Database](#) is also updated with this information.

Abbreviations:

CC – Call Change

CL – City of License

Cx – License Canceled

NS – New Station Granted

NW – New Station On The Air

PC-Power and/or 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

AL Auburn 97.3 WAUF-LP PC 26w/57m, 32-37-14/85-27-39
AL Calera 106.3 W292FO PG<110w/133m (WAMI-880 Opp via Internet)
AL Elba 101.1 WVVV PG>1.4kw/209m
AL Littleville 100.1 WLAY-FM PG 1.2kw/190m, 34-40-38/87-43-02
AL Muscle Shoals 105.5 WVNA-FM PG 1.6kw/190m, 34-40-38/87-43-02
AL Tuskegee 95.9 WTGZ CC (back) from WQSI
AL Union Springs 93.9 WQSI CC (back) from WTGZ
AK Eagle River 98.5 K253CA PG<7w/-7m, 61-06-26/149-44-01 (KAKL-88.5 Anchorage OTA)
AK Healy 96.3 KHRS NW 2.5w/-191m, 63-50-16/148-58-55
AK Unalaska 92.3 K276FF QC from 103.1, LC 250w-H/-127m, 53-51-37/166-30-34; CL from Seward. (KXBA-93.3 Nikiski via Internet)
AZ Show Low 99.7 KVBX-LP CC from KPKX-LP
AZ Vail 104.5 KXZK QC from 103.7, 299w/14m, 32-00-58/110-41-47
AR Forrest City 94.7 K234AB CX May 6th.
AR Van Buren 101.1 K266BS PC<92w/136m, 35-26-51/94-21-55 (KLRC-90.9 Tahlequah, OK. OTA)
CA Acton 88.3 KTCN PC 120w-H/-98m, 34-29-14/118-07-27
CA Arcadia 91.1 K216EM PC>99w/856m, 34-12-48/118-03-44 (KKLQ-100.3 Los Angeles OTA)
CA El Rio 103.7 KMLA PC 950w/248m, 34-18-09/119-13-45
CA Folsom 99.1 K256AG PG 250w-V/135m, 38-38-53/121-05-54 (KLVB-99.5 Citrus Heights OTA)
CA Fresno 93.3 KCFZ-LP PG<50w/28m, 36-43-47/119-41-39
CA King City 93.5 K228FT PG 215w/485m, 36-22-59/121-25-44 (KRKC-1490 via microwave)
CA Middletown 91.9 KLVR PG>800w/925m
CA Moss Beach 89.3 KMVS PC>43w/500m
CA Petaluma 94.5 K233CM PG<57w/78m, 38-20-10/122-32-07 (KSRO-1350 Santa Rosa via microwave)
CA Sacramento 103.1 KUTZ-LP PG>100w/10m, 38-34-38/121-28-41
CA San Diego 100.7 KFBB CC from KFMB-FM
CO Denver 102.7 K274DF Converted from circular polarization to vertical-only. (KPOF-910)

studio feed)

CO Gunnison 102.3 KVLE-FM PC>9.5kw/115m, 38-31-23/106-54-25
CO Rye 104.9 KWRV CC from KFVR-FM
CT Waterbury 106.3 W292FI NW 200w/52m, 41-33-49/73-03-21 (WWCO-1240)
DC Washington 89.3 WPFW PC 34kw/156m
FL Boca Raton 101.1 WRIZ-LP PC>100w/17m, 26-16-13/80-07-03
FL Cross City 88.5 WUFQ CC from WWLC
FL Daytona Beach 104.7 W284DQ PG 20w-V/71m, 29-10-25/81-09-25 (WHOG-FM 95.7 Ormond-by-the-Sea OTA)
FL Hialeah 92.3 WCMQ-FM PC 17kw/261m, 25-45-48/80-11-26
FL Largo 103.9 W280FD PG<14w/170m, 27-50-53/82-45-48 (WXYB-1520 Indian Rocks Beach)
FL North Miami Beach 95.7 WRMA PC 17kw/261m, 25-45-48/80-11-26
FL Tampa 90.9 W215CJ PC<25w-H/9m, 27-52-04/82-37-12 (WKES-91.9 Lakeland OTA)
GA Batesville 100.9 W265EH PG 99w/376m, 34-45-05/83-39-15 (WNEG-630 Toccoa via Internet)
GA Bowdon 105.3 WRDA CC from WBZY
GA Bowdon 105.3 WRDG CC from WRDA
GA Canton 105.7 WBZY CC from WRDA
GA Fort Valley 91.3 WJTG PG<100kw/120m
GA Rincon 100.1 WXYX PG>75kw/142m, 32-09-29/80-59-27
GA Union City 96.7 WRDA CC from WRDG
GA Woodstock 100.9 W265AV PC<105w/256m, 34-04-01/84-27-21 (WSTR-94.1 Smyrna OTA)
IA Ankeny 106.3 KXNO-FM CC from KDXA
IL Carthage 99.1 W256DZ QG from W226CH-93.1, 250w/91m, 40-24-32/91-10-13; CL from Macomb (WCAZ-1510 studio feed)
IL Springfield 88.3 WTTT CC from WQNA
IL Springfield 88.9 WTTT QC from 88.3, 200w/82m, 39-48-06/89-38-59
IN New Haven 101.3 WNHE-LP CC from WHNH-LP
IN Salem 94.5 W233AO PC>38w/64m, 38-33-44/86-04-37 (WAUZ-89.1 Greensburg OTA)
IN Terre Haute 99.9 WTHI-FM PG 38kw/173m, 39-20-13/87-27-59
KS Independence 102.9 KBIK PG>49kw/152m, 37-05-37/95-41-43
KY London 106.9 W295CC PC>250w/96m, 37-08-30/84-04-45 (WFTG-1400 London)
KY Louisville 100.9 WXND-LP CC from WCHQ-LP
LA New Iberia 91.7 K219DB Expires June 1st
MD Salisbury 89.5 WSCL PC 36kw/136m, 38-40-00/75-34-59
MI Albion 99.9 W260BH PG>250w/28m (WFPM-LP 99.5 Battle Creek OTA)
MI Grand Rapids 102.9 WYHA CC from WFUR-FM
MI Leland 94.3 WCMV-FM CC from WFCX
MI Pentwater 102.7 WMOM PG<2.65kw/95m, 43-51-33/86-18-25
MI Petoskey 98.9 WAWM CC from WKLZ-FM
MN St. James 101.5 KEMJ CC from KRRW
MN Winthrop 105.9 KRRW CC from KHRS
MO Bellefontaine 101.9 K270BW NW 250w/197m, 38-34-28/90-19-32 (KLJY-99.1 Clayton OTA)
MO Carthage 93.5 K228FS NW 250w/128m, 37-10-58/94-21-36 (KDMO-1490 via microwave)
NE Norfolk 107.5 K298AG Carrying Spanish-language COVID-19 information from KNEN-LD's

newsroom.

NE Omaha 90.7 KVNO LC 9kw/191m, 41-18-32/96-01-34

NJ Pompton Lakes 98.3 W252ED NW 50w/-30m, 40-58-53/74-17-05 (WGHT-1500 via Internet)

NM Moriarty 102.1 K271DC QG from K252FS-98.3, 250w-V/3m, 35-00-33/105-54-59 (KEMR-1090 Milan studio feed)

NM Raton 99.3 K252FI QC from 98.3, 10w-V/-168m, 36-53-33/104-26-31; CL from Jansen, CO. (KCRT-1240 Trinidad via Internet)

NY Hornell 106.9 W295CW NW 250w/-8m, 42-17-17/77-38-45 (WLEA-1480 studio feed)

NY Lancaster 100.1 W261EB QC from W262CM-100.3, 250w/90m, 42-57-18/78-39-05 (WECK-1230 Cheektowaga via W275BB)

NY Monroe 89.3 WLJP PC>1.6kw/283m

NY Mount Kisco 88.9 WWES PG>400w/19m, 41-14-46/73-40-31

NY Patchogue 95.1 W236DH PG<105w/33m, 40-47-45/72-59-30 (WLID-1370 via Internet)

NY Syracuse 105.9 WKLZ CC from WXTL

NC Bridgeton 107.5 W298DG QC from W282CQ-104.3, 200w/44m (WWNB-1490 New Bern OTA)

NC Morganton 100.9 W265DY NW 250w/7m, 35-47-41/81-43-11 (WCIS-760 via microwave)

NC Statesville 100.7 W264CU PG> 250W/387m, 35-50-00/80-42-14 (WSIC-1400 via Internet)

NC Warrenton 103.5 W278DC PG 250w/41m, 36-24-19/78-08-08 (WARR-1520 OTA)

OH Ada 94.9 WOHA CC from WONB

OH Celina 100.3 W262DC PG>250w/128m, 40-33-11/84-31-02 (WCSM-1350 via microwave)

OH Enon 103.3 W277AO PC>250w/65m (WULM-1600 Springfield via Internet)

OK Ada 93.9 K230BF PG>250w/42m, 34-49-33/96-52-41 (KIXO-106.1 Sulphur OTA)

OK Tahlequah 89.9 K210EY PG 46w-V/100m, 35-56-13/94-57-18 (WAIW-88.1 Wheaton, Ill. via satellite)

OR Grants Pass 97.9 K250BZ NW 250w/305m, 42-28-17/123-18-21 (KAGI-930 via Internet)

OR The Dalles 101.5 KJYV PG>480w-H/588m, 45-42-42/121-07-00

PA Altoona 96.1 W241CQ PG>250w/277m, 40-34-06/78-26-24 (WKMC-1370 Roaring Spring via Internet)

PA Latrobe 107.5 W247CX QR from 97.3 (WCNS-1480 via Internet)

PA New Wilmington 89.7 W209CQ PG 27w/57m, 41-05-22/80-20-26 (WYSU-88.5 Youngstown, OH OTA)

PR Mayaguez 106.9 W295BU PG>250w-H/335m (WZET-92.1 Hormigueros via microwave)

PR San Juan 105.7 WJKL PC<50kw/323m, 18-16-54/66-06-46

SC Greenville 92.5 WESC-FM NW 10kw/197m, 35-13-20/82-32-59 (aux)

TN Baxter 93.7 WBXE PG 7.2kw/188m

TN Johnson City 93.7 W229DH NW 250w/98m, 36-19-42/82-24-40 (WETB-790 studio feed)

TX Big Spring 103.9 K280GW NW 250w/108m, 32-13-13/101-26-26 (KBST-1490 via Internet)

TX Deweyville 96.9 K245BT PC>250w-V/92m, 30-21-02/93-36-12 (KGHY-88.5 Beaumont OTA)

TX Gilmer 95.3 KFRO-FM PG 9.5kw/161m, 32-36-51/94-52-28

TX Houston 101.7 K269GT PG>250w/154m, 29-53-43/95-26-21; CL from Humble (KBXX-97.9 via Internet)

TX Houston 92.5 K223CW PC>30w-H/302m, 29-45-30/95-22-08 (KJOZ-880 Conroe)

TX Lubbock 102.1 K271BW PG>50w-V/53m, 33-34-54/101-50-46 (KPGA-91.9 Morton via Internet)

TX Lubbock 92.3 K222CQ PG<250w/156m (KDAV-1590 via Internet)

TX Mexia 101.5 K268BQ PG<99w/29m, 32-26-26/96-51-24 (KWAA-88.9 Mart OTA)
TX Mount Vernon 100.5 KDDM CC from KEUT
UT Sevier 107.5 K298AW PG 185w/310m, 38-23-08/112-19-59 (KMXD-100.5 Monroe via microwave)
UT St. George 90.3 KLGU CC from KSGU
VT Barre 105.7 W289CH PC>250w/126m (WSNO-1450)
VA Burke 96.7 W244EB NW 150w/195m, 38-47-16/77-19-46 (WAVA-780 Arlington via Internet)
VA Christiansburg 94.3 W232CS PC>250w/169m (WKNV-890 Fairlawn via microwave)
VA Goochland 100.5 WJFN-FM CC from WJFN ("Maga Radio Network")
VA Lynchburg 101.7 WAWX PG>6kw/76m, 37-27-01/79-04-29
WA Tacoma 89.7 K209GA PG 250w/14m, 47-04-08/122-17-32 (KLSW-104.5 Covington OTA)
WV Beckley 100.7 W264DW PG 250w/339m, 37-55-41/80-58-11 (WVBD-100.7 Fayetteville via microwave)
WY Casper 88.3 KAIX PC>850w/559m
WY Rawlins 89.9 KUWI PG>9kw/322m, 41-40-53/107-14-13

Solar Minimum Continued from Page 3

Joanna Haigh, author of *The Sun's Influence on Climate*, who recently retired from the Department of Physics at Imperial College London, said that beneath the sun's normal 11-year cycle is "a longer term variation in solar activity when the sun goes between Grand Maxima and Grand Minima." This, she said, could be called a deep minimum. "The sun has been declining in overall activity recently, the number of days with zero sunspots is well above average, and some solar physicists have predicted that the sun is heading for another Grand Minimum," she told *Newsweek* in an email.

"The Earth's surface temperature during the Maunder Minimum was probably about 1 degree Celsius colder than the 19th century and that period is sometimes called The Little Ice Age. However it is difficult to ascribe all that cooling to the Sun because it just so happened that there were quite a few big volcanic eruptions during that period and they also have a cooling effect."

Haigh said in terms of global temperatures, the solar minimum is little to worry about. If anything, it could help slightly mitigate current anthropogenic warming. This effect will dissipate when activity on the sun picks up again, however.

Owens said he expects the sun's quiet period to come to an end in the near future: "Based on past solar cycles, I'd expect activity to pick up very soon, in the coming few months. But the Sun can always surprise us."



Southern FM DX

John Zondlo – 4009 Driftwood Circle – Yukon, OK 73099
southernfmdx@wtfda.org – Deadline: 20th
June 2020

Fred Nordquist – Moncks Corner SC - FM03AF

Sangean HDT-1X, AirSpy with SDR Console (v3.0.20), APS-13 antenna

5/22 Es 1431-1854 EDT TX/MXTA/MXYC/MXQR MUF: 107.1

Only many relogs and SS unIDs

5/25 Es 1106-1314 EDT TX/MXNL/MXTA/MXCI MUF: 97.9 (all new)

- 1113 KSHU 90.5 TX Huntsville, RDS PI: A452 929
- 1153 XHNLT 96.1 TA Nuevo Laredo, Raio Formula 1229
- 1200 KABA 90.3 TX Louise, ID, "Radio Aleluia" 1014
- 1223 XHK 90.9 NL Nuevo Laredo, RDS PI: 57AB – 'WBDR,' RT:...Larados 1228
- 1259 XHPCIE 90.5 CI Cuatro Ciénegas, RDS PI: 0005, PS/RT:...La Primera 1413

Also many relogs and SS unIDs. FM Log total to date = 4063

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

Sony XDR-F1HD, APS-9B @ 16'

5/25 Es

- 1059 KFRW 91.9 MT Great Falls, ID, American Family Radio
- 1115 KMWY 91.1 WY Jackson, Moody Radio
- 1120 KLKM 88.7 MT Kalispell, K-Love
- 1139 KVVR 97.9 MT Dutton, spots, weather from the Central Montana Radio Network

Had two separate Es clouds working this morning, the other one going to central Florida. I chose to go with the one to Montana/Wyoming. 73

Kegan, XNA DXer NW Arkansas

May 1, 2020

- 9:38 AM CDT - 91.9 FM - KASU Jonesboro, AR - NPR
- 11:04 PM CDT - 92.9 FM - KKBQ Pasadena, TX - "The New 93Q"
- 11:23 PM CDT - 100.3 FM - KILT Houston, TX - "100.3 The Bull"
- 11:28 PM CDT - 105.1 FM - KYKS Lufkin, TX - "Kicks 105", "kicks105.com" mentions
- 11:34 PM CDT - 90.3 FM - KEDT Corpus Christi, TX - NPR - callsign mention - New - S | 11:35 PM CDT - stream match
- 11:47 PM CDT - 98.1 FM - KTAL Texarkana, TX - "The Home of Rock and Roll", "98 Rocks"
- 11:52 PM CDT - 96.9 FM - KXBJ El Campo, TX - "KSBJ" - S | 11:53 PM CDT - stream match -
- 11:59 PM CDT - 89.9 FM - KDAQ Shreveport, LA - NPR

May 2, 2020

12:00 AM CDT - 100.3 FM - KILT Houston, TX - station ID - "100.3 The Bull"
12:28 AM CDT - 91.9 FM - KAVX Lufkin, TX
12:42 AM CDT - 89.1 FM - KFLO Blanchard, LA - "Miracle 89.1"
12:50 AM CDT - 104.1 FM - KRBE Houston, TX - "104.1 KRBE" - New
12:59 AM CDT - 88.7 FM - KUHF Houston, TX - NPR - station ID - leading into the BBC Wrld Service
1:52 AM CDT - 89.5 FM - KVNE Tyler, TX - "89.5 KVNE"
1:58 AM CDT - 98.5 FM - KTJM Port Arthur, TX - New - S | 2:00 AM CDT - stream match -
2:18 AM CDT - 97.7 FM - KALK Winfield, TX - "K-Lake 97.7"
2:59 AM CDT - 92.9 FM - KKBQ Pasadena, TX - station ID | 3:00 AM CDT - "The New 93Q"
3:11 AM CDT - 100.1 FM - KNRB Atlanta, TX - RDS: "KNRB"
3:45, 3:46 AM CDT - 98.9 FM - KTUX Carthage, TX - "Highway 98.9"
3:55 AM CDT - 93.1 FM - KTYL Tyler, TX - "Mix 93-1"
9:46 PM CDT - 92.9 FM - KKBQ Pasadena, TX - "93Q" brand mention

May 3, 2020

12:10 AM CDT - 100.3 FM - KILT Houston, TX - RDS: "100.3 The Bull"
12:11 AM CDT - 102.1 FM - KMJQ Houston, TX - Houston mention and "Majic 102.1" branding - New
12:20 AM CDT - 89.1 FM - KFLO Blanchard, LA - "Miracle 89.1"
12:20 AM CDT - 90.3 FM - KBJJ Jacksonville, TX - RDS: "KBJJ"
Around 12:23 AM CDT - 96.5 FM - KHMJ Houston, TX - RDS: "Mix 96.5" | 12:23 AM CDT -
"Houston's preset, Mix 96-5" - New
12:26 AM CDT - 98.9 FM - KTUX Carthage, TX - "Highway 98.9"
12:31 AM CDT - 89.5 FM - KVNE Tyler, TX - "89.5 KVNE"
12:35 AM CDT - 94.5 FM - KRUF Shreveport, LA - "Shreveport/Bossier's #1 Hit Music Channel K
94.5"
12:40 AM CDT - 93.1 FM - KTYL Tyler, TX - "Mix 93-1"
12:53 AM CDT - 98.1 FM - KTAL Texarkana, TX - "98 Rocks"
12:56 AM CDT - 91.9 FM - KAVX Lufkin, TX - "kavx.org" mention
1:01 AM CDT - 96.5 FM - KHMJ Houston, TX - station ID; "Houston's Best Variety", "Mix 96-5"
9:14 PM CDT - 107.5 FM - KGLK Lake Jackson, TX - Houston mentioned
9:19 PM CDT - 92.1 FM - KDQN De Queen, AR - Southwest Arkansas mention, "KDQN" - New
9:30 PM CDT - 92.9 FM - KKBQ Pasadena, TX - "93Q"
9:38 PM CDT - 93.9 FM - KOYN Paris, TX - East Texas mention
9:48 PM CDT - 96.9 FM - KXBJ El Campo, TX - "KSBJ"
9:54 PM CDT - 91.9 FM - KAVX Lufkin, TX - "91.9 KAVX"

May 9, 2020

8:00 PM CDT - 90.3 FM - CJLR-FM-4 Regina, SK - RDS: "MBC Radio"
8:03 PM CDT - 92.1 FM - CHMX Regina, SK - "my921.ca" - over local KQSM Fayetteville, AR
8:12 PM CDT - 94.1 FM - CIMG Swift Current, SK - "The Eagle 94.1"
8:31 PM CDT - 92.7 FM - KVCK Wolf Point, MT - 1009 miles - RDS: "KVCK" - KVCK on-air mention
at 8:34 - New

May 15, 2020

5:40 PM CDT - 88.9 FM - XHM Mexico City - RDS: "Noticias" - swapping with KAOW Fort Smith, AR - Bott Radio Network - Rotor antenna,
5:47 PM CDT - 88.7 FM - WOFN Beach City, OH - "You're listening to the Oasis network" - swapping with Classical KWTU Tulsa, OK -
6:45 PM CDT - 90.3 FM - XHITZ Tijuana, BC, Mexico - 714 area code mention | 6:56 PM CDT - stream match - Rotor antenna,

May 19, 2020

9:06 AM CDT - 89.1 FM - KMUW Wichita, KS - NPR - "kmuw.org" mention
9:21 AM CDT - 91.1 FM - KSMU Springfield, MO - NPR - mention of 'Fresh Air' at 3:00 PM on KSMU - during break; back to 'Morning Edition' from NPR News
10:00 AM CDT - 90.3 FM - KANQ Chanute, KS - NPR - "Kansas Public Radio", followed by station ID - "KPR" followed by NPR News
11:17 AM CDT - 89.1 FM - KWFC Springfield, MO - "KWFC"
3:41 PM CDT - 91.5 FM - KVAZ Henryetta, OK - Henryetta mentioned
3:49 PM CDT - 91.5 FM - KARF Independence, KS - Bott Radio, Kansas mentions
9:07 PM CDT - 89.5 FM - KVNE Tyler, TX - "89.5 KVNE"
9:19 PM CDT - 92.1 FM - KDQN De Queen, AR - station ID - De Queen mentions - over local KQSM Fayetteville, AR
9:23 PM CDT - 93.1 FM - KTYL Tyler, TX - "Mix 93-1", East Texas mention

May 22, 2020

1:34 PM CDT - 88.9 FM - WQCS Fort Pierce, FL - NPR - with classical music - RDS: "WQCS NPR"
1:39 PM CDT - 88.7 FM - WMYZ The Villages, FL - RDS: "Z88.3" -
1:41 PM CDT - 89.5 FM - WFIT Melbourne, FL - NPR - RDS: "WFIT FM" -
1:44 - 1:45 PM CDT - 90.7 FM - WMFE Orlando, FL - RDS: "Central Florida's NPR News Station" -
1:49 PM CDT - 90.3 FM - WEJF Palm Bay, FL - RDS: "WEJF" -
At or around 1:52 PM CDT - 92.9 FM - WMFQ Ocala, FL - RDS: "Q92.9 Ocala's Number 1 Hit Music Station" 1:53 PM CDT - swapping with KBEZ Tulsa, OK - RDS: "KBEZ"
1:59 PM CDT - 89.5 FM - WMFV Cedar Creek, FL - NPR - "You're listening to 89.5 WMFV Cedar Creek...You can find us online at wmfv.org. ...online at wmfv.org. This is Central Florida's NPR News station. 89.5 WMFV-FM Cedar Creek...The Villages. And streaming online at wmfv.org." - 2:00 PM
2:30 PM CDT - 89.1 FM - WSMR Sarasota, FL - Classical - RDS: "On WSMR"
2:32 PM CDT - 89.9 FM - WJCT Jacksonville, FL - NPR - RDS: "On WJCT" - with 'Science Friday' from WNYC studios - Ira Flatow
2:44 PM CDT - 89.5 FM - WAYJ Naples, FL - Fort Myers, FL mention
3:35 PM CDT - 90.3 FM - WLVF Haines City, FL - "Gospel 90.3" - 863 area code mention
4:53 PM CDT - 93.1 FM - WFEZ Miami, FL - Miami mention - "Easy 93.1"
5:13 PM CDT - 93.9 FM - WMIA Miami Beach, FL - "93.9 MIA South Florida news update"
5:23 PM CDT - 94.1 FM - WLLD Lakeland, FL - Tampa mention

5:42 PM CDT - 94.1 FM - KKPT Little Rock, AR - "The Point 94.1" - "Central AR's classic rock station"

7:10 PM CDT - 89.5 FM - KVNE Tyler, TX - "89.5 KVNE"

11:59 PM CDT - 89.1 FM - KMUW Wichita, KS - NPR - station ID

May 25, 2020

8:56 AM CDT - 89.1 FM - WSMR Sarasota, FL - Classical - RDS: "On WSMR"

9:41 AM CDT - 93.1 FM - WKRO Port Orange, FL - RDS: "93.1 Coast Country"

Around 9:55 AM CDT - 99.3 FM - WLRQ Cocoa, FL - "Lite Rock 99.3" - New

9:59 AM CDT - 89.5 FM - WFIT Melbourne, FL - NPR - RDS: "WFIT FM" | 10:00 AM CDT - station ID

10:00 AM CDT - 90.3 FM - WEJF Palm Bay, FL - RDS: "WEJF"

10:19 AM CDT - 88.9 FM - WQCS Fort Pierce, FL - NPR - with classical music - RDS: "WQCS NPR"

10:19 AM CDT - 88.9 FM - WYFE Tarpon Springs, FL - Religious - RDS: "WYFE BBN"

10:30 AM CDT - 89.3 FM - WRMB Boynton Beach, FL - Moody Radio - New - over local KAYH

Fayetteville, AR - Bott Radio

10:32 AM CDT - 92.3 FM - WCMQ Hialeah, FL - RDS: "92.3" "WCMQ" - New

10:36 AM CDT - 92.5 FM - WFSX Estero, FL - FOX News - RDS: "FOX News" - mentioned NPR

10:39 AM CDT - 89.5 FM - WAYJ Naples, FL - southwest FL mention | 10:40 AM CDT - "WAY-FM" mention

10:44 AM CDT - 89.1 FM - KMJB Hudson, WY - Pilgrim Radio mention - RDS: "Pilgrim" -

10:45 AM CDT - 89.1 FM - KHOL Jackson, WY - RDS: "KHOL-FM" - New

10:52 AM CDT - 89.7 FM - KUWE Evanston, WY - NPR - RDS: "WPR"

11:00 AM CDT - 89.1 FM - KNWT Cody, WY - "...streaming worldwide at wyomingsounds.org."

11:04 AM CDT - 89.1 FM - UnID - mention of NPR's 'All Things Considered' "...today at 4 'til 7 on Wyoming Public Radio."

11:10 AM CDT - 91.9 FM - KBWE Burley, ID - RDS: "KBWE91.9" - New | 11:13 AM CDT - Idaho governor reference - PSA

12:00 PM CDT - 90.3 FM - KBSU Boise, ID - Classical - station ID -

12:19 PM CDT - 88.9 FM - XHM Mexico City - RDS: "Noticias" -

12:22 PM CDT - 89.1 FM - XHPMQ Puerto Morelos, Quintana Roo, Mexico - RDS: "Magica" -

12:27 PM CDT - 89.9 FM - XHRB Cozumel, Quintana Roo, Mexico - Quintana mention -

12:32 PM CDT - 90.7 FM - XHQOO Cancún, Quintana Roo, Mexico - RDS: "Imagen" -

12:49 PM CDT - 91.9 FM - XHMET Temozon, Yucatán, Mexico - RDS: "XHMET" -

1:23 PM CDT - 89.1 FM - KFLO Blanchard, LA - "Miracle 89.1" -

1:59 PM CDT - 90.3 FM - KBJs Jacksonville, TX - KBJs mention -

2:41 PM CDT - 88.9 FM - XHM Mexico City - RDS: "En 88.9 Noticias Informac Que Sirve Inaki Manero" -

3:00 PM CDT - 88.1 FM - XHRED Mexico City, Mexico - station ID -

3:01 PM CDT - 89.7 FM - XHID Álamo, Veracruz, Mexico - RDS: "XHID" -

3:32 PM CDT - 93.1 FM - XHCSV Coatzacoalcos, Veracruz, Mexico - RDS: "MAXIMA" -

3:43 PM CDT - 98.5 FM - XHDL Mexico City, Mexico - -

3:44, 3:45 PM CDT - 89.1 FM - XHAVR Alvarado, Veracruz, Mexico - Veracruz mentions -

3:59 PM CDT - 94.1 FM - XHHGR Villahermosa, Tabasco, Mexico - station ID - RDS: "Formula" - New -



Coast to Coast TV DX

Featuring reports from the entire United States and all of Canada.

Send reports by the 15th of each month to:
Nick Langan
42 Holly Park Drive
Tabernacle, NJ 08088
E-mail: nickl@wtfda.org

The Editor's Note

It has been, let's just say, a peculiar start to the E-Skip season across the continent. There have been a couple more fairly solid openings from the west coast to the plains states, including on the 17th and 25th of May. The east coast, for all intents and purposes, has gone nearly skipless for the month, though activity is trying as I write this. More and more, May seems to be becoming less of a skip month, if recent trends are any indication. Let's hope for an action-packed June!

Jeff Kruszka
Houston, TX

DX Report 2020

4/21/20

10:14 pm KTXA-18 Ft. Worth TX 250 Tr 21-1
psip only

11:04 pm KVDA-38 San Antonio TX 195 Tr 60-3
COZI brief picture

11:34 pm KVTX-LP-45 Victoria TX 116 Tr psip
only

11:54 pm WUPL-17 Slidell LA 334 Tr 54-1 psip
only

4/22/20

8:35 am KLWB-17 New Iberia LA 210 Tr 50-1
MeTV solid picture

5/3/20

7:10 am KENS-29 San Antonio, TX 195 Tr 5-1
psip only

All are new. We had some strong Gulf tropo at the end of April, but being limited to only 3 open channels now on UHF makes things very limited for

DXing. I may have been the last DXer to see KVDA before they moved to 15. Chris Dunne in FL was trying for them and got signal bars, but no psip.

Jeff

Glenn Hauser

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<http://worldofradio.com/tvdxfoto.html>

All times and dates strictly UT = CDT+5

** OKLAHOMA. RF 23, March 30 circa 1525 UT, underpowered KSBI OKC is decoding thru one of my antennas with a little tropo help, viz.: 52-1 KSBI-DT, 52-2 BOUNCE, 52-3 LAFF, 52-4 GRIT, 52-5 MYSTERY, each PSIP all-caps. This matches rabbitears.info with 52-1 as MyNetwork, but not a.k.a. nickname ``News 9 Plus`` --- that's only on RF 25, KWTW 9-2.

52-1 takes CBS programming sometimes when bumped off KWTW 9-1, especially tornado season and now CV to boot (Glenn Hauser, OK, WOR)

** OKLAHOMA. Convolutd tropo blobs over OK forecast by Bill Hepburn, so I bandscan from 1513 UT April 8: Lots of BAD signals on open channels including RF 45, no doubt KOTV Tulsa, but only two are decoding, from Tulsa market:

RF 28, 44-1 Ion
RF 20, 19-1 KQCW-HD during Dr Oz show. This one in solid until finally starts to break up and lose out at 1705 UT. And BTW has *no* subchannels, unusual waste of spectrum but assures its only program can be as HD as possible (Glenn Hauser, Enid, WOR)

** U S A. I know something is up at 1458 UT April 7, as KHCC Radio Kansas is overriding 90.1 KUCC OKC, impossiblizing hearance of `StarDate`; but another chance will be at 2358 UT. Level 5 strong tropo bullseye right over central OK as of 1500 UT is predicted by Hepburn, so I hasten to bandscan, April 7 from 1545 UT.

Almost all ``open`` DX channels have a BAD signal on them, in the repack range 7-37, plus 45, no doubt still KOTV Tulsa; except nothing on 34 and 9; and two `local` OKC channels are BAD, caused by DX QRM, 7 and 15. 15 would most likely be KSNW Wichita, ex-45. 7: full-powers still exist in Hays and Pittsburg KS; Amarillo, Austin, Odessa, Tyler TX plus numerous low-powers;

nothing in OK except KOCO.

I sit on RF 32 which shows signs of reaching decode threshold, and it does briefly at 1620, with a CW 33 bug in LR, and PSIP as 33-1 KDAF-DT --- that`s 780 kW in Dallas TX; gone before I can check out its subchannels.

RF 26, April 7 at 1625, this one decodes as 24-1 FOX, which isn`t very helpful, but must be 350 kW from the opposite direxion, KSAS-TV Wichita; subs are 24-2 TBD and 24-3 Comet; contrary to W9WI.com which has 24-2 as GetTV. The only other 24-1 Fox on RF 26 is Macon GA, no way here (Glenn Hauser, OK, WOR)

** OKLAHOMA. RF 23, KSBI ``52``, April 19 at 1300-1430+ is carrying `CBS Sunday Morning`, which has been shunted here from RF 25 KWTW

``9`` because the big 4 OKC TV stations are all carrying a pre-recorded commemoration at the 25th anniversary of the OKC bombing --- normally they would all go live for the ceremony including reading names of all 168 victims. At least KWTW provides this alternative on its sub-station. I believe I previously denied that 52 is known as ``News 9 Plus``, but now I see such an ID slide at breaks, at least when it is carrying KWTW programming (Glenn Hauser, OK, WOR)

Until the next, 73 de Glenn



DATE	NAME	S/P	EXP
5/1/2020	Richard Lucas	NY	6/21
5/1/2020	William Thompson	MD	4/25
5/2/2020	Fred Nordquist	SC	5/21
5/8/2020	Doug Allen	SC	5/21
5/15/2020	Dan Dankert	CA	5/21
5/15/2020	Jon Klingerman	PA	5/21
5/15/2020	Mike Hunter	NJ	5/21
5/16/2020	Kurt Nelson	NJ	5/21
5/19/2020	Michael Temme-Soifer	NJ	5/21
5/20/2020	Gary Oneal	LA	6/21
5/20/2020	Ed Phelps	KY	5/21
5/20/2020	Rod O'Connor	ME	5/21
5/20/2020	Nick Langan	NJ	4/21
5/20/2020	Eric Bueneman	MO	5/22
5/22/2020	Paul Snider	ON	5/21
5/29/2020	Sheryl Paszkiewicz	WI	5/21
5/29/2020	Jerry Bond	NY	5/21
5/29/2020	Owen P. Wood	PA	5/21

Thank everybody for their support of the WTFDA. We have one new member this month and that person is Gar ONeal. Gary lives in Marrero, LA. I would think that Marrero is a great place to look for trans-Gulf tropo. If I remember correctly, way back we had a member from Marrero whose name was Ron LeBlanc and he did very well with TV DXing from there back in the analog days.

This continues on page 31.

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MAILBOX CONTINUES FROM PREVIOUS PAGE 30

As this is being written on May 30th, a Saturday, skip has been bubbling up into the FM band during parts of the day and so far I've heard six stations via Es. I will try to keep optimistic about the skip season this year. Who knows, it might just turn out okay.

Here's a note from Bob Cooper regarding the lowband Es list in last month's VUD. Bob writes "Noticed in Es listing (May) of potential Es targets the ONLY original pioneers still operating as they would have been (call letters, channel) when the 1948-1952 FCC "freeze" came off:

1/ WHBF 4 Rook Island 2/ WOI -5 Ames; 3/ WMC - 5 (originally WMct) Memphis; 4/ WRGB = 6 (STA?) 5/ WPVI (was WFIL, STA?) -6.

Out of 108 pre-freeze CPs that actually got on the air, these are the "grandfathers" remaining (on low band anyhow). "

Al Tobia sends along a video of a TV antenna being changed during the repack. I don't know what station this is. You'll have to watch the video. Here's the link <https://bangshift.com/general-news/videos/skycrane-and-skyline-changing-out-a-television-transmitting-antenna-over-a-quarter-mile-up/>

And Rod O'Connor left a note on his renewal form that this year makes year 44 for him in the WTFDA. He's also the proud user of a new Sangean HDR-16.

And that's a wrap for June. See you next time.
-Mike