

Merry Christmas and Happy New Year to all!

December 2024 #2



Merry Christmas and Happy Hanukkah to all! We would like to welcome four new members to the WTFDA; David Potter (Newberry, FL), Isaiah Schindler (Hays, KS), Glenn Sims (Bartow, FL) and Vincent Ferme (Ottawa, ON). We're glad to have all of you here and welcome back, Vince.

SURVEY TALK. Some of the survey comments concerned TV News and the lack of facilities information. To be honest, Mr. TV News was Doug Smith. Doug is a ham and an engineer in Nashville who supplied TV info to the VUD for at least 24 years until he got married recently and had to give up the column back in June due to circumstances beyond his control. His departure created a void that probably will never be filled. (And if you're reading this, Doug, thank you again.) But after 24+ years of editing that column, he's secretly probably glad that he's done with it :-)

So, what would it take to get TV News back again? It would take someone to step forward to resume the column. That individual should be interested in the material, willing to put in the time to do research (or know where to find it already), know how to type and be willing to send in a column every month. Is there someone?

HEADS UP! From Scott Fybush NERW (11/19) **The three DTV stations occupying the lowest channel slots in the tri-state area are all looking to mutually increase power, and they've told the FCC they've all agreed to accept a smidge of mutual interference in order to go up to 45 kW. The agreement includes Maranatha's WDPN (Channel 2) serving Philadelphia, Weigel's WJLP (Channel 3) from New York City and Faith Broadcasting's WACP (Channel 4), licensed to Atlantic City and transmitting from the Waterford Works tower in south Jersey.**

WYSC 102.7 TOWER COLLAPSE (11/12/24). WYSC(FM) is presently off air due to a complete tower failure. The station believed it had survived damage from Hurricane Helene which impacted Florida and parts of Georgia and North Carolina on September 27, 2024. Spotters could see the tower intact following the storm, but the station went off air unexpectedly several weeks later, on October 22, 2024. Investigation in this rural area on October 23, 2024 revealed that the tower had come down. Closer examination revealed damage to guy wires caused by downed trees that had apparently occurred during the recent Hurricane.

WINO AIN'T SO WONDERFUL. From George Carlin's favorite station....Wonderful WINO 91.9. After losing our lease at the original site for this facility, financial hardship made finding a new site impossible. We filed for and were granted a silent STA in November of 2023. Following a search for an acceptable site, we began programming under an engineering STA. A resumption of operations was filed. However, due to continued financial constraints, programming concluded at 17:02 on 11/7/2024.

That's all, folks! -Mike

Digital radio OK'd FCC votes unanimously to back ABC-Viacom venture to upgrade medium.

October 10, 2002: 10:18 AM EDT

WASHINGTON (AP) - Federal regulators gave the go-ahead Thursday for digital radio, approving a plan to modernize the medium with better sound and new features for personalized programming.

The Federal Communications Commission voted 4-0 to adopt digital radio technology created by iBiquity Digital Corp., a company backed by large broadcasters including Walt Disney Co.'s ABC and Viacom.

The commissioners enthusiastically endorsed the technology, saying it will benefit the industry and consumers. "We don't get many items where it's a win-win for everyone. There's no down side," Commissioner Kathleen Abernathy said.

Radio has changed little for decades. FCC Chairman Michael Powell said he's heartened that such a dramatic leap forward in technology is in store.

"I'm thrilled and excited to see the radio wagon train finally get to the other side," he said.

The approval allows radio stations to immediately begin broadcasting digital signals, though it probably will take a few months for the first stations to start.

Manufacturers plan to sell digital receivers for car stereos and high-end audio systems starting next year, adding about \$100 to the price of a traditional unit. It's unclear how soon digital technology will be included in portable radios.

(A day that will live in infamy.)

THE TIME TUNNEL...September 2001

Last month we told you that Bill Nollman had bought more RDS Managers. We also said that this was the last batch and we were correct. Bill wants everyone to know that you can purchase an RDS Manager from him by mail or email. The price for the RDS Manager is \$50 payable by check or money order in US dollars and made payable to WiNN Technologies and sent to WiNN Technologies, LLC c/o Bill Nollman, 11 Hidden Oak Drive, Farmington, CT 06032 USA. You can also email Bill at lsnwnn@home.com. Please be advised that Bill will most likely be on the road until the end of September and will answer all inquiries when he returns. Bill also offers other additional services like PC/serial mod for using the RDS Manager with your computer, finding a tuners mpx connection and other modifications.

9-2001

ORIONIDS METEOR SHOWER RECEPTIONS

Bill Hohnstein

While I am new to meteor scatter DXing, I have been mostly casually FM DXing for 57 years. I thought that I would provide a report on my meteor scatter receptions during the Orionids shower.

I was more concerned about reception quality rather than quantity. Due to the reduced sensitivity and overload of my RSPduo SDR I instead used up to four TEF6686 receivers. Two were almost always in the auto-scan mode while connected to RabbitEars. The other two were available for single frequency monitoring. Given the unbranded nature of TEF6686 radios, I'm not sure of the electrical differences between the different physical models. I just measured the detailed parameters of my first silver case version with small silver buttons. I know that the one silver one that I accidentally obtained having larger colored buttons overloads more easily than the others.

During the middle of the shower, I decided to add an antenna specifically for MS receptions. I had a NOS 6-element RadioShack 15-2163/Antennacraft FM6 antenna available. I originally mounted it on a tower 45' high at a 60° angle. 60° is what modeling showed to be the best angle for mid to high elevation reception with the antenna mounted at that height. Mounted that way the antenna's directivity was not the best. I did not have any MS receptions using it. I remounted it to ground level at 45°.



Mounted like that, modeling showed that including the reflector element did not change the antenna's directivity or gain. That was good since using it would present mechanical issues. The antenna was mounted to the tower at the point where the reflector was 9 inches high. The tower and ground radials might be acting as a marginal corner reflector. I have not tried completely modeling that large area. The interference from more distant local stations is now gone and it does much better receiving MS signals now. Usually only it or my high Yagi (not both) receives a MS signal with the closer signals being received by the ground mounted antenna.

I use two other antennas for FM reception. I have a ten-year-old home brew 10 element Yagi with a 20' boom at 96' high. It was made for reception of TV channel 6 and FM from 88 - 94 MHz.

Last year I complemented that with a 14 element Yagi with a 30' boom for 94 - 108 MHz at 81' high.

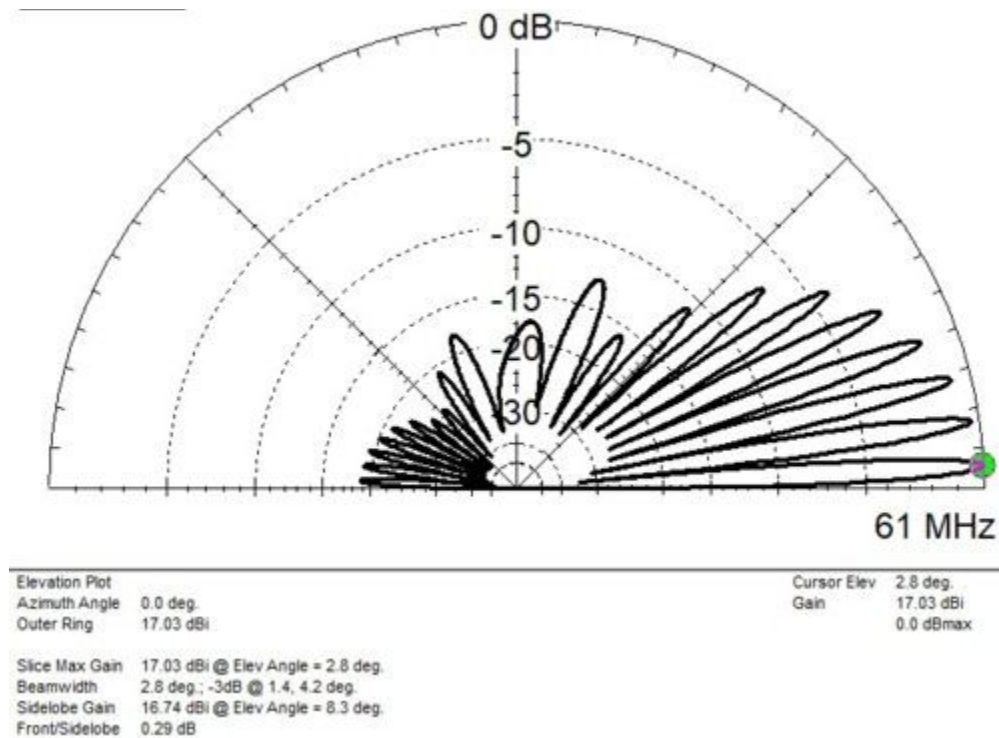
The chart below shows my scatter receptions. **Ant** identifies the antenna used by listing the number of elements. The **Day** shows the November/October day that the reception was made. Hopefully I got all the times converted correctly to UTC. I had two different short receptions on the 7th.

ORIONIDS METEOR SCATTER

| Freq | Calls | City | State | Azmth | Miles | Day | Time | RDS | Ant |
|-------|-----------|---------------|-------|-------|-------|-----|------|------|-----|
| 96.7 | WCKK | Walnut Grove | MS | 141 | 703 | 7 | 1428 | 5AFE | 6 |
| 96.7 | WCKK | Walnut Grove | MS | 141 | 703 | 7 | 1405 | 5AFE | 6 |
| 98.7 | KSPF | Dallas | TX | 180 | 579 | 6 | 1240 | 4113 | 6 |
| 89.5 | WYFS | Savanna | GA | 120 | 1063 | 6 | 0700 | 949C | 10 |
| 97.1 | KVRP | Haskell | TX | 197 | 561 | 5 | 2045 | 493D | 6 |
| 102.1 | KPQ | Wenatche | WA | 298 | 1234 | 5 | 1430 | 9993 | 14 |
| 90.1 | KTXI | Ingram | TX | 189 | 759 | 5 | 1235 | 448A | 6 |
| 90.1 | WABE | Atlanta | GA | 122 | 855 | 4 | 1345 | | 10 |
| 88.7 | WDLV | Fort Myers | FL | 134 | 1335 | 4 | 1020 | 5DC7 | 10 |
| 94.7 | WDSD | Dover | DE | 89 | 1138 | 4 | 0304 | 1E6B | 14 |
| 102.9 | WFMA | Marion | AL | 134 | 772 | 3 | 2150 | 6314 | 14 |
| CH 2 | WDPN | Wilmington | DE | 86 | 1144 | 3 | 1918 | DTV | 9 |
| 97.1 | CKFI | Swift Current | SK | 325 | 828 | 30 | 2215 | | 14 |
| 98.7 | KXTN | Victoria | TX | 180 | 839 | 30 | 1140 | 448F | 14 |
| 88.7 | KUHF | Houston | TX | 173 | 792 | 28 | 0000 | 458B | 10 |
| 88.7 | CKSB-FM-2 | Saskatoon | SK | 333 | 892 | 27 | 1002 | B205 | 10 |
| 98.7 | WSMW | Greensboro | NC | 105 | 989 | 25 | 2358 | 857E | 14 |
| 88.7 | KUHF | Houston | TX | 173 | 792 | 20 | 1205 | 458B | 10 |
| 88.7 | KTCU | Fort Worth | TX | 182 | 571 | 20 | 0310 | 4274 | 10 |
| 88.7 | KAJT | Ada | OK | 177 | 428 | 20 | 0300 | A1FD | 10 |
| 89.5 | WAYJ | Naples | FL | 135 | 1350 | 15 | 1820 | 5721 | 10 |
| 89.5 | WPCS | Pensacola | FL | 141 | 891 | 15 | 1405 | 7C8A | 10 |

There were countless short MS receptions where the RDS PI was not captured but the easily understood audio did not point to its identity. I was lucky with WABE. The only audio received from it was "... on WABE. Now the news ..." That was it! But obviously quite enough.

There was Es reception on TV channels 2 and 3 on November 3rd. But there were two short receptions of WDPN at 1918, each of typical MS length with rapid picket fencing fluttering on its audio. Below is the elevation pattern of my 9-element channel 2 & 3 Yagi with a 24' boom at 86' high.



That left me wondering if an east traveling meteor could have caused that reception with the path jumping from elevation lobes. Only my Insignia/Zenith tuners could receive it. Those can hang on to very weak signals. My HDHomeRun tuners could not receive it.



THE GEMINIDS

Predicted peak: is [predicted**](#) for [21 UTC](#) on December 13, 2024.

When to watch: Since the radiant rises in mid-evening, you can watch for Geminids all night around the peak dates of December 13. However, an almost full moon will compete with the [Geminids](#) in 2024. Luckily, a lot of Geminid meteors are bright. Find a way to block out the bright moon when watching the sky.

Overall duration of shower: November 19 to December 24.

Radiant: Rises in mid-evening, highest around 2 a.m. See chart.

Nearest moon phase: In 2024, the [full moon](#) falls on December 15. So there will be a moonlit sky during the peak of the 2024 Geminid meteor shower.

Expected meteors at peak, under ideal conditions: Under a [dark sky](#) with no moon, you might catch 120 Geminid meteors per hour.

Note: The bold, white, bright Geminids give us one of the Northern Hemisphere's best showers, especially in years when there's no moon. They're also visible, at lower rates, from the Southern Hemisphere. The meteors are plentiful, rivaling the August Perseids.

FCC GRANTS AND ACTIONS

From fcc.today and the FCC

December 2024

| | | | | |
|----------|-------|------------------|----|--|
| KGAR | 91.3 | Glennallen | AK | initial calls for new station |
| WDLG | 90.1 | Grove Hill | AL | ERP from 650w to 1100w, HAAT from 142m to 136m |
| KNCB-FM | 105.3 | Vivian | AL | resume operations, was silent |
| K231DE | 94.1 | Birmingham | AL | ERP drops from 29w to 16w |
| W273CX | 102.5 | Huntsville | AL | New Primary: WDRM-HD2 |
| DK255DM | 98.9 | Marshall | AR | License canceled |
| KQWM | 89.3 | Mena | AR | Ex KAWX |
| K206DK | 89.1 | Bullhead City | AZ | ERP raises to 250w-V from 80w |
| KDXU-FM | 106.1 | Colorado City | AZ | ex KXFF |
| DKYGS-LP | 105.5 | Nipomo | CA | license canceled |
| K280GL | 103.9 | Chico | CA | resume operations, was silent |
| K263BH | 100.5 | New Auberry | CA | New Primary: KFCF 88.1 |
| K253AD | 98.5 | Oceanside | CA | New Primary: KLVJ-HD3 |
| K201JE | 88.1 | Richvale | CA | resume operations, was silent |
| KWIE | 101.3 | Barstow | CA | Silent 11/3/ equipment failure |
| NEW | 106.1 | San Diego | CA | 50w/-15m, 32-45-09/117-14 -46 |
| KCVV-FM | 92.1 | Cottonwood | CA | Ex KZTZ |
| KSOA | 90.5 | South Dos Palos | CA | COL from Soledad |
| K258BI | 99.5 | Gunnison | CO | Silent 11/3, financial difficulties |
| K254BB | 98.7 | Gunnison | CO | Silent 11/4, financial difficulties |
| KSHY | 89.5 | Nothrop | CO | Ex KRKY-FM |
| W276BV | 103.1 | Greenwich | CT | resume operations, was silent |
| WJZX-LP | 94.5 | Crestview | FL | ERP drops to 30 watts |
| W231DH | 94.1 | Gainesville | FL | New Primary: WXJZ-HD2 |
| W285FE | 104.9 | Jacksonville | FL | resumed operations, was silent |
| NEW | 90.1 | Homestead | FL | 100w/29m, 25-29-50/80-26-58 |
| NEW | 104.3 | Port Saint Lucie | FL | 100w/5m, 27-16-32/80-20-06 |
| W247AY | 102.7 | Deltona | FL | Silent 10/21 flood damage Hurricane Milton |
| W270DH | 101.9 | New Port Richey | FL | Silent 10/15 primary (WPSO 1500) off due to Hurricane Milton |
| W263BO | 100.5 | Key West, etc. | FL | resumed operations, was silent |
| WTHB-FM | 96.9 | Wrens | GA | Mod, 2.1kw/244m, 33-15-33/82-17-08 |
| WNGA | 90.3 | Dahlonega | GA | initial calls for new station |

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|---------|-------|-----------------|----|---|
| W261BR | 100.1 | Alma | GA | Silent 9/27 tower collapsed |
| WYSC | 102.7 | Mcrae | GA | Silent 10/22 tower collapsed |
| WVSO | 90.7 | Collins | GA | ERP raised to 11kw/107m from 9kw |
| WBWK-LP | 95.7 | Brunswick | GA | 100w/12m, 31-09-32/81-29-39, initial calls |
| KLHH | 90.7 | Hanapepe | HI | raise HAAT from 105 to 112m |
| DKLHH | 90.7 | Hanapepe | HI | License canceled |
| KDVM | 89.3 | Mason City | IA | ERP raised to 280w from 150w, HAAT 68m from 27m |
| KDAO-FM | 92.9 | Eldora | IA | ERP raised from 6kw to 13.5kw |
| KDVM | 89.3 | Mason City | IA | ERP drops to 240w/32m from 280w |
| KDGR-LP | 106.7 | Dyersville | IA | initial calls for new station |
| K269FQ | 101.7 | Montpelier | ID | ERP raised to 250w from 115w, coord change |
| W292FC | 106.3 | Beardstown | IL | Silent 10/28 transmitter failure |
| WPWM | 90.9 | Wheatfield | IN | ERP drops to 1.8kw/76m from 95kw/57m, new coordinates |
| WZMM | 88.9 | Oolitic | IN | Ex WMYJ |
| NEW | 105.3 | Bloomington | IN | 31w/53m, 40-31-15/ 89-07-02 |
| KPIT | 91.7 | Pittsburg | KS | resume operations, was silent |
| K208GH | 89.5 | Healy | KS | Silent 11/8 equipment failure |
| WHCV | 89.9 | Hazard | KY | initial calls |
| KLPI | 89.1 | Ruston | LA | Silent 11/7, water in coax |
| KIEE | 88.3 | St. Martinville | LA | Silent 9/11 Hurricane Francine damage |
| W249EK | 97.7 | Hammond | LA | Ex 93.7 (W279DB) |
| NEW | 96.5 | Worcester | MA | new cp, 100w/28m, 42=31=11/71-40-14 |
| WBSQ | 91.1 | Monson | ME | ERP 2.7k/139m from 1.8k/172m |
| NEW | 90.9 | Kinde | MI | New CP, 150w/29m |
| WMTU-FM | 91.9 | Houghton | MI | resume operations, was silent |
| K224FW | 92.7 | LaCrescent | MN | moved from 92.5 (W223DN) |
| WELY-FM | 94.5 | Ely | MN | resumed operations, was silent |
| KHWW | 88.3 | Fairmont | MN | initial calls for new station |
| KQMG-FM | 95.3 | Independence | MO | Silent 8/2/24, extended STA, new transmitter ordered |
| NEW | 101.3 | Campbell | MO | new CP, 100w/21m, 36-30-47/90-06-25 |
| KRGJ | 88.1 | Fidelity | MO | ERP raised to 10kw/62m from 1.25kw/83m |
| K297AN | 107.3 | Monett | MO | Silent 10/24 tower fell |
| KCKG | 89.5 | Richland | MO | license canceled |
| KFDS-FM | 92.5 | Mountain Grove | MO | ex KELE-FM |
| KOLP | 90.5 | Windsor | MO | ERP drops from 11.5k H&V to 6k V only, new coords |

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|----------|-------|---------------------------|----|---|
| KBFL-FM | 93.7 | Fair Grove | MO | ERP drops from 3.1kw to 1.1kw, new coordinates |
| KBFL-FM | 93.7 | Fair Grove | MO | ERP drops from 3.1kw to 1.1kw, new coordinates |
| KCVY | 89.9 | Cabool | MO | ERP 11.5kw/146m from 10.5kw/151m |
| KDKD-FM | 95.3 | Clinton | MO | Silent 10/30 unknown technical problems |
| WLWZ | 103.7 | Collins | MS | CP, 17.5kw/113m, 31-30-05/89-28-33 |
| DKBWG-LP | 107.5 | Browning | MT | license canceled |
| KEOP | 88.9 | Browning | MT | ERP drops from 1kw to 700w/134m |
| KWRR | 90.3 | Heart Butte | MT | initial calls |
| KUFB | 90.7 | Little Browning | MT | initial calls |
| KIPP | 90.7 | East Glacier Park Village | MT | initial calls |
| W298CL | 107.5 | Beech Mountain | NC | Silent 9/27 damage from Hurricane Helene |
| WATG | 90.3 | Robbinsville | NC | ex WLET |
| W228CV | 93.5 | Chapel Hill | NC | New Primary: WQDR 570 via WQDR-FM-HD3 |
| W262CZ | 100.3 | Raleigh | NC | New Primary: WQDR 570 via WQDR-FM-HD3 |
| W227CZ | 93.3 | Durham | NC | New Primary: WQDR 570 via WQDR-FM-HD3 |
| W279EJ | 103.7 | Hillsborough | NC | New Primary:WQDR-FM via WQDR-FM-HD2 |
| W284CD | 104.7 | Youngsville | NC | New Primary:WQDR-FM via WQDR-FM-HD2 |
| W284CP | 104.7 | Raleigh | NC | New Primary:WQDR-FM via WQDR-FM-HD2 |
| W254AS | 98.7 | Rolesville | NC | New Primary:WQDR-FM via WQDR-FM-HD2 |
| W225DF | 92.9 | Raleigh | NC | New Primary:WPTF 680 |
| W251CA | 98.1 | Rolesville | NC | New Primary:WPTF 680 |
| W298DB | 107.5 | Smithfield | NC | New Primary: WPTF 680 |
| WGIW | 89.7 | Pilot Mountain | NC | Silent 4/10/24 and extended 11/18 xmsn line problems |
| K224FJ | 92.7 | Tioga | ND | resume operations, was silent |
| KYPT | 90.7 | Minot | ND | ERP drops to 400w/41m from 5kw/4m, new coordinates |
| KTGH | 90.1 | Bowdon | ND | ERP from 100kw/74m to 120w/26m (!) |
| KPHL | 95.9 | Bayard | NE | initial calls for new station |
| KCMI | 97.1 | Terrytown | NE | resume operations, was silent |
| KUNE-FM | 88.7 | Columbus | NE | Mod, 4.4kw/203m, 41-32-28/97-40-46 |
| W241AJ | 96.1 | Laconia | NH | Silent 10/17/24, must find new site and New Primary station |
| W253DG | 98.5 | Trenton | NJ | New Primary: WNJE 920 |
| WMMP-LP | 92.9 | Penns Grove | NJ | initial calls for new station |
| KRGA | 88.1 | Tucumcari | NM | mod, 200w/84m, 35-08-23/103-44-45 |
| KSQR | 91.3 | Questa | NM | callsign for new station |
| K210EB | 89.9 | Clovis | NM | Silent 4/19 displaced by KYHA, extended STA |

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|----------|-------|------------------|----|--|
| KCCO | 90.1 | Clayton | NM | ERP drops to 250w from 4kw, new coordinates |
| KENP | 88.1 | Las Vegas | NM | HAAT drops from 115m to -2m, new coords |
| K264CG | 95.9 | Fernley | NV | resumed operations, was silent |
| KADD-FM3 | 93.5 | Henderson | NV | ERP 200w-H/350w-V, 36-06-37/115-00-07 |
| WGSL-LP | 93.3 | Heuvelton | NY | initial calls for new station |
| WGSU | 89.3 | Geneseo | NY | resume operations, was silent |
| WINO | 91.9 | Watkins Glen | NY | resume operations, was silent |
| W233AH | 94.5 | Montecello | NY | New Primary: WSPK 104.7 |
| DWLRG-LP | 107.5 | Corning | NY | License canceled |
| W233AM | 94.5 | Beacon | NY | New Primary: WGNV 1220 |
| W287CY | 105.3 | Newburgh | NY | New Primary: WJGK 103.1 |
| WINO | 91.9 | Watkins Glen | NY | Silent 11.7, financial difficulties |
| W241DM | 96.3 | Saratoga Springs | NY | COL from Glens Falls, ERP drops to 95w from 99w |
| WSLH | 88.7 | Old Forge | NY | Ex WSGU |
| WEXP | 102.9 | Westport | NY | resumed operations, was silent |
| W233AH | 94.5 | Monticello | NY | Silent 11/1 loss of power at transmitter |
| W247CW | 97.3 | Poughkeepsie | NY | Silent 11/1 loss of power at transmitter |
| W253CM | 98.5 | Lima | OH | mod, 250w, 40-39-20/84-06-54 |
| WJYD | 106.3 | London | OH | Ex WHTD |
| NEW | 94.9 | Oologah | OK | new station, 100w/24m |
| K227DG | 93.3 | Muskogee | OK | ERP >15w to 250w |
| KCCZ | 89.1 | Boise City | OK | ERP drops to 250 w from 1kw, new coordinates |
| K300EC | 107.9 | Waynoka | OK | Ex 97.1 (K246BC) |
| KZLF | 97.5 | Alva | OK | Silent 10/31 xmtr damaged by lightning |
| KWCQ | 106.1 | Condon | OR | Silent 11/12, exciter failure |
| WLSW | 90.1 | Scottsdale | PA | Ex WJLW |
| WDFS | 89.1 | Mainesburg | PA | ERP drops from 170w to 145w/15m |
| WLCH-FM | 91.3 | Lancaster | PA | ex WLCH |
| WPME | 88.7 | Bedford | PA | ERP raised to 250w from 10 watts. |
| W207CN | 89.3 | Tyrone | PA | Silent 11/7 interference to WPMN 89.3 |
| WQNP | 88.5 | Narragansett | RI | new coordinates, directional SE out into the ocean |
| WAMR-LP | 100.1 | Westerly | RI | Ex WMMP-LP |
| DWMSZ-LP | 95.9 | Hartsville | SC | license canceled |
| WAGS-LP | 99.7 | Laurens | SC | initial calls for new station |
| WKSP | 96.3 | Aiden | SC | resumed operations, was silent |

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|---------|-------|----------------|----|---|
| KGGY | 88.9 | Gregory | SD | HAAT drops from 119m to 109m |
| KTEQ | 91.3 | Rapid Ciy | SD | Silent 11/2 with antenna problems |
| WVMG-LP | 96.9 | Chattanooga | TN | Silent 11/11 financial difficulties |
| WMYU-LP | 99.7 | Ooltewah | TN | Silent 10/30 financial difficulties |
| WHCG | 91.3 | Seelyville | TN | initial calls |
| WHCK | 89.5 | Huntsville | TN | initial calls |
| DKDDM | 100.5 | Mount Vernon | TX | license canceled |
| DKWXW | 93.7 | Kermit | TX | license canceled |
| K278DA | 103.5 | Houston | TX | Silent 7/8/24 damage from Hurricane Beryl |
| KRGK | 88.9 | Sweetwater | TX | mod, 500w/34m, 32-30-39/100-24-56 |
| KBXP | 88.5 | Blossom | TX | ERP drops to 150 watts |
| KWGD | 88.9 | Dalhart | TX | initial calls for new station |
| KDDM | 93.9 | Groveton | TX | Ex-KFON |
| KQYR | 90.1 | Mount Pleasant | TX | ERP drops to 250 wats |
| KKSH | 90.3 | Jackboro | TX | ERP drops from 1.25kw to 125watts |
| KTBB-FM | 97.5 | Troup | TX | coordinate change |
| K217CP | 91.3 | Paris | TX | Silent 4/21, sale under negotiations |
| K220FO | 91.9 | El Paso, etc. | TX | Ex 91.7 |
| K263BC | 100.5 | Uvalde | TX | facility canceled |
| KDIP-LP | 98.9 | Marfa | TX | EX KMKB-LP |
| KMKB | 88.5 | Marfa | TX | Ex KUXO |
| NEW | 107.3 | Odessa | TX | 100w/22m, 31-50-54/102-23-13 |
| KWGD | 88.9 | Dalhart | TX | ERP to 28kw-H from 2kw H&V, new coords |
| KJWD | 91.1 | Shamrock | TX | Ex 88.3 |
| K215CH | 90.9 | Alpine | TX | ERP to 50w-V from 10w H&V |
| KYRQ | 90.3 | Natalia | TX | Silent 11/5 ant/xmtr damaged by lightning |
| K285HC | 104.9 | Corsicana | TX | Silent 10/31 primary (KAND-FM 1340) off due to financial hardship |
| W269DH | 101.7 | Leesburg | VA | New Primary: WPIR-FM 89.9 |
| WCCB-FM | 93.5 | Blacksone | VA | resumed operations, was silent |
| W261AH | 100.1 | Radford | VA | ERP to 32w H&V from 32w-V |
| WHCD | 88.3 | Wytheville | VA | initial calls |
| W207AX | 88.7 | Burlington | VT | New Primary: KAWZ 89.9 |
| KGTC | 89.3 | Oroville | WA | mod, 500w/-394m, 48-56-06/119-26-12 |
| NEW | 91.5 | Omak | WA | mod, 86w/781m, 48-26-57/119-18-34 |
| KOPL | 89.3 | Omak | WA | initial calls for new station |

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|---------|-------|------------------|----|---|
| KOLX | 90.9 | Warden | WA | New CP, 610w/79m |
| K204ET | 88.7 | Aberdeen | WA | ERP from 115w H+V to vertical only, coord change |
| KETN | 90.1 | Eatontown | WA | mod, 10w/167m, 46-50-24/122-15-30 |
| KIXP-LP | 102.3 | Eastsound | WA | initial calls for new station |
| KVRY | 89.1 | Packwood | WA | ERP frops from 500w/446m to 100w/-616m, new coords. |
| K250AZ | 97.9 | LaCrosse | WI | mod, 250w 43-44-52/91-17-54 |
| W289CB | 105.7 | Milwaukee | WI | New Primary: WSSP 105.7 (Sports 105.7 the Fan) |
| WPBO-LP | 104.7 | Platteville | WI | initial calls for new station |
| W229CY | 93.7 | Rupert | WV | Silent 9/20, station operators passed away |
| KJFJ-LP | 102.3 | Gillette | WY | initial calls for new station |
| K201HM | 88.1 | Laramie | WY | ERP raises to 99w from 23w, coord change |
| K205GJ | 88.9 | Buffalo | WY | Ex 91.9 |
| KRKY-FM | 89.5 | Fort Laramie | WY | Ex KSHY |
| KIHI | 88.1 | Cheyenne | WY | Ex KVAM |
| KVAM | 89.7 | Flower Pot | WY | Ex KIHI |
| KVNB | 93.3 | Bryant | AR | Ex KKSP |
| K207FN | 89.3 | Oakridge | AR | Ex 91.5 (K218AG) |
| WTLE-LP | 95.9 | Leesburg | FL | 100w/15m, 28-48-53/81-52-32 |
| WLTJ-LP | 104.3 | Port Saint Lucie | FL | initial calls |
| NEW | 96.9 | Springfield | MA | 100w/3m, 42-04-54/72-35-11 |
| NEW | 106.5 | Berlin | MD | 100w/17m, 38-18-54/75-13-09 |
| WMHD | 89.7 | Greenville | ME | ERP 2.2k/139m from 1.7k/172m |
| WSHG | 89.7 | South Haven | MI | new coordinates |
| WCER | 97.5 | Delhi | NY | Ex WDHI |
| WCEG | 94.7 | Deposit | NY | Ex WIYN |
| NEW | 90.7 | Aguada | PR | 100w/-1m, 18-21-40/67-11-17 |
| WFCI-LP | 102.9 | Walterboro | SC | initial calls |
| W256ED | 99.1 | Nashville | TN | 250w, 36-15-56/86-48-13 |
| KTLG | 88.5 | Terlingua | TX | 1kw/116m, 29-19-53/103-37-45 |
| KWMD-LP | 100.7 | Weslaco | TX | HAAT 13m from 8m, new coords |

FORMATS AND BRANDING

December 2024

| | | | | |
|--------|-------|------------------|----|--------------------------------|
| W262CJ | 100.3 | Wilwaukee | WI | Country, Froggy 100.3/107.3 |
| W297BY | 107.3 | Franklin | WI | Country, Froggy 100.3/107.3 |
| W252CJ | 98.3 | Burlington | VT | Contemporary Christian, Air1 |
| KXXM | 96.1 | San Antonio | TX | bilingual AC |
| WWKX | 106.3 | Woonsocket | RI | Classic Rock, the Wolf |
| W282BR | 104.3 | Erie | PA | R&B, 104.3 the Touch |
| W279EM | 103.7 | Scranton | PA | Rhythmic CHR, Loud 103.7 |
| CJWL | 98.5 | Ottawa | ON | Hot AC, Mix 98.5 |
| KLRZ | 100.3 | Larose | LA | Hip Hop, Streetz 100.3 |
| K297BQ | 107.3 | Colorado Springs | CO | Classic Hits, 60s-80s |
| K238AV | 95.5 | Yuba City | CA | Oldies, 95.5 YTO (True Oldies) |

F2 REPORTS FOR DURING NOVEMBER

| | | | | |
|----------|---------------|-----|---------|--|
| 11/29/24 | | | | |
| GB3MCB | Bugle | GBR | WRH | 3418 miles, digital beacon w/CW ID "GB3MCB/B IO700J" |
| EI1CAH | County Galway | IRL | WRH | 3147 miles, another digital beacon. CW ID "EI1CAH IO53CK" |
| EI1KNH | Oonagh | IRL | WRH | 3293 miles, digital beacon w/CW ID "EI1KNH IO63VE IO63VE" |
| | | | | |
| 11/7/ | | | | |
| RADAR | Collm | DEU | WRH | 4081 miles. VHF radar, 234 kHz PSK |
| OZ7IG | Skanderborg | DNK | WRH | 3809 miles, CW beacon interspersed w/MFSK. "OZ7IG Y JO55WM". |
| AAG-33 | Fort Irwin | CA | WRH | 2038 miles. "Fort Irwin Range Operations". |
| | | | | |
| 11/04/24 | | | | |
| AFH-5 | Hill AFB | UT | WRH | 1655 miles. Military, w/report of drone launched from Camp Williams. |
| | | | | |
| 11/03/24 | | | | |
| TAXI | Alajuela | CTR | WRH | 2307 miles. SS taxi coms, PL 141.3. |
| KAQ869 | Fresno | CA | Bill-MI | 65 units ments - Silver - Base - Fresno (65) CHP |
| KCT227 | Redding | CA | Bill-MI | 37 unit and Redding ments |
| KDP296 | Amador | CA | Bill-MI | 94 units ments White 3 - Base - Amador (94)CHP |
| KRB411 | Los Angeles | CA | WRH | CHP, PL 186.2 |

| | | | | |
|----------|------------------|----|---------------|--|
| AAE-24 | Killeen | TX | Bill-MI | Ft Hood / Fort Cavazos comms - Range Operations |
| KMC927 | Oakhurst | CA | Bill-MI | 57 units ments - CHP Orange 2 - Base Oakhurst (57) |
| WNUH579 | Solano | CA | Bill-MI | heard BOL, 22 units and Full call - Not listed on Frequency per older source |
| WNVN905 | Santa Rosa | CA | Bill-MI | 17units |
| KCD598 | Athol | MA | Skywvbl rd | heard tones on 33.48, this came up as the top result searching.. |
| KA4993 | Solano | CA | Bill-MI | CHP 22 Units ments - Turquoise - Mobile - Solano (22) |
| WNKV355 | San Francisco | CA | Bill-MI | 32 Units Ments CHP Pink - Base - San Francisco (32) |
| | | | | |
| 11/02/24 | | | | |
| KME263 | Yreka | CA | Bill-MI | 41 Units ments - Purple - Base - Yreka (41) |
| KDE62 | Hollister-Gilroy | CA | Bill-MI | 23 units ments. CHP Green - Base - Hollister-Gilroy (23) |
| KUV545 | San Gorgonio | CA | Bill-MI | 97 units ments - Red 2 - Base - Blythe (06) / Indio (76) Gorgonio Pass (97) |
| WNUH520 | Dublin | CA | Bill-MI | 18 units mentioned - Khaki - Base - Dublin (118) |
| KMA801 | Los Angeles | CA | Bill-MI | LA units ments CHP White 3 - South Los Angeles (77) |
| KTN273 | Santa Fe Springs | CA | Bill-MI | BOL and ID -Gold 2 - Santa Fe Springs (83) |
| KML958 | Bolinas | CA | Bill-MI | Marin County Fire Dept page, also simulcast on 46.2 |
| WNVN905 | Santa Rosa | CA | Bill-MI | |
| KVJ961 | Angels Camp | CA | WRH | Calaveras County Sheriff. |
| | | | | |
| UNK | San Francisco | CA | Tim-TN | CA highway patrol. Mention of I80 and I280 |
| WMR | Aarhus | DK | Tim-TN | Relog but this time was strongest I've heard them. Got id too! |
| | | | | |
| N1OLA | Burlington | VT | Jim-MO | 1,161 mi/1,868 km, matched to DxMaps reports. |
| | | | | |
| KMH277 | Newhall | CA | WRH | CHP. Even higher MUF! |



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