



# The VHF-UHF Digest

THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION

P.O. Box 501, Somersville, CT 06072 <https://www.wtfda.org>

THE WORLDWIDE TV-FM DX ASSOCIATION IS DEDICATED TO THE OBSERVATION AND STUDY OF LONG DISTANCE VHF AND UHF PROPAGATION AS IT APPLIES TO SIGNALS FROM 30MHZ THROUGH 600MHZ WITH EMPHASIS ON BROADCAST TELEVISION AND FM RADIO

JULY 2023



## IN MEMORIAM

Robert Britt Cooper  
April 10, 1938 - May 15, 2023

Birth Place  
Ticonderoga, New York

Final Resting  
Coopers Beach, New Zealand



*This writer recalls, with fondness, experiencing FM'DX' reception as a 12 year old in 1950; a simple crossed dipole chimney mounted antenna on the 'wrong side' of a hill in Ithaca, New York produced frequent reception on what were, in those days, 'clear channels' from stations 300 to 400 miles away.*

## Goodbye to a Friend and a TVDX Legend



# The Mailbox

P.O. Box 501 Somersville, CT 06072

MIKE BUGAJ - [mike@wtfda.org](mailto:mike@wtfda.org)



JULY 2023

Welcome to the Mailbox. This month we welcome Shawn Kutzko(IL), Larry Gordon Wood (MO) and our newest member from the UK, Philip Lancaster. Welcome all of you to the WTFDA!

As you can see from our cover, veteran Dxer and WTFDA member Bob Cooper passed away recently. Here are some comments some members of our DX family.

**Gary Olson:** I never had the opportunity to meet Bob Cooper but I exchanged many letters with him and got a lot of information from him. He started DXing Horizons magazine after a lot of us had a dream about a nationally published TV DX magazine. It morphed into a cable business magazine within a few months when it became obvious that the magazine could not

be supported by TV and FM DXers who make up a small readership. He started CADCO and created a lot of products. He inspired me to buy a Conrac 82 channel receive which he felt was better than any TV for TV DXing. From time to time I read about his exploits in the cable business and apparently his flaky relationships with women but this was the first I had heard about him in a number of years.



It is with a deeply saddened heart I announce the peaceful passing of my dearly loved husband, Robert Britt Cooper at 4:30 pm on May 15, 2023. "Coop", the one and only. We shared much love, laughter, pleasure, intellectual debate, and silliness together. We were best friends. I will miss him. If you would like to contact me, my name is Phoebe Beach and my email address is: [matahorua@xtra.co.nz](mailto:matahorua@xtra.co.nz).

Thanks for sending. Gary Olson (started TV DXing in the mid 1950s). (I bought one of his CADCO IPA FM DX boosters when they first came out. It was outstanding and I wish I still had mine -Mike)

**Glenn Hauser:** I too had a personal relationship with Bob Cooper. As I began TVDXing in the 1950s, he was editing such a column in Radio-Electronics. He was an early mentor to me. Later his own magazine DXing Horizons. While he was based in OKC, I met him at his CADCO office. He gave me some patch cords, as I recall. Our paths crossed again in Fort Lauderdale, when he was there part-time and otherwise in Turks & Caicos. He invited me to visit him on Provo, had a private pilot fly me down and back. RIP, Bob

**Paul Mitschler:** I was so sad to hear about the loss of Bob Cooper in today's mail. I enjoyed helping him with the cover for his book and then getting an autographed copy from New Zealand when published. I lost track of him soon after and then got an email sometime in 2022 during the COVID days. He mentioned his birthday in 1938 which was the same as mine. However, I pointed out that I was born 29 weeks and 6 days before me. This is the birthday card I sent March 22, 2022 to him which included just some of the many accomplishments he had for Television. He was a great friend and I really enjoyed working with him. He will be sorely missed by me.

**John Zondlo:** Indeed, Mike, a legend has passed. I wish he was still here in the OKC metro (Guthrie OK to be exact) when I arrived in '79 so I could have seen his giant antenna array that brought him channel 38 in Boston on tropes (ah, for another opening like that).

**Saul Chernos:** Mike, thank you for passing along the news, albeit sad. Bob and I spoke a few times over the years and he was kind enough to mail me a few of his books way back in the day. It's obvious from reading comments from others that he was generous and kind.

The continuing saga of K223DJ Prineville, OR goes on with more from **John Jefferson**: K223DJ 92.5 "Prineville" is "The Ticket", relaying KRCO-AM 690. It does NOT carry KQAK 105.7, rather KQAK's HD-2 or HD-3. They mention KQAK's involvement in relaying KRCO-AM to them, which apparently confuses one or more of your reporters. I put Prineville in quotes because K223DJ is on Awbrey Butte in Bend and can't possibly serve Prineville, over 20 miles away and over some hills.

KMAB-LP 99.3 Madras is still off. Our t-storm on 5/25 was a doozy, even apparently creating e-skip from Mexicali to hear as it moved south of us. KGBZ-LP 102.5 Madras had been off since February, returned Monday, and was gone again by Wednesday night. KCVS 91.7 Salina KS is on. Heard their calls on 6/11 at 1659. KVCN 106.7 Los Alamos NM evidently is on as well. Heard what had to be the VCY programming 6/11 at 1941 with New Mexican stations all over the band.

On a different subject, my third sci-fi novel should be available in a few weeks. All three are part of the "Devistor" series and can be found with that keyword on Amazon (in hardback, soft cover, and e-book formats). (I didn't know you were an author, John. Congrats!).

A double-hop Es report from **Ralph Strobel** in Muncie, IN: "Thought I'd check FM before I left my house today before noon. Looked like something by Es on 89.1 and thought it might be Wyoming. The signal was perfect and a legal ID taped on the hour like a local !! I nearly had an accident in my underwear when the male announcer said: "You are listening to the Northwest Radio Network KFAE Richland-Kennewick-Pasco." This is my third double hop ever logged since I started counting stations in 1972 from Muncie! Richland is 1,759 miles in a straight line. My farthest was some years ago was 91.9 KMUN Astoria, OR at 1981 miles. Also got 88.1 XHRED Mexico City some years ago at 1656 miles. Now I have 1027 from the Ed. Band. I'm wondering if I'll ever hear NV or CA, the two states within the 48 I don't have. I'm now 82 and having terrible sinus and breathing problems and told I have asthma and COPD. I hope I'm around quite a few years so I can hear all 48 states.

And, in case you missed these, there is a 1900 mile two-hop skip report from Tim Land in Kingsport, TN on the WTFDA Forums [here](#). The station is KFXX 99.5 in Klamath Falls, OR. Nice catch, Tim!

And then there was the multi-hop Es from the Azores into New England on the morning of June 24<sup>th</sup> from around 9am-10:30am EDT. After being alerted by Bryce Foster on the email list, myself and Steve Solomon, Chris Lucas, Bill Hepburn in Ontario and FinnDX listening remotely from New Hampshire all logged RTP Antenna 3, Pico de Barossa, Azores with talk and music //their webstream. Chris Lucas had really great audio on Antenna 3, In my case the distance was 2480 miles. Chris broke 2500mi easily. Chris' audio is at the [WTFDA Forums](#). Bryce also logged another six stations from the Azores on that morning which are listed on the WTFDA website at [wtfda.org](#).

**Bill Mitchell** in Columbus Ohio talks about the Zapperbox: "I wanted to alert you to a new item, the Zapperbox M1 ATSC 3 set top box. I have been trying to receive a low power rf ch. 26 at my home (CM 4 bay antenna) in Columbus OH but neither the Zenith nor the Samsung TV tuner could decode it . The Zapper caught it on the first channel scan and decodes it down to around a SNR of 15. At 17 dB there is no pixelation at all. It is very easy to operate and update. Picture quality on both ATSC 1 and ATSC 3 is excellent. The only drawback is its price although they are currently taking off x% of the price. I have used it for over a month without any glitches. Highly recommended especially for its sensitivity and selectivity. The latter is demonstrated by it not being fazed by full power rf ch. 27, its transmitter being two miles from here."

And that is it for now. -Mike

# FM DXING

by Bob Cooper

Reprinted from Emisoras de FM 2010

THE SINGLE FACTOR attracting most FM DXing enthusiasts to the hobby is the relatively limited coverage (distance) provided by a typical station. There are three factors involved in long distance reception - (1) The power of the station, (2) the height of the station's transmitting antenna, and perhaps the most important of all - (3) the care and precision the DXing enthusiast puts into the search for distant stations.

The original FM (Frequency Modulation) originated in the mid 30s and was considered an experimental service with temporary permission to 'test' in the region between 40 and 50 MHz. Coincidentally, in the same period of technology development, the first all-electronic (as opposed to mechanical) television was in a similar developmental phase. There were conflicts between the two new creations until the end of World War Two as both were desirous of permanently using the same general frequency band - 40 megacycles (today megahertz) upward to approximately 100. As late as 1942, any frequency above 80 was considered unreliable and difficult to use because the technology required was not yet developed.

FM had two births; the first which allowed several hundred stations to be licensed in the 42-50 MHz band prior to WW2 and the second when in 1946 FM was permanently reassigned to the 100 MHz region. The last of the (fully licensed) 42-50 MHz stations signed off in 1948 but the restart in the 100 MHz region was significantly hampered by a nation focusing on the newly available TV service and a FCC that relaxed rules for new AM (540-1600 kHz) stations - prior to the late 40s the rules pretty much stymied new AM station development.

FM's natural qualities caused it as a modulation format to be adopted for the transmission of TV sound - a 1940 decision and we can all be grateful happened as British experience with AM sound for TV would later prove to be a disaster. But FM's real growth would not happen until well into the 1960s and 1970s and then largely because American car makers began to include FM (later FM stereo) receivers in vehicles.

This writer recalls with fondness experiencing FM 'DX' reception as a 12 year old in 1950; a simple crossed dipole chimney mounted antenna on the 'wrong side' of a hill in Ithaca (New York) produced frequent reception on what were in those days essentially 'clear channels' from stations 300 to 400 miles away.

The developer of FM, Major Armstrong, was perhaps the original FM DXer. When his experimental station operating from just outside New York City was operating (42.5 MHz) he sent a crew with suitable FM receivers and antennas to Alabama, and then Iowa, to record his own station's reception at distances approaching 900 miles. It was his 'discovery' of meteorite ionization (MS in our hobby today) that attracted significant interest (not all of it positive; many found his reports 'unbelievable') and he only convinced doubters after producing chart recordings of signal strength received backed up by actual (vinyl) transcriptions of the received audio. He might have been a bit incorrect when he summarized "Over a year's solid reception at [xxx] miles appears to be possible up to ten percent of the time." But note this was when the station was in the 40-50 MHz region - and he later admitted "ten percent of the time" would be the accumulation of ten seconds here, a minute there and so on 24 hours a day.

Modern FM DXing is a technical challenge Major Armstrong could but fantasize, as is, for us, his results in the 30s and 40s. But we are proud inheritors of his passion for 'distance in FM' and each of us possesses at least a small amount of 'Armstrong tenacity' in our hunt for distant reception.

Bob Cooper



# MERCHANDISE STORE

**NOW OPEN**

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



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

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

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



# TV Changes for July 2023

Data supplied by Doug Smith.

AL Dothan 21 WDHN Returned to full power Jan. 5th.
AR Flagstaff 32 KAZF Requests power to 100kw/433m, 34-58-08/111-30-31; granted.
AR Fort Smith 18 KFSS-TV Requests power increase to 800kw/273m
AZ Flagstaff 32 KAZF Power change requested to 100kw/433m, 34-58-08/111-30-31.
CO Sterling 23 KCDO-TV Operating at 50% power due to June 8th transmitter failure.
CO Sterling 23 KCDO-TV Operating at half power (500kw) since early May cooling fan failure.
CO Sterling 23 KCDO-TV Returned to full power June 6th, transmitter repaired.
COL Manzanillo 25 XHCTML Permit granted for new station 21.287kw/711m, 19-03-03/104-17-37
FL Destin 29 WFBD Power change granted to DTS #2: 80kw/192m, 30-36-41/87-36-26. DTS unchanged.
FL Destin 29 WFBD Power change requested at DTS Site #2: 80kw/192m, 30-36-41/87-36-26.
FL Orlando 28 WRBW Power changed to 1000kw/446m, 28-36-14/81-05-10
FL Orlando 33 WOFL Power changed to 1000kw/447m, 28-36-14/81-05-10
FL Sarasota 24 WWSB Requests coordinate correction to 27-33-30/82-21-57.
HI Wailuku 24 KGMV Returned to full power June 7th.
HI Waimanalo 15 KUPU Power change granted at DTS #1: 8.2kw/76m, 21-25-20/157-45-27; DTS #2: 29.6kw/839m, 21-24-11/158-05-52.
IA Des Moines 16 KDSM-TV Operating at 25% power pending repair of May 24th transmission line failure.
IA Des Moines 16 KDSM-TV Operating at 25% power since May 24th transmission line failure.
ID Idaho Falls 18 KIFI-TV Proposed move from 8, 500kw/444m.
IL Galesburg 8 WMWC-TV Operating at unspecified reduced power of less than 80% since May 27th pending repairs.
IL Galesburg 8 WMWC-TV Returned to full power June 9th.
IL Oswego 10 WTVK DTS Site on the air: 13.25kw/388m, 41-53-56/87-37-23. (John Hancock Center, Chicago)
IN Elkhart 30 WSJV ATSC 3.0 host carrying WNDU-TV, WSBT-TV (both CBS and Fox subchannels), WHME-TV, and WNIT.
IN South Bend 27 WNDU-TV ATSC 3.0 guest on WSJV Elkhart.
IN South Bend 29 WSBT-TV ATSC 3.0 guest carrying WSJV 28.6 Bounce TV & 28.1 Heroes & Icons.
IN South Bend 31 WNIT ATSC 3.0 guest carrying WSJV 28.2 True Crime Network, 28.3 ION Mystery, and 28.5 Quest.
IN South Bend 36 WHME-TV ATSC 3.0 guest carrying WSJV 28.4 Court TV & 28.7 DABL.
MS Greenville 15 WFXW Power change requested to 176kw/269m, 33-39-27/90-42-17.
MS Greenwood 32 WABG-TV Returned to full power June 6th.
MT Butte 5 KXLF-TV Operating at 73% power since May 31st, technical issues.
NM Carlsbad 19 KKAC Power increase requested to 80kw/335m, 32-47-38/104-12-31.
NV Laughlin 32 KMCC Power increased at DTS #2: 200kw/60m, 36-07-45/115-11-28 (KTNV-13 studios, Valley View & Desert Inn, Las Vegas) DTS Home remains unchanged)
NV Reno 11 KTVN ATSC 3.0 guest carrying KNSN-TV 21.3 Comet.
NV Reno 12 KRNV-DT ATSC 3.0 guest carrying KNSN-TV 21.2 Stadium.
NV Reno 20 KNSN-TV ATSC 3.0 host carrying KRXI-TV, KRNV-DT, KOLO-TV, KTVN, and KXNV-LD.
NV Reno 23 KRXI-TV ATSC 3.0 guest carrying KNSN-TV 21.1 My.
NV Reno 8 KOLO-TV ATSC 3.0 guest on KNSN-TV.
NV Winnemucca 16 KWNV Proposed move from 7, 20kw/651m, 41-00-31/117-46-13.
NY Syracuse 15 214200/776176 Power reduction granted to 475kw/389m, 42-56-42/76-07-06.
OH Mansfield 12 WMFD-TV Power increase granted to 16.4kw/180m.
OK Oklahoma City 25 KWTV-DT Operating at approximately 20% power since June 1st filter failure.
OK Tulsa 14 KTUL Channel change from 10, 1000kw/578m, 35-58-08/95-36-56
OR Coos Bay 22 KMCB Power increase granted to 100kw/172m.
OR Eugene 17 KMTR Power reduction requested to 300kw/398m. Filed as major change but it isn't. Refined correctly as minor change.
PA Philadelphia 6 WPVI-TV Power increased to 45kw/332m, 40-02-39/75-14-25.
TX Austin 33 KVUE Operating at gradually dropping power since May 24th due to failing tube. Expected to plateau at 50% until transmitter can be replaced in August.
TX San Antonio 16 KHCE-TV Power reduced to 1000kw/328m.
VER Cerro Azul 33 XHVCA Converted to shadow of XHCPEO.
VER Coatzacoalcos 22 XHGVC Converted to shadow of XHCPEO.
VER Mecayapan 29 XHZOT Converted to shadow of XHCPEO.
WI Mayville 34 WWRS-TV Operating at reduced power since June 4th. Technical parameters unavailable, probably due to FCC systems outage.

# FM Changes for July 2023

Data supplied by the FCC although some data obtained from internet sources and individuals.

This table contains facilities data plus format and/or slogan changes.

AB	CFNA-FM	99.7	Bonneyville	format: Country; slogan to: 'The Wolf'
AB	CJEG-FM	101.3	Bonneyville	format: Top 40; slogan to: 'Hot 101.3'
AB	CJWE-FM2	106.1	Medicine Hat	initial calls
AB	CHGR-FM	107.7	Edmonton	initial calls
AK	KDSI	90.9	Sitka	initial calls
AK	KQAB	92.9	Auke Bay	initial calls
AK	KEGR-LP	101.7	Wasilla	silent 3/6/23 forced to move
AK	KMPA	101.7	Palmer	99watts/-51m, 61-37-16/149-01-24
AK	KNPA	106.7	North Pole	initial calls
AK	KNPY	107.7	North Pole	initial calls
AL	WBFR	89.5	Birmingham	raise power to 95w at same site
AL	W252DV	98.3	Ozark	format: oldies; slogan to: 'K-Hits 98.3' (WOZK-900)
AR	KRZP	92.7	Gassville	format: Classic Hits
AR	K263CB	100.5	Springdale	returns to the air with Sports: 'The Fan' (KREB-1190)
AR	K264DA	100.7	Decatur	returns to the air with Talk: '1390 The Center' (KFFK-1390)
AR	KFFA-FM	103.1	Helena	format: Classic Hits: 'The Mix 103.1'
AR	KJSL-LP	106.7	Fort Smith	license cancelled
AZ	NEW	89.3	Kearney	new, 4.2k/186m, 32-58-21/110-38-27
AZ	KUAW-FM	89.3	Kearny	initial calls
AZ	K247CF	97.3	Payson	change COL from Mesa
AZ	K265CW	100.9	Tucson	format: Classic Rock (KXKR 101.7)
AZ	K270CW	101.9	Buckeye	returns to the air with Regional Mexican: 'Radio Campesina'; ex: K271CW 102.1 (KNAI-860)
AZ	KZGL	103.7	Flagstaff	format: Rock; slogan to: '103.7 The Eagle Rocks' (includes K250BI 97.9 & K257FI 99.3)
AZ	K281CC	104.1	Benson	Country: 'Canyon Country' (KCNN 97.7)
AZ	KHOV-FM	105.1	Wickenburg	format: Regional Mexican: 'Que Buena 105.9/105.1' // KHOT-FM 105.9 (includes LP stations for both stations)
AZ	KHOT-FM	105.9	Paradise Valley	format: Regional Mexican: 'Que Buena 105.9/105.1' // KHOV-FM 105.1 (includes LP stations for both stations)
AZ	K291BU	106.1	Yucca	move from 105.9 (K290CM)
BC	CJSU-FM	89.7	Duncan	format: Variety Hits; slogan to: 'SUN FM'
CA	KNVM	89.7	Prunedale	change calls from KSQT; format to Variety; slogan to: 'KSQD 89.5 89.7 90.7' (K208GE 89.5) [KSQD 90.7]
CA	KSQD	90.7	Santa Cruz	format: Variety; slogan to: 'KSQD 89.5 89.7 90.7' [KNVM 89.7 (K208GE 89.5)]
CA	KZAC-LP	97.3	Sacramento	license cancelled
CA	KSXY	100.9	Forestville	format: Spanish CHR; slogan to: 'Latino 100.9' (includes K238AF 95.5 Santa Rosa)
CA	KCNQ	102.5	Kernville	format: Country: 'slogan to: 'Kern River Country 102.5'
CA	KMEE	103.1	Palm Desert	change calls from KQPS; format: Classic Hits; slogan to: 'MeTV FM 103.1'
CA	KIQQ-FM	103.7	Newberry Springs	silent; "transmitter failure".
CA	KITS	105.3	San Francisco	format: Alternative; slogan to: 'Live 105'
CA	K204DM	88.5	Yreka	10w, 41-44-03/122-44-55 new coordinates
CA	K205DT	88.9	Indio	10watts, 33-48-06/116-13-33
CA	KNSJ	89.1	Descanso	silent 1/17/23 antenna damage
CA	KSQT	89.7	Prunedale	change calls from KNVM, variety, K-Squid
CA	K212GM	90.3	Crescent City, etc	changed freq from 91.1 (K216FE)
CA	K227DZ	93.3	Santa Rosa	250w, 38-25-07/122-40-37
CA	KJLV	95.3	Los Gatos	change calls from KLRK
CA	KJLV	95.3	Los Gator	changed calls from KLRK
CA	K238AJ	95.5	Hayfork	250w, 40-34-04/123-11-34
CA	KWAI	97.7	Los Altos	change calls from KJLV
CA	KWAI	97.7	Los Altos	changed calls from KJLV
CA	KMEE	103.1	Palm Desert	change calls from KQPS
CA	KQPT	106.1	Sacramento	license canceled
CA	K294CA	106.7	Monterey	silent 5/24/23 lack of financial support
CO	K214FO	90.7	Buena Vista	changed freq from 90.5 (K213AT)
CO	KLMR-FM	93.5	Lamar	format: Classic Hits: 'Kool 93.5'
CO	K251CV	98.1	Golden	250w, 39-43-59/105-14-14
CO	K252AM	98.3	Hotchkiss, etc	license cancelled
CO	K272FP	102.3	Colorado Springs	silent 5/24/23; lost lease
CT	WEEE	90.7	Moosup	initial calls

CT	W277DP	103.3	Bridgeport	Tropical; slogan to: 'VIVA! Radio' (WCUM-1450)
FL	W207CE	89.3	Key West	silent 6/6/23 tower dismantled
FL	WJXR	92.1	MacClenney	format: Spanish CHR: 'Latina 92.1' [WEWC-1160]
FL	W224EF	92.7	Orange Park	format: Spanish Adult Contemporary (WJNJ-1320)
FL	WNFB	94.3	Lake City	format: Classic Hits; slogan to: '94.3 The Lake'
FL	W241DH	94.5	Bradenton	silent 5/18/23 lost site
FL	W248CT	97.5	Callahan	format: Spanish CHR; slogan to: 'Latina 92.1' (WEWC-1160) [WJXR 92.1]
FL	WJRQ-LP	97.9	Poinciana	silent 6/12/23. Lightning strike
FL	WFXS-FM	98.7	Estero	silent
FL	WBPV-LP	100.1	Bradenton	silent 5/27/23; lost site
FL	WBPV-LP	100.1	Bradenton	silent STA granted to May 28, 2024 ('facility modification')
FL	W271DM	102.1	Marianna	silent 5/12/23 tower collapsed
FL	W272DS	102.3	Miami	silent 11/15/22 lost site gtd extension 6/2/23
FL	WIEB-LP	102.9	Ocala	raise power to 100w/26m, 29-08-56/82-07-08
FL	W276DI	103.1	Live Oak	format:Talk: 'The Big Talker' (WQHL-1250)
FL	W279AG	103.7	Atlantic Beach	format: Spanish Adult Contemporary (WJNJ-1320)
FL	W284CR	104.7	West Palm Beach	silent 5/16/23 interference with WFLM
FL	WRRX	106.1	Gulf Breeze	raise power to 5.1kw, move site
FL	WCJX	106.5	Five Points	format to adult contemporary 'Mix 106.5'
FL	WCJX	106.5	Five Points	format: Adult Contemporary; slogan to: 'Mix 106.5'
FL	W296DK	107.1	Fort Lauderdale	format:Ethnic (Portuguese): slogan to 'Nossa Radio' (WFL-1400)
GA	WPBD	88.5	Bainbridge	initial calls
GA	WPBD	88.5	Bainbridge	initial calls
GA	WCRY	89.9	Blairsville	1.25k/101m, 34-54-31/83-54-12
GA	NEW	91.5	Darien	new station 1.6k/26m, 31-16-55/81-25-25
GA	W241AF	96.1	Rossville	format: News/Talk; slogan to: 'The Big One' (WFLI-1070)
GA	WXRS-FM	100.5	Brooklet	change COL from Portal, power to 50kw
GA	WBMZ	103.7	Metter	power to 6k-V only
GA	WNOU	107.7	Sasser	raise power to 15kw
HI	KCIF	90.3	Hilo	format: Christian Rock: 'Effect Radio'
IA	KEWR-FM	89.9	Cedar Rapids	870w/206m, 42-02-42/91-38-49
IA	K243CO	96.5	Boone	format:Regional Mexican; slogan to 'La Reina 96.5 FM-1260 AM' (KDLF-1260)
IA	W252EM	98.3	Davenport	move from 105.7 (K289BI)
ID	K239BR	95.7	Pocatello	raise power from 10 to 25watts
ID	K275CF	102.9	Sandpoint	format to country, Hank-FM
ID	KCNU	103.9	Silver City	format: Christian Rock: 'Effect Radio'
IL	WVFR	88.1	Gilman	change calls from WIVF
IL	WTZI	88.1	Rosemont	format:Ethnic; 'Hindi88'
IL	WRSE	88.7	Elmhurst	returns to the air with Variety: 'WRSE 88.7 FM'
IL	WUON	89.3	Morris	raise power to 1.95k
IL	WBBA-FM	97.5	Pittsfield	HAAT to 97m, move site
IL	WPNA-FM	103.1	Niles	change COL from Hightland Park
IL	W280EM	103.9	Chicago	90watts, 41-52-44/87-38-09
IL	W296DA	107.1	Vernon Hills	80w, 42-23-17/88-05-40, move site
IL	W296EQ	107.1	Arlington Heights	changed freq from 106.9 (W295CG)
IN	WFML	96.7	Vincennes	format: Rock; slogan to: '96.7 The Rock'
IN	W272BZ	102.3	Portagwe	silent 6/30/23; lost lease
IN	W272BZ	102.3	Hobart	change COL from Portage; primary to WAKE-1500
IN	WETF-LP	105.7	South Bend	10w/26m, 41-39-47/86-15-15 move site
KS	KLCM	88.1	Ulysses	format: Spanish Religious Teaching
KS	KMML	92.9	Cimmaron	raise power to 40kw from 32kw
KS	KGBK	96.7	Larned	raise power from 3kw to 16.5kw, move site
KS	KBOB-FM	97.1	Haven	format:Adult Hits: 'BOB FM 97.1' [call change from KBIB-FM]
KS	KVWF	100.5	Augusta	format: Country; slogan to: 'My Country 100.5'
KS	K279CS	103.7	Ortowa	format: Country; slogan to: 'KOFO 1220 AM/103.7 FM' (KOFO-1220)
KS	K295CH	106.9	Kansas City	change primary to KPRS-HD2
KY	WTRL	88.1	Hodgenville	raise power to 740w/86m
KY	WTRT	88.1	Benton	format: Contemporary Christian; slogan to: 'The World Needs King Jesus'
KY	WAAJ	89.7	Benton	format: Contemporary Christian; slogan to: 'The World Needs King Jesus'
KY	WVHM	90.5	Benton	format: Contemporary Christian; slogan to: 'The World Needs King Jesus'
KY	WKYY	99.1	Morgantown	change calls from WWKN
KY	WGRK-FM	105.7	Greensburg	drop power to 4kw/116m
KY	W290DT	105.9	Neon	move from 97.5 (W248DI)



LA	K210BW	89.9	St. Joseph	silent 5/24/23 lack of financial support
LA	K220EW	91.9	Jonesville	silent 4/30/23, primary station lost license
LA	WZRH	92.3	LaPlace	100k/130m, 30-02-48/90-27-06
LA	W230CL	93.9	Garyville	resumes operation with Religious Teaching (WCKW-1010)
LA	WTIX-FM	94.3	Galliano	100k/299, 29-33-46/89-49-48
LA	KLWB-FM	103.7	Carencro	format: Sports; slogan to: 'ESPN 103.7' [KLCJ 104.1]
LA	KLCJ	104.1	Lake City	format:Sports; slogan to: 'ESPN 104.1' [KLWB-FM 103.7];
MA	W249DP	97.7	Springfield	format: Classic Hits; slogan to: 'The Valley's Classic Hits 97.7 FM' (WARE-1250)
MA	W251CR	98.1	Medford	silent STA granted to 5/5/23 (death of owner) (WZBR-1410)
MD	W228EI	93.5	Eidersburg	102w, 39-21-47/77-01-21
MD	WRBY-LP	100.5	Salisbury	change HAAT to 6m from 1m, no other changes
MD	WMJS-LP	102.1	Prince Frederick	silent 5/21/23 donating license to another party
MD	WCEM-FM	106.3	Cambridge	4.7k/62m, 38-29-02/76-11-20
MD	WMVK-LP	107.3	Perryville	10w/93m, 39-35-22/76-04-24
MI	WIMK	93.1	Iron Mountain	format: Rock; slogan to: '93.1 KRock' [WNGE 99.5]
MI	WHST	94.1	Pigeon	format: Country; slogan: 'The Thumb's Hottest Country' [WLEW-1340]
MI	WZNL	94.3	Norway	format: Adult Contemporary; slogan to: '94.3 The Breeze'
MI	WUPG	96.7	Republic	format: Classic Country; slogan to: 'Maverick 96.7 FM' (includes WUPG-FM1 Marquette)
MI	WGLQ	97.1	Escanaba	format: CHR; slogan to: 'GLQ 97.1 FM'
MI	W256EE	99.1	Escanaba	change freq from 98.7 (W254AG)
MI	WNGE	99.5	Negaunee	format: Rock; slogan to: '93.1 K-Rock' [WIMK 93.1]
MI	WIMI	99.7	Ironwood	slogan to: 'The Storm 99.7 & 102.3' (includes W272AY Park Falls, WI)
MI	WHCH	99.9	Ludington	format: Country: 'Hot Country Hits'
MI	WCMM	102.5	Gulliver	format: Country; 'slogan to: 'WCMM 102.5 The Moose'
MI	WKMH	102.9	Hudson	change calls from WBZV
MI	W280GB	103.9	Escanaba	250w, 45-48-08/87-08-26
MI	WGKL	105.5	Gladstone	format: Classic Hits; slogan to: 'Kool 105.5 FM WGKL'
MI	WKKM-LP	106.5	Harrison	silent 11/24/23 owner passed away
MI	WUPF	107.3	Powers	format: Classic Rock; slogan to: 'Eagle 107.3 FM'
MN	K202EO	88.3	Hibbing	move from 89.3 (K207ES)
MN	K236BT	95.1	Rochester	license cancelled
MN	K288BF	105.5	Grand Marais	silent 6/5/23, antenna failure
MN	K292GU	106.3	Waseca	format: Sports; slogan to: 'The Fan Owatonna 1170 AM 106.3 FM' (KFOW-1170)
MO	KELE-FM	92.5	Mountain Grove	format: Country; slogan to '92.5 Power Country'
MO	KFTN-LP	92.7	Fenton	silent 5/26/23, school closed for summer
MO	KOZX	98.1	Cabool	format: Rock; slogan to: 'The Zone 98.1'
MO	KPPZ-LP	98.5	Kansas City	returns to the air with R&B Oldies
MO	K254BU	98.7	Masrshall	250w-V, 39-07-39/93-11-47, move site
MO	KWXD	103.5	Asbury	format: Adult Hits: '103.5 Bob FM'
MO	K298CI	107.5	Springfield	format: Adult Hits; slogan to: '107.5 Bob FM' (KRZD-1550)
MS	WRRS	88.5	Middletorough Center	raise power to 2.3kw, move site
MS	W266BY	101.1	Greenville	format: Talk: 'The Talk of the Delta' (WNIX-1330)
MS	WLVN	101.3	Grenada	change calls from WKGF
MT	KJCB	88.9	Lockwood	Religious Teaching; slogan to: 'CSN International'
NC	NEW	88.3	Jacksonville	drop power to 950w
NC	NEW	88.3	LaGrange	change frequency from 88.5
NC	WTFG	90.3	Robbinsville	change calls from WATG
ND	K231CV	94.1	Fargo	format: Talk; slogan to: 'The Mighty 790 AM, 94.1 FM and 104.7 FM' (KFGO-790) [KFGO-FM 104.7]
ND	KJKJ	107.5	Grand Forks	format: Rock; slogan: 'KJ 108'
NE	KCHD	89.5	Chadron	initial calls
NJ	WTHA	88.1	Berlin	change calls from WNJS-FM
NJ	WUPC-LP	102.5	Arrowhead Village	silent 11/19/22 pending move to new site
NM	KLCF	91.1	Truth or Consequences	silent 5/7/23, antenna/coax failure
NM	K228FI	93.5	Las Cruces	silent 5/7/23 lost audio feed
NM	K275AO	102.9	Albuquerque	format: Classic Country; slogan to: 'Genuine Country' (KDNF-840)
NM	KKTH	104.7	Bosque Farms	format: Religious Teaching: 'La Verdad'
NM	KXOT	106.3	Los Lunas	slogan to: 'Le Mexicana 106.3' (K229CL 93.7)
NV	K203DR	88.5	Caliente	license canceled
NV	KRZQ	105.9	Amargosa Valley	move site to 36-19-00/116-05-20
NY	WCOM-FM	89.3	Silver Creek	drop powr from 8kw to 5kw
NY	WFGB	89.7	Kingston	600w/586m, 42-05-06/74-06-00
NY	W223DB	92.5	Liberty	format: News/Talk (WVOS-1240)
NY	W235AW	94.9	Monticello	format: News/Talk (WVOS-1240)

NY	WMSX	96.1	Buffalo	slogan to Star 96.1
NY	WTSS	96.1	Buffalo	format: Adult Contemporary; slogan to: 'Star 96.1'; call letter change from WMSX
NY	WXZO	96.7	Willsboro	format: Classic Hits; slogan to: 'MeTV FM 96.7'
NY	WBKV	102.5	Buffalo	format to Contemporary Christian; slogan to 'K-Love' (includes W284AP 104.7)
NY	WLYK	102.7	Cape Vincent	format: Adult Contemporary; slogan to: '102.7 Lake FM'
NY	WBDR	106.7	Copenhagen	format: CHR; slogan: 'The Border 106.7'
NY	W296EK	107.1	Brentwood	250w, 40-48-26/73-10-46
NY	WKVU	107.3	Utica	50k/151m, 43-08-38/75-10-23
OH	WHSS	89.5	Hamilton	silent; moving to new XR location
OH	W222CE	92.3	Coshocton	silent 5/29/23 transmitter issues
OH	WQXK	105.1	Salem	format: Country; slogan to: 'K 105'
OH	WXTQ	105.5	Athens	format: Classic Rock: 'Pure Rock 105 XTQ'
OH	WNHS-LP	105.7	Newcomerstown	license cancelled; callsign deleted 6/26/2023
OK	KYAL-FM	97.1	Muskogee	format: Sports; slogan to: 'The Sports Animal'
OK	KWFF	99.7	Mustang	slogan to: '99.7 The Wolf' (includes K268BR 101.5 & K297BB 107.5); Call change from KNAH
OK	KTSO-FM	100.9	Sapulpa	format: Oldies; slogan to: '100.9 Tulsa's Soft Oldies'
OK	KJOK	102.7	Hollis	format: Classic Hits
OK	K281DH	104.1	Durant	Move from 103.9 as K280GD
OK	KEYB	107.9	Altus	format: Country; slogan to: 'KEYB-FM 107.9'
ON	CFXN-FM	106.3	North Bay	format: Classic Hits; slogan to: 'Classic Hits Jet FM'
ON	CKBG-FM	107.9	Amherstberg	New Station launches with Easy Listening
OR	KQDL	89.1	Hines	300w/265m, 43-34-22/119-07-52
OR	KQDL	89.1	Hines	format: Religious Teaching; slogan to: 'CSN International'
OR	K207FI	89.3	Scio	change freq from 91.3 (K217EI)
OR	KHYK	89.9	Altamont	initial calls
OR	K213CF	90.5	Grants Pass	drop power to 10watts, V-only
OR	K213DX	90.5	Hines	90w-V, 43-34-22/119-07-52
OR	KRHR	95.1	Odell	initial calls
OR	KDLZ	101.5	The Dalles	silent STA extension granted: 6/30/2023
PA	NEW	89.3	Columbus	4kw/154m, 41-51-01/79-38-02
PA	W209CS	89.7	Erie	move from 89.3 (W207BA)
PA	WCOX	91.1	Bedford	drop power to 1.9kw, no other changes
PA	WCOR-FM	96.7	Lewis Run	change COL from Portville
PA	WFXS	98.7	Pleasant Gap	change calls from WLEJ-FM
PA	W271DA	102.1	Elizabethtown	format: Oldies: 'slogan to: 'Sweet 16 WPDC' (WPDC-1600)
PA	WKVG	105.1	Sheffield	Call change from WJKB
PA	W298CW	107.5	Butler	format: Talk; slogan to: 'WISR 680 AM/107.5 FM' (WISR-680)
PA	WFXS	98.7	Pleasant Gap	Silent 6/22/23 pending studio relocation
PR	W250CF	97.9	Arecibo	195w, 18-13-59/66-45-35
PR	WUKQ-FM	98.7	Mayagues	19k/676m, 18-08-52/66-58-57
RI	WNPH	90.7	Portsmouth	5k/113m, 41-29-53/71-27-31
RI	WNPH	90.7	Portsmouth	format: News; slogan to: 'The Public's Radio'
SC	WAAW	94.7	Williston	format: Sports; slogan to: 'Fox Sports 94.7'
SC	W238AW	95.5	West View	30w, 34-51-31/82-01-10
SC	WYRD-FM	98.9	Spartanburg	News/Talk; slogan to: '98.9 WORD' (includes W236CD 95.1 & W268DL 106.3)
SD	KLUV	89.7	Huron	change calls from KLHU. Parked temporarily.
SK	CJHD-FM	93.3	North Battleford	format: Classic Hits; slogan to: 'Beach Radio'
TN	W229DO	93.7	Knoxville	move from 105.1 (W286DT) 185w, 35-55-01/83-51-41
TN	WMLE	94.1	Germantown	Call change from WLFP-FM; format to Contemporary Christian; slogan to: 'K-Love'
TN	WRJB	95.9	Camden	format: Classic Rock; slogan to: 'B95'
TN	WNML-FM	99.1	Friendsville	format: Sports; slogan to: '99.1 The Sports Animal' [WNML-990]
TN	WLFP	99.7	Memphis	change calls from WMC-FM; format: Country; slogan to: '99.7 The Wolf'
TN	W260BA	99.9	Clarksburg	format: Sports: 'slogan to: 'FOX Sports Jackson 99.9' (WJPJ-1190)
TN	W262DQ	100.3	Hickson	format: News/Talk; slogan to: 'The Big One' (WFLI-1070)
TN	WEIO	100.9	Huntingdon	format: Country: 'slogan to: 'The Farm' [/] WWDX-1530]
TN	W278CL	103.5	Jackson	format: Talk/Oldies; slogan to: 'Kool 103' (WDXI-1310)
TN	WNFN	106.7	Franklin	format: Classic Country; slogan to: 'Y'All 106.7'
TN	WIVK-FM	107.7	Knoxville	format: Country: 'slogan to: 'The Frog 107.7 FM'
TX	KMFA	89.5	Austin	format: Classical; slogan to: 'KMFA 89.5'
TX	KRGH-FM	90.9	Holliday	change calls from KGVB-FM
TX	KSGR	91.1	Portland	raise power to 40kw
TX	KRPT	92.5	Devine	format: Country: 'The Bull 92.5 & 93.3' (includes K227BH 93.3)
TX	K225AV	92.9	Midland	silent; "lost antenna site."

TX	KSAG	93.3	Pearsall	6k/86m, 28-54-34/99-04-40
TX	KLIT	93.3	Ranchitos Las Lomas	Resumes operations using reduced power
TX	KGRW	94.7	Friona	format: Country
TX	K248DS	97.5	Fort Worth	Move from 92.1 as K221GV (KKGM-1630)
TX	K252FR	98.3	Houston	2watts, 29-33-45/95-30-36
TX	KSPF	98.7	Dallas	Classic Hits; slogan to: '98.7 The Spot'; Call change from KLUV
TX	KNNK	100.5	Dimmit	format: Classic Rock
TX	KOWJ-LP	101.1	Lufkin	Returns to the air with Southern Gospel
TX	KMMZ	101.3	Crane	format: Regional Mexican; slogan to: 'La Caliente 101.3'
TX	KOER-LP	101.5	Cypruss	silent 5/18/23 lost xmtr site due to lack of funding
TX	K274CR	102.5	Pampa	99watts, 35-34-39/100-57-10
TX	KDMX	102.9	Dallas	format: Hot AC; slogan (returns) to 'Mix 102.9'
TX	KPAS	103.1	Fabens	silent 6/4/23 transmitter hit by lightning
TX	KVWC-FM	103.1	Vernon	format: Country: 'KVWC 103.1 FM'
TX	KRIA	103.9	Plainview	format: Classic Hits
TX	KXQT	105.9	Stanton	Returns to the air with Regional Mexican: 'Tejano 105.9'
TX	KPYM	106.1	Matagorda	silent 5/11/23 due to cable vandalism
UT	KVFX	94.5	Logan	format: CHR; slogan to: '94.5 Utah's VFX' (includes K252EL 98.3, K265FA 100.9, K272AX 102.3 & K288BU 105.5) & [KVFX-FM1 94.5]
UT	KHUN	105.3	Huntington	initial calls
UT	DDK288AZ	105.5	Monticello	silent 10/20/21 and never returned to air
UT	K288AZ	105.5	Monticello	license cancelled
VA	WMVA	88.9	Painter	initial calls
VA	W300DV	99.3	Charlottesville	silent 5/11/23 transmitter problems
VA	W288ED	105.5	Charlottesville	format: Classic Hits; slogan to: '105.5 SAM FM' (// WKTR-840) [// WOJL 105.5 & WCVA-1490 (W237CA 95.3)]
VI	WVIE	107.3	Charlotte Amalie	format: Contemporary Christian: 'K-LOVE'
VT	NEW	91.3	Bennington	raise power to 300w from 100w
VT	W242DF	96.3	Poultney	license cancelled with parent WVNR-1340
WA	KMRE	88.3	Bellingham	initial calls
WA	KMRE-LP	88.3	Bellingham	initial calls
WA	KHOD	90.1	Hoodsport	2.3k/-69m, 47-23-39/123-06-47
WA	K254DK	98.7	Walla Walla	raise power to 21w from 10w
WA	KWDB	101.1	Coupeville	raise power to 10kw/157m
WA	KMRE-LP	102.3	Bellingham	license cancelled
WA	K277CZ	103.3	Shelton	format: News/Talk; slogan to: 'KMAS 1030 AM and 103.3 FM' (KMAS-1030)
WI	WGTD	91.1	Kenosha	format: News/Talk; slogan to: 'Your Gateway To Public Radio 91.1'
WI	W260CV	98.1	Racine	format: Talk (WRJN-1400)
WI	W251BU	99.9	Kenosha	format: Talk (WRJN-1400)
WI	WCFW	105.7	Chippewa Falls	format: Adult Hits; slogan to: '105.7 WCFW' (includes W228EP 93.5)
WI	W297CU	107.5	Amery	silent 5/16/23 technical issues
WV	W233CL	94.5	Bluefield	format: Country: 'slogan to: "Willie Radio 94.5" (WAMN-1050)
WV	W239CM	95.7	Morgantown	format: Sports; slogan to: 'The Mountaineer Ticket' (WMMN-920)
WV	WCST-FM	98.7	Pocatalico	change calls from WRVZ
WV	WZST	100.9	Westover	format: Hot AC; slogan to: '100.9 Jack FM'
WV	WRVZ	107.3	Pocatalico	format: 'Rhythmic CHR; slogan to: '107.3 The Beat'
WV	WRVZ	107.5	Miami	change calls from WCST-FM
WY	KCSP-FM	90.3	Casper	100k/593m, 42-44-26/106-18-26
WY	K266CC	101.1	Cheyenne	250w, 41-09-35/104-43-20
WY	KOFR-LP	107.1	Lander	silent; "lost access to tower site"



## FM DX Recap

John Zondlo - 4009 Driftwood Cir. - Yukon, OK  
73099

fmdxweb@cox.net - Next deadline: July 25  
July 2023

Please note new address above for FM DX Recap. Apparently the club's Dreamhost e-mail forwarding was having trouble getting e-mail to me.

Russ Edmunds - WB2BJH - Blue Bell, PA - Grid FN20id - EDT – [grid square of stn received]  
2 SDRPlay RSP1A SDR's, APS-9B antenna @ 15'

### 5/24 Tr

0700 WBTJ 106.5 VA Richmond, TOH ID, [FM17] 221  
0758 WCPE 89.7 NC Raleigh, TOH ID, PI: 5B7A, [FM05] 339  
0800 WCVE 88.9 VA Richmond, TOH ID, [FM17] 214  
0845 WEBE 107.9 CT Westport, ID, [FN31] 130  
0845 WLZL 107.9 MD College Park, Spanish tropical, "El Zol," [FM18] 126  
0845 WVEI 103.7 RI Westerly, WEEI Sports ID, [FN41] 214  
0848 WWRX 107.7 CT North Stonington, ID, [FN41] 197  
0848 WRHS 103.1 MD Grasonville, religious // 95.1, [FM18] 96  
0850 WBZO 103.1 NY Bay Shore, ID, [FN30] 116  
0850 WBMW 106.5 CT Pawcatuck, ID, [FN41] 197  
0850 WVBN 103.9 NY Bronxville, religious talk, VCY America, [FN30] 88  
0900 WBNJ 91.9 NJ Barnegat, TOH ID, [FM29] 57  
0902 WCDX 92.1 VA Mechanicsville, TOH ID, [FM17] 213

### 5/31 Es

0832 KYFL 89.5 LA Monroe, RDS capture, PI: 4FED, [EM32] 1072  
0833 WFIX 91.3 AL Florence, RDS capture, PI: 62C3, [EM64] 779  
0834 KJGM 88.3 LA Bastrop, SONLIFE, [EM42] 1057  
0838 WMAV 90.3 MS Oxford, RDS capture, PI: 75EB, [EM54] 889  
0840 WMPN 91.3 MS Jackson, RDS capture, PI: 75EB, [EM42] 986  
0846 WMAU 88.9 MS Bude, RDS capture, PI: 75EB, [EN41] 1056  
0853 WMAE 89.5 MS Booneville, RDS capture, PI: 745C, [EM54] 822  
0901 WXKV 90.5 TN Selmer, RDS capture, PI: 927D, [EM55] 802  
0903 WLRK 91.5 MS Greenville, RDS capture, wrong PI, PI: 82B4, [EM43] 998  
0904 KAKV 88.9 AR El Dorado, RDS capture, PI: 1119, [EM33] 1076  
0904 KIXB 103.3 AR El Dorado, ID, [EM33] 1086  
0904 KXSA 103.1 AR Dermott, local ads, [EM43] 1009  
0905 WCQC 91.3 MS Clarksdale, RDS capture, PI: 0000, [EM44] 945  
0913 WFHU 91.5 TN Henderson, RDS capture, PI: 62A6, [EM55] 799  
0915 WNRZ 91.5 TN Dickson, RDS capture, PI: 78CF, [EM66] 723  
0918 WKLV 93.5 AL Butler, K-Love, [EM52] 919  
0918 WVSD 91.7 LA Itta Bena, RDS capture, PI: 8DF3, [EM43] 950  
0919 WKXG 92.7 MS Moorhead, RDS capture, PI: 716C, [EM43] 950  
0930 KEDM 90.3 LA Monroe, ID, [EM42] 1061  
0930 KQCV 95.1 OK Shawnee, Bott Network, [EM15] 1198  
0937 KFXI 92.1 OK Marlow, ID, [EM04] 1300

0944 KUAR 89.1 AR Little Rock, RDS capture, PI: 44E1, [EM34] 1011  
 0951 WUSF 89.7 FL Tampa, RDS capture, PI: 8B51, [EL87] 940  
 0951 WMAW 88.1 MS Meridian, RDS capture, PI: 75EB, [EM52] 920  
 0952 WSMR 89.1 FL Sarasota, RDS capture, PI: 8579, [EL87] 988  
 0953 KHKN 94.9 AR Maumelle, RDS capture, PI: 138D, [EM34] 1009  
 0953 WCTQ 92.1 FL Venice, RDS capture, PI: 1BEE, [EL87] 987  
 0953 KRLE 89.7 AL Carbon Hill, RDS capture, PI: 3E06, [EM64] 799  
 0953 KDQN 92.1 AR DeQueen, ID, [EM24] 1121  
 0954 WUAL 91.5 AL Tuscaloosa, RDS capture, PI: 8983, [EM63] 829  
 0955 WJXM 95.1 MS Jackson, RDS capture, PI: 6ECE, [EM52] 921  
 0956 KTTG 96.3 AR Mena, ID, [EM34] 1089  
 0958 KBEL 96.7 OK Idabel, ID – new+G60, [EM23] 1160  
 0958 KWCK 99.9 AR Searcy, local ads, [EM45] 964  
 1006 WQPR 88.7 AL Muscle Shoals, RDS capture, PI: A87F, [EM62]  
 1007 WDNX 89.1 TN Olive Hill, RDS capture, PI: 5DFD, [EM55] 777  
 1011 KWFX 100.1 OK Woodward, ID, [EM06] 1334  
 1013 KWCL 96.7 LA Oak Grove, event promo, [EM42] 1023  
 1013 WZLQ 98.5 MS Tupelo, RDS capture, PI: 97DA, [EM54] 867  
 1013 WJLV 94.7 MS Jackson, RDS capture, PI: 6D9F, [EM42] 996  
 1014 WQXB 100.1 MS Grenada, RDS capture, PI: 813F, [EM53] 916  
 1014 WUSJ 96.3 MS Madison, RDS capture, PI: 8B55, [EM42] 992  
 1015 WDMS 100.7 MS Greenville, RDS capture thru semi-local WLEV, PI: 5DDE, [EM43] 985  
 1016 WCKK 96.7 MS Walnut Grove, RDS capture, PI: 5AFE, [EM52] 929  
 1018 KTCS 99.9 AR Fort Smith, ID, [EM25] 1116  
 1020 WTCD 96.9 MS Indianola, RDS capture, PI: 870B, [EM43] 948  
 1020 WYMX 99.1 MS Greenwood, station promo, [EM43] 948  
 1020 WBYB 98.3 MS Cleveland, event promo, [EM63] 959  
 1022 KURB 98.5 AR Little Rock, RDS capture, PI: 468B, [EM34] 1009  
 1024 WBLE 100.5 MS Batesville, ID, [EM54] 889  
 1024 KNRB 100.1 TX Atlanta, SONLIFE, [EM23] 1142  
 1027 WZYQ 101.7 MS Mound Bayou, RDS capture, PI: 992C, [EM43] 954  
 1027 WOWL 91.9 MS Burnsville, RDS capture, PI: 7BE7, [EM54] 804  
 1028 KBYB 101.7 AR Hope, RDS capture, PI: 1515, [EM33] 1115  
 1028 KIPR 92.3 AR Pine Bluff, RDS capture, PI: 26B7, [EM34] 1009  
 1030 KZBL 100.7 LA Natchitoches, ID thru semi-local WLEV, [EM31] 1145  
 1030 WORM 101.7 TN Savannah, ID, [EM55] 785  
 1031 KNBB 97.7 LA Dubach, Fox Sports, [EM32] 1092  
 1031 WKXY 92.1 MS Merigold, RDS capture, PI: 717E, [EM44] 935  
 1032 WCJK 96.3 TN Murfreesboro, RDS capture, PI: 5AE4, [EM66] 681  
 1032 KBAN 91.5 LA DeRidder, RDS capture, AFR, PI: 0000, [EM30] 1193  
 1033 KASU 91.9 AR Jonesboro, RDS capture, PI: 11E8, [EM45] 867  
 1034 KLBQ 101.5 AR Junction City, ID thru semi-local WKXW, new+G90, [EM32] 1083  
 1034 WMSB 88.9 MS Byhalia, RDS capture, PI: 762D, [EM54] 873  
 1035 WSMS 99.9 MS Artesia, RDS capture, PI: 857A, [EM53] 861  
 1037 WXOF 96.7 FL Yankeetown, event promo, [FN21] 876  
 1039 KMRX 96.1 AR El Dorado, RDS capture, PI: 3181, [EM33] 1071  
 1043 WLUV 97.1 TN Belle Meade, RDS capture, PI: 73EA, [EM66] 677  
 1046 KMAG 99.1 AR Fort Smith, RDS capture, PI: 2FB6, [EM20] 1030  
 1047 WMOT 89.5 TN Murfreesboro, RDS capture, PI: 75D7, [EM66] 668  
 1054 KTFX 101.7 OK Warner, ID, [EM25] 1129  
 1055 WYJJ 97.7 TN Trenton, PSA's, [EM55] 802  
 1055 WJIZ 96.3 GA Albany, ID, [EM71] 770  
 1055 WBBN 95.9 MS Taylorsville, RDS capture, PI: 5773, [EM51] 986  
 1055 WJNA 96.7 SC Westminster, Good News Network promos, [EM84] 572



1055 KCXY 95.3 AR East Camden, RDS capture, PI: 17B6, [EM33] 1072  
1055 WMC 99.7 TN Memphis, event promo, [FM45] 875  
1055 KDPX 101.3 AR Pine Bluff, local ads, [EM44] 572  
1055 WHRK 97.1 TN Memphis, ID, [EM45] 875  
1056 WWUN 101.5 MS Friar's Point, CSN announcements, [EM44] 926  
1100 KYKC 100.1 OK Byng, ID, [EM14] 1229  
1101 WOKK 97.1 MS Meridian, RDS capture, PI: 7AAE, [EM52] 920  
1102 WJDQ 101.3 MS Meridian, ID, [EM52] 921  
1102 KTRQ 102.3 AR Colt, ID, [EM45] 916  
1103 WEIO 100.9 TN Huntingdon, ID, [EM66] 774  
1104 WRBV 101.7 GA Warner Robins, ID, [EM82] 696  
1104 WWTM 99.7 TN Hendersonville, ID, [EN44] 681  
1104 KMCO 101.3 OK Wilburton, local ads, [EM24] 1171  
1104 WWLY 100.1 FL Panama City Beach, ID, [EM70] 881  
1105 WPBB 98.7 FL Holmes Beach, ID, [EL87] 946  
1105 WBVR 96.7 KY Auburn, RDS capture, PI: a597F, [EM67] 645  
1106 WDJR 96.9 AL Hartford, RDS capture, PI: 5D8F, [EM70] 866  
1112 KUAF 91.3 AR Fayetteville, RDS capture, PI: 44D5, [EM36] 1061  
1116 KOSU 91.7 OK Stillwater, RDS capture, PI: 36E0, [EM15] 1245  
1118 KVOO 98.5 OK Tulsa, ID, [EM16] 1160  
1118 WKJQ 97.3 TN Parsons, RDS capture, PI: 5AFE, [EM55] 766  
1118 WASL 100.1 TN Dyersburg, PSA for Dyersburg State College, [EM56] 821  
1118 KXXY 96.1 OK Oklahoma City, event promo, [EM15] 1248  
1120 KEAZ 100.7 AR Kensett, ID, [EM45] 961  
1122 WGOV 96.7 GA Valdosta, ID, [EM55] 774  
1122 KEGI 100.5 AR Trumann, ID, [EM45] 886  
1123 KNYD 90.5 OK Broken Arrow, RDS capture, PI: 34C7, [EM25] 1160  
1126 KQOB 96.9 OK Enid, ID, [EM15] 1249  
1126 KBFC 93.5 AR Forrest City, RDS capture, PI: 1328, [EM45] 902  
1126 KWLR 96.9 AR Bigelow, RDS capture, PI: 4B47, [EM34] 1005  
1127 WHBX 96.1 FL Tallahassee, ID, [EM70] 851  
1128 KTXR 98.7 MO Springfield, ID, [EM37] 996  
1128 KWFC 89.1 MO Springfield, RDS capture, PI: 4A9C, [EM37] 994  
1132 KAIA 91.5 MO Bloomfield, RDS capture, PI: A1D0, [EM55] 846  
1135 KZCH 96.3 KS Derby, local ad, [EM17] 1197  
1135 KBFL 99.9 MO Buffalo, ID, [EM37] 975  
1135 KKOW 96.9 KS Pittsburg, ID, [EN22] 991  
1136 KICT 95.1 KS Wichita, RDS capture, PI: 2567, [EM17] 1203  
1146 KMUW 89.1 KS Wichita, RDS capture, PI: 31CE, [EM17] 1198  
1147 KHMY 93.1 KS Pratt, RDS capture, PI: 23CC, [EM07] 1242  
1149 WTIX 94.3 LA Galliano, RDS capture, PI: 87BB, [EL59] 1099  
1154 KATI 94.3 MO California, RDS capture, PI: 11F6, [EM38] 930  
1202 WRKF 89.3 LA Baton Rouge, RDS capture, PI: 8295, [EM40] 1121  
1204 KPAQ 88.1 LA Plaquemines, RDS capture, AFR, PI: 0000, [EM40] 1131  
1207 WYLD 98.5 LA New Orleans, ID, [EL59] 1090  
1207 KJTH 89.7 OK Ponca City, ID, [EM16] 1229  
1207 KKDT 93.5 KS Burdett, ID, [EM08] 1304  
1207 KHCD 89.5 KS Salina, classical, promo, [EM19] 1176  
1208 KTDY 99.9 LA Lafayette, RDS capture, PI: 4292, [EM30] 1169  
1209 KBDD 91.9 KS Winfield, SONLIFE, [EM17] 1180  
1209 KLRQ 96.1 MO Clinton, ID, [EM38] 980  
1209 WEZB 97.1 LA New Orleans, ID, [EL49] 1090  
1210 KCIL 96.7 LA Gray, ID, [EL49] 1143  
1211 KXKC 99.1 LA New Iberia, RDS capture, PI: 4DC2, [EM40] 1154

1211 KANU 91.5 KS Lawrence, KPR promo, [EM28] 1066  
1212 WGUO 94.9 LA Reserve, ID, [EM40] 1104  
1212 WFFN 95.3 AL Coaling, ID, [EM83] 825  
1215 KQKI 95.3 LA Bayou Vista, ID, [EM49] 1158  
1216 WWRA 91.9 LA Clinton, Spanish, Radio Amor ID, [EM40] 1083  
1216 WLXW 89.7 MS Waynesboro, K-Love, [EM51] 950  
1216 KTSR 92.1 LA DeQuincy, local ads, [EM30] 1223  
1217 KYKZ 96.1 LA Lake Charles, weather, [EM30] 1224  
1218 KRVE 96.1 LA Brusly, promo, new=G165, [EM40] 1108  
1219 WYOY 101.7 MS Gluckstadt, RDS capture, PI: 958C, [EM39] 986  
1219 KZMZ 96.9 LA Alexandria, RDS capture, PI: 5355, [EM31] 1151  
1224 KTJM 98.5 TX Port Arthur, Spanish, Texas PSA, [EL29] 1290  
1224 KSMB 94.5 LA Lafayette, local ads thru semi-local WDAC, [EM30] 1168  
1225 KQID 93.1 LA Alexandria, RDS capture, PI: 3B13, [EM31] 1112  
1226 KYKR 95.1 TX Beaumont, ID, [EM30] 1262  
1227 KHIH 99.9 TX Liberty, KSBJ ID, [EM20] 1288  
1227 KKST 98.7 LA Oakdale, local ad, [EM54] 1151  
1227 WHJT 93.5 KS Kearney Park, ID, [EM42] 989  
1229 KAYT 88.1 LA Jena, Gospel, ID, [EM31] 1131  
1230 KLDN 88.9 TX Lufkin, classical, ID, [EN21] 1244  
1238 KTYL 93.1 TX Tyler, ID, [EM22] 1221  
1242 KOYE 96.7 TX Frankston, Spanish ID "La Invasora," [EM22] 1252  
1246 KNUE 101.5 TX Tyler, ID thru semi-local WKXW, [EM22] 1221  
1250 KYLV 88.9 OK Oklahoma City, K-Love, [EM15] 1248  
1250 KVNE 89.5 TX Tyler, ID, [EM22] 1224  
1251 KRUF 94.5 LA Shreveport, local ads thru semi-local WDAC, [EM32] 1157  
1252 KRWR 92.1 TX Tyler, promo for Texas Rangers baseball, [EM22] 1232  
1253 KGLY 91.3 TX Tyler, ID, [EM22] 1233  
1254 KLTY 94.9 TX Arlington, ID, [EM12] 1318  
6/1 Es  
1818 WQCS 88.9 FL Fort Pierce, RDS capture – (WCQS), PI: 5BA2, [EL97] 925  
1819 WSCF 91.9 FL Vero Beach, ID, [EL97] 913  
1820 WFIT 89.5 FL Melbourne, ID, [EL98] 888  
1840 WKRO 93.1 FL Port Orange, ID, [EL98] 840  
1842 WPOZ 88.3 FL Orlando, RDS capture, PI: 7DC9, [EL98] 868  
1845 WSMR 89.1 FL Sarasota, RDS capture, PI: 8579, [EL87] 988  
1847 WBVM 90.5 FL Tampa, RDS capture, PI: 597A, [EL87] 939  
1847 WUSF 89.7 FL Tampa, RDS capture, PI: 8B51, [EL87] 940  
1848 WKTO 88.9 FL Edgewater, ID, [EL99] 834  
1848 WWRM 94.9 FL Tampa, RDS capture, PI: A986, [EL87] 941  
1850 WCTQ 92.1 FL Venice, RDS capture, PI: 1BEE, [EL87] 987  
1850 WYFZ 91.3 FL Belleview, BBN, [EL89] 851  
1852 WWKA 92.3 FL Orlando, RDS capture, PI: 8FC4, [EL98] 863  
1856 WCFB 94.5 FL Daytona Beach, ID, [EL98] 847  
1900 WKES 91.1 FL Lakeland, Moody Florida ID, [EL88] 919  
1905 WFLZ 93.3 FL Tampa, RDS capture thru local WMMR, PI: 1313, [EL87] 940  
1906 WJLH 90.3 FL Flagler Beach, RDS capture, PI: 6D9E, [EL99] 815  
1907 WWRZ 98.3 FL Fort Meade, ID, [EL97] 928  
1907 WBHQ 92.7 FL Beverly Beach, ID, [EL99] 807  
1907 WIKX 92.9 FL Charlotte Harbor, ID, [EL87] 994  
1909 WQMP 101.9 FL Daytona Beach, ID, [EL98] 848  
1913 WQIK 99.1 FL Jacksonville, ID, [EM90] 769  
1913 WPOI 101.5 FL St. Petersburg, RDS capture thru semi-local WKXW, PI: 7DB8, [EL87] 940  
1922 WPBB 98.7 FL Holmes Beach, ID, [EL87] 946

1937 WJIS 88.1 FL Bradenton, RDS capture, PI: 6D4E, [EL87] 987  
6/9 Es  
1922 KQCV 95.1 OK Shawnee, preaching // other Bott stations, [EM15] 1198  
1922 KJTH 89.7 OK Ponca City, ID, [EM16] 1229  
1922 KOSU 91.7 OK Stillwater, RDS capture, PI: 36E0, [EM15] 1245  
1944 KCKJ 89.5 MO Sarcoxie, local sponsor announcements, [EM37] 1024  
1946 KBIA 91.3 MO Columbia, local sponsor announcements, [EM38] 908  
1948 KATI 94.3 MO California, event promo, [EM38] 930  
1950 KWFC 89.1 MO Springfield, RDS capture, PI: 4A9C, [EM37] 994  
1950 KMCV 89.9 MO High Point, Bott promo, [EM38] 927  
1950 KLRQ 96.1 MO Clinton, K-Love, [EM38] 980  
1950 KCMQ 96.7 MO Columbia, ID, [EM38] 903  
1957 KCVW 94.3 KS Kingman, Bott promos, [EM07] 1240  
1957 KICT 95.1 KS Wichita, ID, [EM17] 1198  
2007 KANU 91.5 KS Lawrence, RDS capture, PI: 1166, [EM28] 1067  
2010 KYKC 100.1 OK Byng, ID, [EM14] 1229  
6/11 Es  
1513 KHFI 96.7 TX Georgetown, local ads, [EM10] 1436  
1515 KOYE 96.7 TX Frankston, Spanish ballads, ID, [EM22] 1252  
1520 KAMX 94.7 TX Luling, ID, [EM10] 1435  
1650 KLTY 94.9 TX Arlington, promo, [EM12] 1318  
1652 KSCS 96.3 TX Fort Worth, ID, [EM12] 1326  
1654 KNON 89.3 TX Dallas, ID, [EM12] 1310  
1654 KTFW 92.1 TX Glen Rose, ID, [EM02] 1374  
1716 KVNE 89.5 TX Tyler, RDS capture, PI: 48CA, [EM22] 1224  
1716 KGLY 91.3 TX Tyler, RDS capture, PI: 210E, [EM12] 1233  
1723 WACO 99.9 TX Waco, ID, [EM11] 1372  
1756 KNDE 95.1 TX College Station, ID, [EM10] 1353  
1758 KMJJ 99.7 LA Shreveport, ID, [EM32] 1158  
1800 KHML 91.5 TX Madisonville, ID, [EM21] 1313  
1800 KFLO 89.1 LA Blanchard, ID, [EM32] 1171  
1800 KALD 91.9 TX Caldwell, ID, [EM10] 1367  
1805 KROX 101.5 TX Buda, RDS capture over/thru semi-local WKXW, PI: 3E67, [EM10] 1451  
1818 KBYB 101.7 AR Hope, RDS capture, PI: 1515, [EM33] 1115  
1818 KTYR 89.7 TX Trinity, Spanish "Radio Aleluya," [EM21] 1294  
1825 KZXL 96.3 TX Hudson, ID, [EM21] 1294  
1828 KTSR 92.1 LA DeQuincy, ID, [EM30] 1223  
1829 KZMZ 96.9 LA Alexandria, RDS capture, PI: 5355, [EM31] 1151  
1837 WXWX 96.3 MS Marietta, ID, New+F52, [EM54] 838  
1852 WSMS 99.9 MS Artesia, ID, [EM53] 861  
1858 KKST 98.7 LA Oakdale, local PSAs, [EM54] 1151  
1900 KTJM 98.5 TX Port Arthur, Spanish ID, [EL29] 1290  
1900 KTEZ 99.9 LA Zwolle, ID, [EM31] 1183  
1900 KJGM 88.3 LA Bastrop, ID, [EM42] 1057  
1900 KLDN 88.9 TX Lufkin, Red River Radio pledge drive, [EM21] 1244  
1900 KAVK 89.3 LA Many, RDS capture, PI: 122C, [EM31] 1131  
1901 KRGL 98.5 LA Ringgold, KHCB ID, [EM32] 1131  
1902 KQID 93.1 LA Alexandria, RDS capture, PI: 3B13, [EM31] 1112  
1907 KRVV 100.1 LA Bastrop, ID, [EM42] 1057  
1908 KYFL 89.5 LA Monroe, RDS capture, PI: 4FED, [EM32] 1072  
1909 KPCH 97.7 LA Dubach, local ads, [EM32] 1092  
1909 KTXJ 102.7 TX Jasper, local ads, [EM31] 1219  
1935 KXBJ 96.9 TX El Campo, RDS capture, PI: 4CDF, [EL18] 1417  
1955 KSBJ 89.3 TX Humble, ID, [EM20] 1308

**John Zondlo** – 4009 Driftwood Circle – Yukon, OK 73099 – All New – CDT

Sony XDR-F1HD tuner, AirSpy HF+Discovery, SDRPlay RSPdx, SDR Console, APS-9B antenna @ 16'

5/30 Es

1618 WAPN 91.5 FL Holly Hill, rel music, RDS 1065  
1634 WNUE 98.1 FL Deltona, in over local WWLS with HD 1066  
1651 WKVH 91.9 FL Monticello, K-Love, RDS (so glad more and more K-Love stns have RDS!) 873  
1659 WGOV 96.7 GA Valdosta, ID, rap 896  
1724 XHOE 95.5 QT Santiago de Queretaro, SS, RDS 1042  
1810 XHVI 99.1 QT San Juan del Rio, SS, Exa FM 1053  
1908 XHPCZA 88.3 PU Chignahuapan-Zacatlan, full ID, SS, "La Magnifica" 1081

5/31 Es

1013 WQXK 105.1 OH Salem, "K-105," "Your hometown country station" 988  
1017 WMVR 105.5 OH Sidney, "1055 WMVR," RDS 810  
1021 WKZA 106.9 NY Lakewood, CHR, "Kiss" 1089  
1033 WGDE 91.9 OH Defiance, //WGTE Toledo 826  
1034 WVME 91.9 PA Meadville, Moody Radio program 1039  
1053 CJLF 100.3 ON Barrie, "Life FM," CCM 1133  
1102 WEDG 103.3 NY Buffalo, RDS 1128

6/2 Es

1209 WQIQ 88.3 VA Spotsylvania, RDS 1128

6/5 Es

1235 KMGJ 93.1 CO Grand Junction, RDS, "Magic," urban 643  
1240 KUOL 94.5 NV Elko, RDS, "Cool 94" 1043  
1245 KENZ 94.9 UT Provo, RDS, local spots 825  
1245 KUTN 96.7 UT Levan, "Flashback 96.7" 821  
1248 KBZN 97.9 UT Ogden, "Now 97-9" 864

6/10 Es

0940 KUXU 88.3 UT Monroe, //KUER 820  
1211 XHAVR 89.1 VC Alvarado, SS, "Radio Formula" 1163  
1244 XHESC 103.9 CM Francisco Escarcega, "Ke Buena" 1265  
1300 XHMI 100.3 CM San Francisco de Campeche, talk about the estado 1168

6/11 Es

1619 WPJW 91.5 WV Hurricane, "Walk FM," RDS, CCM 890  
1653 WIFC 95.5 WI Wausau, rock, RDS 780  
1656 WMMA 93.9 WI Nekoosa, RDS, over local LPFM 736  
1658 KCVI 93.5 IA Evansdale, RDS, first ever Es from Iowa 563  
1700 WUPN 95.1 MI Paradise, RDS, ID 1012  
1701 KCZE 95.1 IA New Hampton, RDS 597  
1702 WQPC 94.3 WI Prairie Du Chien, "Q-94," country, RDS 629  
1719 WGGL 91.1 MI Houghton, RDS, classical 932  
1732 WKFX 99.1 WI Rice Lake, RDS 758  
1737 WCMP 100.9 MN Pine City, "Cool Country," country, RDS 755  
1741 KBK 95.5 MN Mora, RDS 753  
1742 KULO 94.3 MN Alexandria, RDS 728  
1748 K226CV 93.1 MN Grand Rapids, RDS, translator of KOZY 1320 in Grand Rapids 839  
1749 WJQM 93.1 WI DeForest, RDS 697  
1754 KLLZ 99.1 MN Walker, rock, RDS 818

1755 W250CV 97.9 WI Green Bay, RDS PI: FFFF, liberal talk from the Civic Media group of stations, sounds like a NPR station, //WGBW 1590 Green Bay 807

6/17 Es

1951 K228FR 93.5 UT Roosevelt, translator for KNEU 980, logged the AM last year 775

2032 KBSS 91.1 ID Sun Valley, //KBSW 1046

6/20 Tr

0835 KVWE 102.9 TX Amarillo, thru HD sideband of KJYO 102.7, ESPN radio 231

0845 KLMR 93.5 CO Lamar, spot for Gonzales Unlimited Auto Body, other local spots, RDS, AC, neat hearing this after their recent national headlines, in for over an hour 323

0937 K244FS 96.7 TX Perryton, // to KEYE 1400, also had their co-owned full power FM in 181

6/22 Es

1235 WBJD 91.5 NC Atlantic Beach, classical, RDS 1187

1258 WLGP 100.3 NC Harkers Island, SBN news, ID 1197

1348 WKNC 88.1 NC Raleigh, in HD over local KMSI 88.1 1071

1359 WIQR 88.7 VA Lexington, // WQIQ, ID 1025

1407 WNCO 101.3 OH Ashland, calls, country 915

1437 WJXQ 106.1 MI Charlotte, rock, RDS 846

1440 CIMJ 106.1 ON Guelph, "Magic 106.1," local wx 1082

1447 WDMK 105.9 MI Detroit, "105.9 Kiss FM," RDS 918

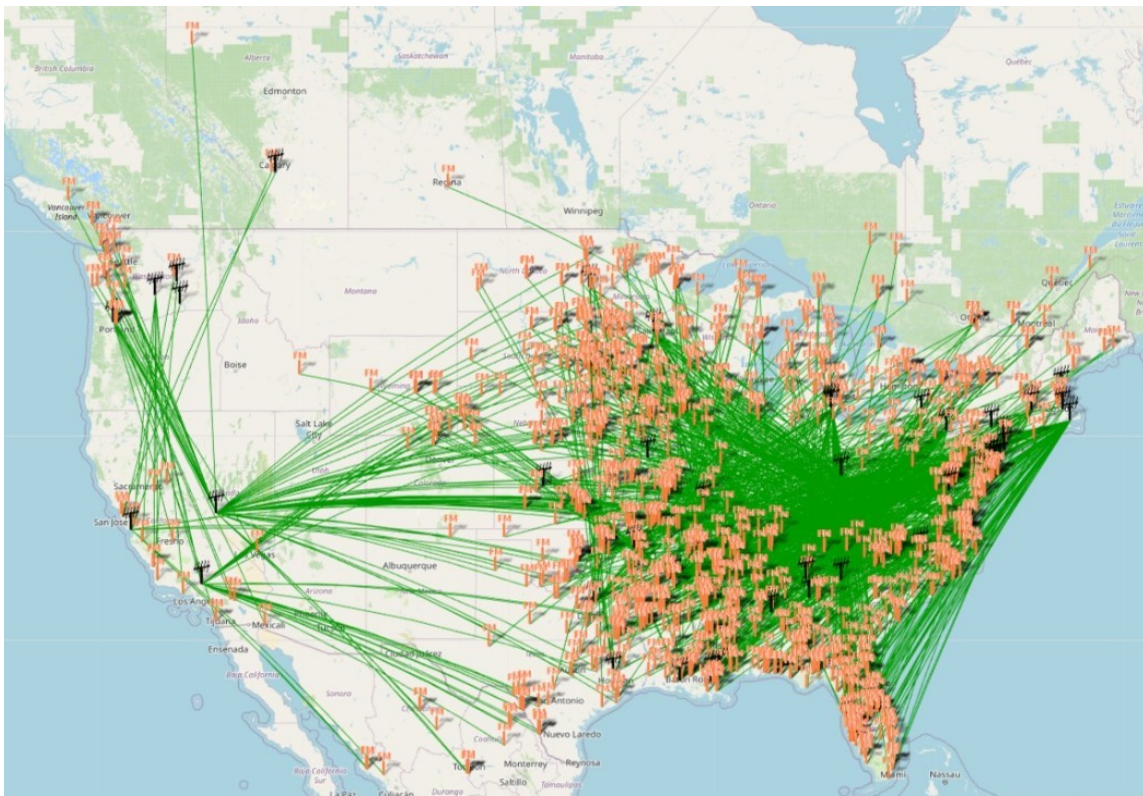
1454 WYCA 102.3 IL Crete, "Rejoice FM," worked at WYCA when it was on 92.3 in Hammond IN (my hometown), 92.3 is now WPWX, both owned by Crawford 683

1506 WCKL 97.9 IL Chicago, "K-love," RDS 700

1517 WCMW 103.9 MI Harbor Springs, // WCMU 957

1521 WDSE 103.3 MN Duluth, rock, RDS 832

1544 WIRC 89.3 MN Ely, sports rpt, NPR's *All Things Considered* 908



May 31st E Skip Map



# TV DX and Photos



**Eric Bueneman NØUIH 631 Coachway Ln, Hazelwood, MO 63042-1347**  
Email: [n0uiheric@gmail.com](mailto:n0uiheric@gmail.com) - Deadline the 10th of the month

Before I go any further, I have a correction to the article on taking pictures and video captures of TV DX featured in the May 2023 VUD. I mentioned the picture of Glenn Hauser's reception of AFKN 2 Seoul, South Korea (via F2 skip) in a book on the radio hobby by Hank Bennett. I received an E-mail from Glenn, informing me that the reception took place in Thailand, not in Enid, OK. Thanks for letting me know. Now, on to the logs!

**Ryan Grabow**, DXing from Crystal River, FL.

All times are EDT.

All my logs are available at [egrabow.com/logbook](http://egrabow.com/logbook)

ATSC 1.0 catches with Insignia NS-DXA1 and Philips PT-902. ATSC 3.0 catch with Zapperbox, Channel Master CM-5016 yagi.

## **May 11, 2023** (tr)

0750 WUVG 18 (34) GA, Athens (UNI)	351/565	
0750 WATL 25 (36,11) GA, Atlanta (MyNet)	351/565	
0810 WTVM 11 (9) GA, Columbus (ABC)	267/429	
0810 WRBL 15 (3) GA, Columbus (CBS)		267/429
0810 WGBP 17 (66) AL, Opelika (Local)	267/429	
0830 WLTZ 35 (38) GA, Columbus (NBC)	277/446	
0942 WVUP-CD 30 (45) FL, Tallahassee (CTN)	147/236	

## **May 12, 2023** (tr)

0705 WRXY 33 (49) FL, Tice (CTN)	155/249
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## **May 14, 2023** (tr)

0715 WTBT-LD 27 (45) FL, Tampa (Diya TV)	78/125
0715 WZVN 28 (26) FL, Naples (ABC)	154/248
0715 WRMD-CD 30 (49) FL, Tampa	78/125
0730 WFTX 34 (36) FL, Cape Coral (Fox)	155/249

Eric, I appreciate you bringing TV DX back to the VUD. Let's see if we can keep it full of DX. Here are my catches from a recent trip to Crystal River. I made the two-hour trip to get away from Orlando's local congestion. Lord willing, I'll bag Texas and Mexico via tropo before long. There's one spot in Orlando I've had luck with too. I don't log subchannels, even if they make it into my YouTube videos. (And I don't include the ".1" for the channel numbers; for the RF channels, this seems confusing.) This was my first outing with the Zapperbox, and WMOR was my first ATSC 3.0 DX. Is mine the first 3.0 catch in the VUD? (See the picture section below – eb) Thanks. 73s. Ryan Grabow, Altamonte Springs, FL.

Later on in the column, I'll have some of Ryan's DX pictures!

**Eric Bueneman (NØUIH)**, Hazelwood, MO

1984 Samsung 19" color TV, 1999 Daewoo 13" color TV, two Zenith DTT-901 ATSC-1 tuners, Hauppauge WinTV HVR dongle, Channel Master CM3020 at 28 feet (8.5 m) above ground level. All times CDT.

## **May 17, 2023** (tr)

0710 WTHI 10.1 (10.1) IN, Terre Haute (CBS)	170/274
0712 WTHI 10.2 (10.2) IN, Terre Haute (Fox)	170/274
0713 WTHI 10.3 (10.3) IN, Terre Haute (CW)	170/274
0713 WTHI 10.4 (10.4) IN, Terre Haute (Ion)	170/274
0718 WKYT 21.3 (27.3) KY, Lexington (Circle)	330/531
0721 WTVW 22.1 (7.1) IN, Evansville (Local)	165/266
0722 WTVW 22.2 (7.2) IN, Evansville (Bounce)	165/266
0722 WTVW 22.3 (7.3) IN, Evansville (Escape)	165/266
0723 WTVW 22.4 (7.4) IN, Evansville (Ion)	165/266
0724 WKYT 21.1 (27.1) KY, Lexington (CBS)	330/531
0753 WNIN 9.1 (9.1) IN, Evansville (PBS)	165/266
0753 WNIN 9.2 (9.2) IN, Evansville (Create)	165/266
0817 WKYT 21.2 (27.2) KY, Lexington (CW)	330/531
0818 WKYT 21.4 (27.4) KY, Lexington (MeTV)	330/531
0818 WKYT 21.5 (27.5) KY Lexington (Dabl)	330/531
0819 WKYT 21.6 (27.6) KY Lexington (Weather)	330/531

0859 WLJC 7.1 (65.1) KY, Beattyville (CoziTV)	370/595
0903 WLJC 7.2 (65.2) KY, Beattyville (The Grio)	370/595
0904 WLJC 7.3 (65.3) KY, Beattyville (Antenna)	370/595
0905 WLJC 7.4 (65.4) KY, Beattyville (GetTV)	370/595
0905 WLJC 7.5 (65.5) KY, Beattyville (ThisTV)	370/595
0906 WLJC 7.6 (65.6) KY, Beattyville (Start)	370/565
0906 WLJC 7.7 (65.7) KY, Beattyville (H&I)	370/565

**June 5, 2023 (tr)**

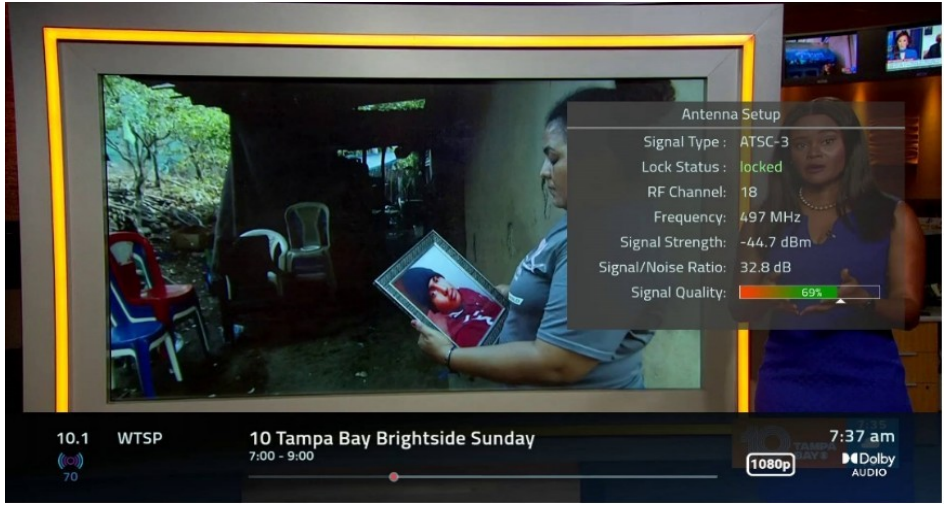
0400 WGEM 10.1 (10.1) IL, Quincy (NBC)	110/177
0400 WGEM 10.2 (10.2) IL, Quincy (CW)	110/177
0401 WGEM 10.3 (10.3) IL, Quincy (Fox)	110/177
0401 WGEM 10.4 (10.4) IL, Quincy (MeTV)	110/177
0403 KHQA 7.1 (7.1) MO, Hannibal (CBS)	85/137

**June 8, 2023 (tr)**

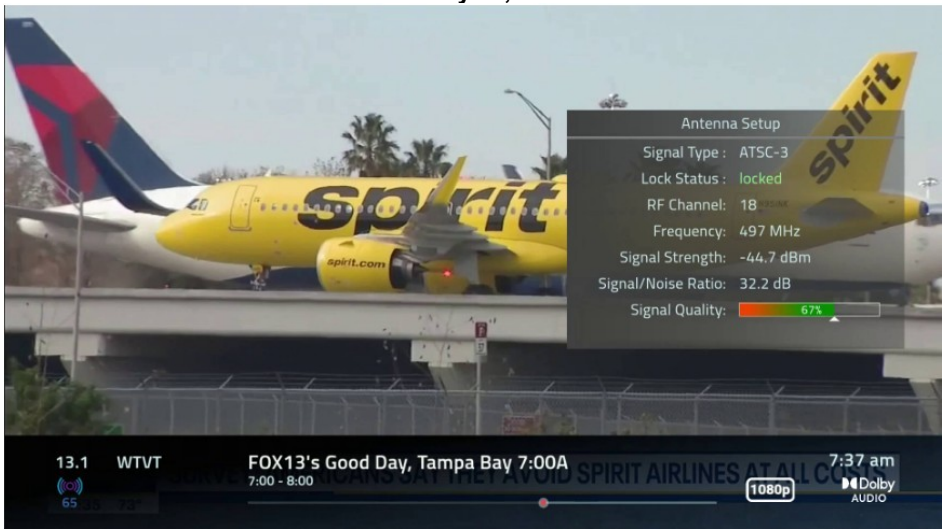
0645 WILL 9.1 (12.1) IL, Urbana (PBS)	155/249
0645 WILL 9.2 (12.2) IL, Urbana (PBS Kids)	155/249
0646 WILL 9.3 (12.3) IL, Urbana (Create)	155/249
0647 WICS 15.1 (20.1) IL, Springfield (ABC)	80/128
0654 WEAE-LD 21.1 (21.1) IL, Springfield (info)	80/128
0658 WEAE-LD 21.2 (21.2) IL, Springfield (info)	80/128
0658 WEAE-LD 21.3 (21.3) IL, Springfield (info)	80/128
0659 WEAE-LD 21.4 (21.4) IL, Springfield (MMV)	80/128
0708 WCIA 34.1 (3.1) IL, Champaign (CBS)	150/240
0709 WCIA 34.2 (3.2) IL, Champaign (WCIX 11/49)	150/240
0709 WCIA 34.3 (3.3) IL, Champaign (Bounce)	150/240
0710 WCIA 34.4 (3.4) IL, Champaign (Grit)	150/240
0724 KRCG 29.1 (13.1) MO, Jefferson City (CBS)	100/161
0725 KRCG 29.2 (13.2) MO, Jefferson City (Comet)	100/161
0726 KRCG 29.3 (13.3) MO, Jefferson City (Charge!)	100/161
0726 KRCG 29.4 (13.4) MO, Jefferson City (TBD)	100/161
0753 WRSP 15 (55) IL, Springfield (Fox, ex-RF 16)	80/128
0755 KIIN 12.1 (12.1) IA, Iowa City (Iowa PBS)	225/362
0756 KIIN 12.2 (12.2) IA, Iowa City (PBS Kids)	225/362
0756 KIIN 12.3 (12.3) IA, Iowa City (World)	225/362
0757 KIIN 12.4 (12.4) IA, Iowa City (Create)	225/362
0833 WICD 32.3 (15.3) IL, Champaign (TBD)	150/240
0834 WICD 32.1 (15.1) IL, Champaign (ABC)	150/240
0834 WICD 32.2 (15.2) IL, Springfield (Comet)	150/240
0835 WICD 32.4 (15.4) IL, Champaign (Charge!)	150/240
0836 WCCU 32 (27) IL, Urbana (Fox, ex-RF 36)	155/249

Not much in the way of E-skip coming through...MUFs did not peak above 50 MHz until June 10 at my location. However, I did have tropo openings on May 17, June 5 and 8. I set a personal best for VHF High band DTV in the May 17 opening with the log of WLJC 7 (65) Beattyville, KY. At 370 miles (595 km), that shattered my personal best DTV log on VHF High band by 85 miles (the previous record holders were two Topeka stations, KTWU 11 and WIBW 13). WKYT 21 (27) peaked at semi-local strength. The opening of June 5 confirmed that KHQA 7 (7) and WGEM 10 (10) have not yet made the move to UHF. KHQA holds a CP for 22, while WGEM holds a CP for 19. The June 8 opening allowed me to log a new low-power DTV in WEAE-LD 21 (21). The "info" after the city of license refers to infomercials, which WEAE-LD ran on three of their four streams. I also noted that WRSP is now sharing RF 15 with sister station WICS; WCCU is doing the same on RF 32 with WICD. RF Channels 16 in Springfield and 36 in Urbana are now used for ATSC 3.0 service. As of June 10, 219 DTV stations are now in the logbook. 73 and good DX from the Florissant Valley Dial Twister.

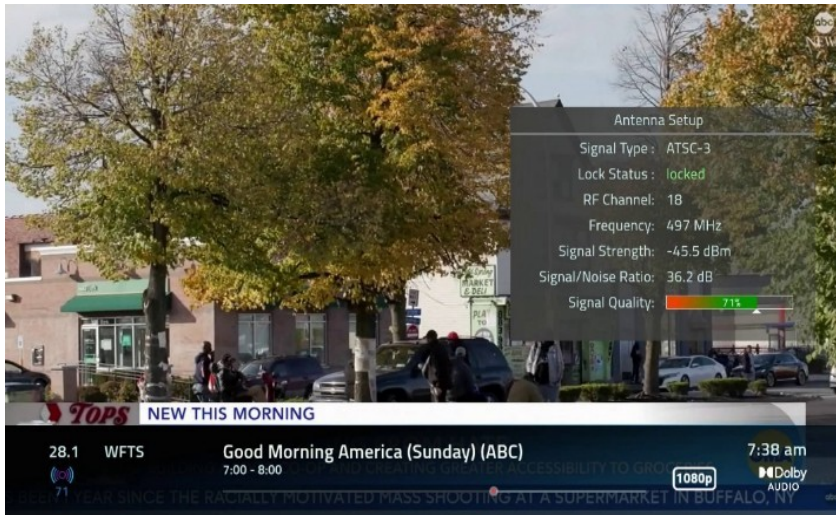
Now, on to the photos! The first set of photos are from Ryan Grabow's DXpedition to Crystal River, FL. Let's start with his ATSC 3.0 DX pictures.



**WMOR 18 (10.1) Tampa, FL  
78 miles (125 km) tropo  
Seen May 14, 2023**



**WMOR 18 (13.1) Tampa, FL  
78 miles (125 km) tropo  
Seen May 14, 2023**



**WMOR 18 (28.1) Tampa, FL**  
**78 miles (125 km) tropo**  
**Seen May 14, 2023**

Now, let's have a look at a pair of Ryans ATSC 1.0 DX photos.



**WRBL 15 (3) Columbus, GA**  
**267 miles (429 km) tropo**  
**Seen May 11, 2023**



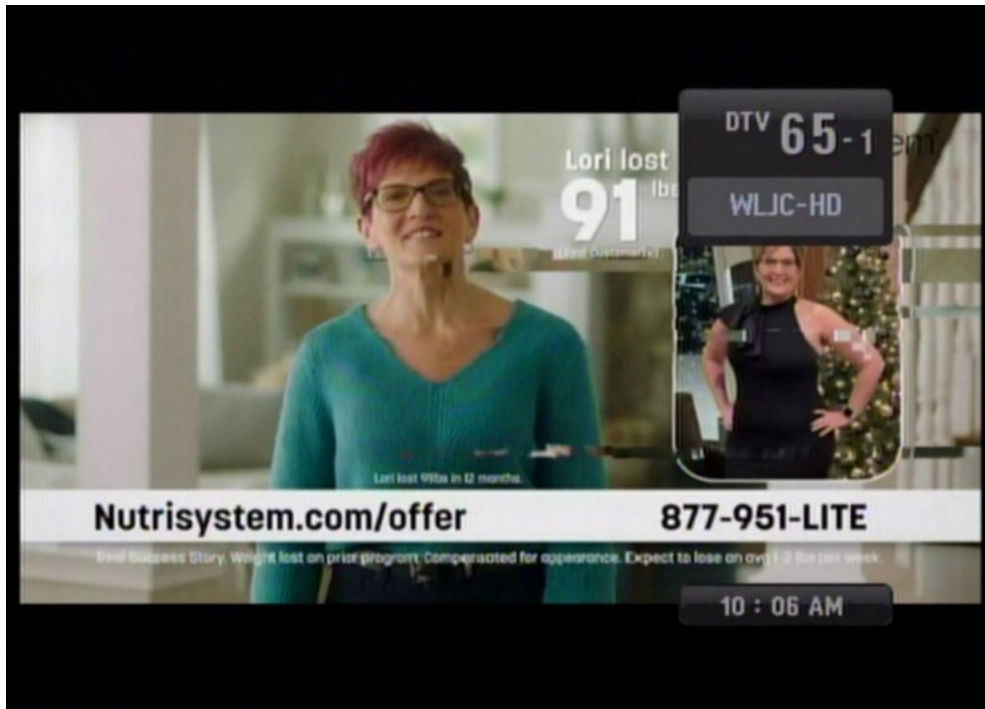


WATL 25 (36) Atlanta, GA  
351 miles (565 km) tropo  
Seen May 11, 2023  
(An ex-local for me – eb)

Finally, a pair of pictures from yours truly in Hazelwood, MO.







WLJC 7 (65) Beattyville, KY  
 370 miles (595 km) tropo  
 Seen May 17, 2023

The next deadline is July 10 for the August VUD! Let's hope we can log more TV DX! 73 and good DX from the Florissant Valley Dial Twister.

## InnoVAntennas

162mhz Antennas suitable for serious Weatheradio DXing. Info from Les Rayburn



4 element AIS (162MHz) LFA Yagi - Professional Series

**Manufacturer:** [InnoVAntennas](#)

**Product Code:** AIS-LFA-HD-4

**Product Dimensions and Weight**

Product Length: 1.1000M  
 Product Width: 1.0280M

**Sales price £169.95**  
 Sales price without tax £141.63

Check the InnoVAntenna website for other yagis.



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