



# VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

DECEMBER 2022



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AAAA

**Major changes to the WTFDA and your VUD in January  
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# THE VHF-UHF DIGEST

## The Worldwide TV-FM DX Association

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

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



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Editorial Staff: Keith McGinnis, Nick Langan, Doug Smith and John Zondlo*



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**Renewals by Paypal: Send your dues (\$10USD) from the Paypal website to [sales@wtfda.org](mailto:sales@wtfda.org) or go to <https://www.paypal.me/WTFDA> and type 10.00 (1yr) or 20.00 (2yrs) in the box.**

Our WTFDA.org website webmaster is Tim McVey, [webmaster@wtfda.org](mailto:webmaster@wtfda.org). Our WTFDA Forums webmaster is Chris Cervantez, [Chriscervantez@gmail.com](mailto:Chriscervantez@gmail.com).

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Our email reflector is on Googlegroups. To join, send an email to [WTFDA+subscribe@googlegroups.com](mailto:WTFDA+subscribe@googlegroups.com)  
Visit our club website at <http://www.wtfda.org> . Participate in our forums at <http://forums.wtfda.org>.

Our real-time prop logger is located at <http://logger.wtfda.org>. This logger is private for WTFDA members.

The free & public WTFDA FM Radio Station Database is administered and updated daily by your fellow WTFDA members.

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



# The Mailbox

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## DECEMBER 2022

First of all, we wish that every one of you has a very Merry Christmas/ Happy Hannukah and a great 2023. The coming year will bring some changes to the WTFDA effective the first of January. The changes are as follows:

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### **The first change concerns your VHF-UHF Digest.**

Beginning in January, we will no longer print twelve issues of the VUD. We are reducing that amount to seven. We will publish the VUD in the following months: January, March, May, July, August, September and November.

This change was made due to the uncertain status of our editors and VUD columns, the lack of member involvement in the VUD and the general lack of support by Dxers themselves. The hobby has changed and Dxers' habits have changed in what they DX, how they DX and how they report their DX. This statement especially applies to television Dxing.

### **The second change concerns our dues structure. This is it in a nutshell...**

1. New WTFDA members pay a \$10 joining fee. Each year after that, you pay nothing.
2. Every member will be auto-renewed. You'll receive an email like you do now, but you pay nothing and you need to do nothing. If, however, you decide to leave, let us know and you'll be removed from the membership list.
3. If your email address bounces for three issues straight and you do not notify us of an address change, your membership will be terminated and you'll need to pay \$10 again if you want to rejoin.
4. Everyone who receives the December VHF-UHF Digest is grandfathered with permanent WTFDA membership unless we are requested to terminate it by that member.
5. WTFDA will become a donation-based organization. Our finances are in good shape. Dues are not really needed at this time. If our finances drop to a certain lever, the membership would be asked for donations to help pay our bills. Many WTFDA members have already indicated that they would contribute if necessary.

**IT GOES WITHOUT SAYING THAT THE WTFDA IS SOLVENT AND IS NOT GOING OUT OF BUSINESS and anyone telling you otherwise is dead wrong.** Times have changed and we also have to adapt to the times.

Barring unforeseen circumstances, the VUD will continue to be published seven times a year. Membership will be notified of any change to that schedule.

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These are changes that the BoD has been mulling over for many months. We hope you understand. And hopefully we will have our new updated website (wtfda.org) online before Christmas. That's the plan.

## OREGON FM STATUS

John Jefferson checks in from Madras, Or: "KLOO 106.3 Corvallis is again at low power. KDUK 194.7 Florence was knocked out by a storm a week ago. I'm guessing snow blocked the air flow and the xmitter overheated, because they kept trying to go for much of last week, only to shut down in less than a minute. They are now back to normal here - a somewhat distorted signal which effectively blocks everything else except strong skip. In their absence I finally logged 100kw KCMB Baker City (a mere 160 miles away) as well as KIKX Ketchum ID at a respectable 345 miles. KWRX 88.5 Redmond and KJIV 96.5 Madras remain in mono. -John Jefferson, Madras, OR."

## RADIOLAND



For months now, if you've been following the daily changes from RadioInsight, you've seen the Radioland app being promoted on RI. This is the IOS and Android app created by our own Nick Langan as his software engineering master's thesis at Villanova.

I received an email from Keith recently with the newest edition of RadioWorld attached, and was pleasantly surprised to see Nick's app on the cover of RadioWorld, and a three-page article on Nick and his app inside.

RadioWorld knows a great app when they see one.

While reading through the article I noticed that Nick mentioned using the WTFDA FM Database for format/slogan information to the app, which explains to me why I received two updates from radio station owners in the past two days. Not only is the app being noticed but our FM database is also being noticed. Congratulations, Nick!

## A COMMENT

I've received a comment from a member about the upcoming changes. He wrote "Sad to see the cutback to 7 issues, but certainly can't disagree with the decision. TV DXing was fun back in the analog days, but nearly non-existent for me now. It was such a great tool for spotting Es for FM DXing. So many other ways DXers communicate these days that a VUD is more a historical piece than a vital link for DXers. Miss the conventions, too. Oh well....." And back in the spring, a VUD column editor who saw his column shrink to nothing the past few years and is no longer a WTFDA member, wrote me about the lack of TV DX information in the VUD and suggested a name change from WTFDA to WFDA. Both members have valid points. The fact is that this is the situation we face in 2022 and we have to acknowledge it and make the best of it. We may not like it, but it is what it is.

That's it for this month and yes, we will see you in January.



# 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.

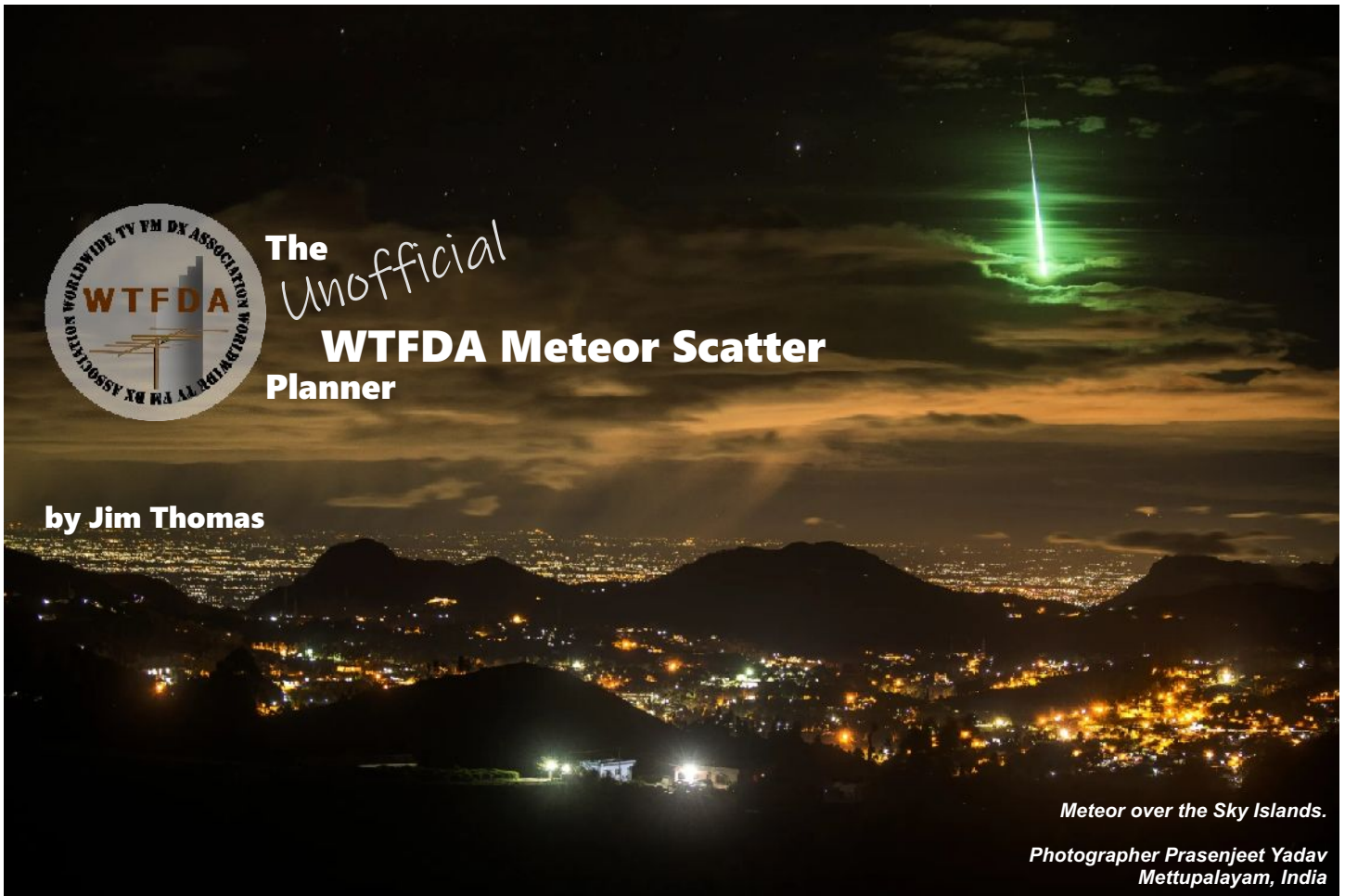
The store can be found at <https://www.redbubble.com/people/wtfda/shop?artistUserName=wtfda>

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



# The *Unofficial* WTFDA Meteor Scatter Planner

by Jim Thomas



*Meteor over the Sky Islands.*

*Photographer Prasenjeet Yadav  
Mettupalayam, India*

**It's METEOR SCATTER time of the year!** Actually, anytime of the year is great for meteor scatter dxing. VHF dxers have long known that the winter months provide the BEST in meteor scatter dxing, due mostly to the fact that the most prolific meteor showers occur during the winter months.

I used to produce a meteor scatter chart several years ago and shared it with WTFDA members via the email list. After some thought about it, I've decided to bring it back and provide it for publication in the VHF-UHF Digest.

The International Meteor Organization (IMO), which was founded in Bonn, Germany, has published quite a bit about meteor scatter, or as they refer to it, the phenomena of radio signal forward scatter.

The IMO says that radio meteor scatter is an ideal technique for observing meteors continuously. Meteor trails can reflect radio waves from distant transmitters back to Earth, so when a meteor appears one can sometimes receive small portions of broadcasts from radio stations up to 2000 km (1200 miles) away from the observing site. The Earth is bombarded by billions of meteors annually. You might say that DX season is "always on", IF you're chasing after meteors.

The technique is strongly growing in popularity amongst meteor amateur astronomers. In the recent years, some groups started automating the radio observations, by monitoring the FM broadcast band with an SDR and a computer. Even with these state-of-the-art performance systems, the interpretation of the observations can be difficult. A good understanding of the phenomenon is mandatory. For serious VHF or FM dxers, they know they can't do this aspect of the hobby justice without the use of an SDR. The seasoned meteor scatter dxer knows they need a good outdoor antenna and an SDR connected to a PC, which is supplemented with the use of the Radio Broadcast Data System (RBDS).

Though the theoretical study of the phenomena of forward scatter observations has not yet resulted in a reliable reduction method for amateur observations, major strides were taken during the Radio Meteor School in September 2005, in which Oleg Belkovich explained his approach to the problem to a small group of very devoted forward scatter observers. The proceedings of Radio Meteor School 2005 are an extremely valuable resource for everyone trying to maximize the scientific results of his/her forward scatter or backscatter observations. Findings from that research can be found on the IMO's website >>>> [https://www.imo.net/members/imo\\_shop](https://www.imo.net/members/imo_shop)

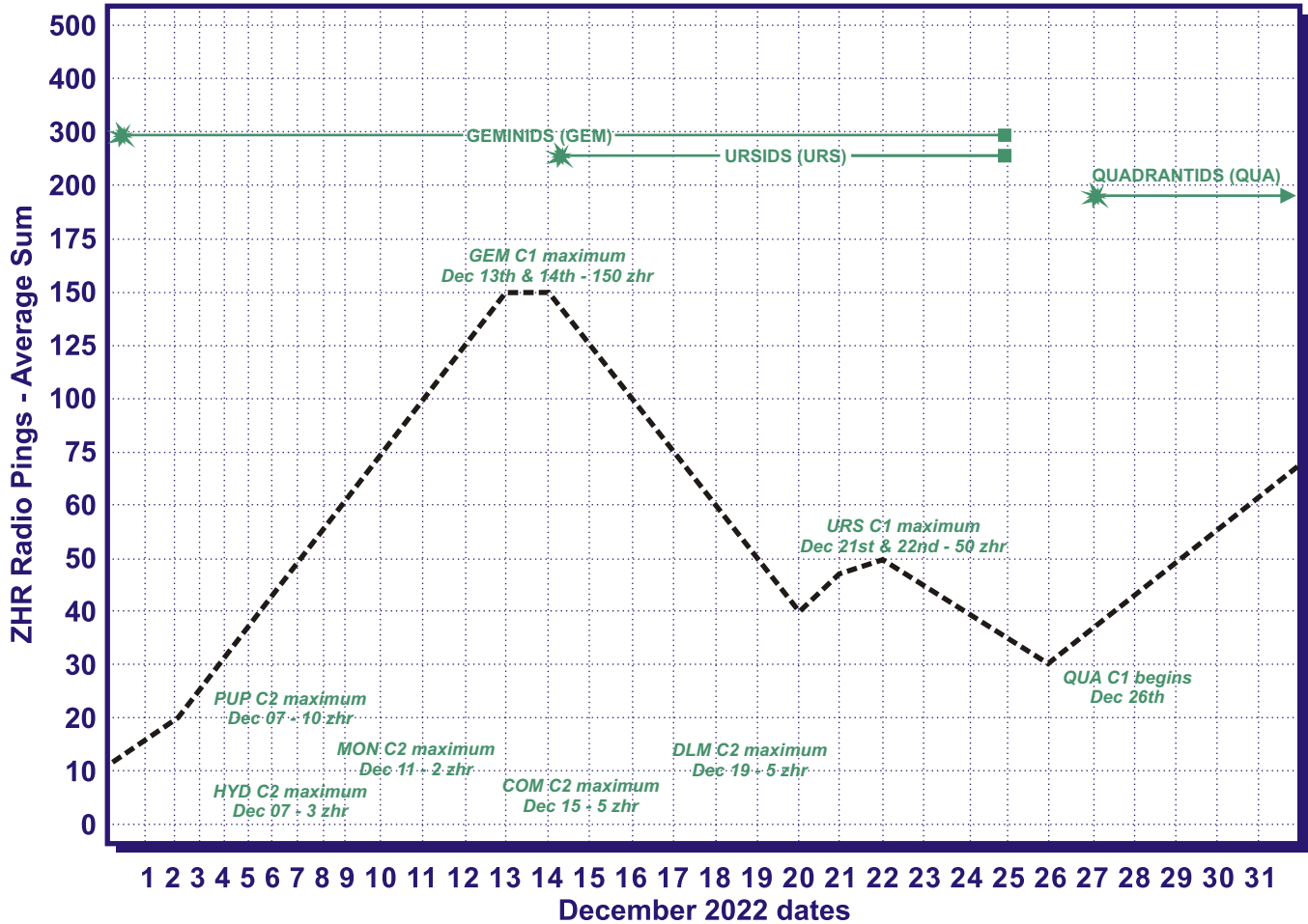
With this VUD issue, I bring back the Meteor Scatter Projections chart. Keep an eye out in the following months, as the chart for meteor scatter for the upcoming month will appear. Cheers! - JT



The Unofficial

WTFDA Meteor Scatter Planner

# December 2022 Meteor Scatter Projections



**Shower:** named for the constellation or closest star within a constellation where the radiant is located at maximum activity.

**Activity Period:** the dates when the shower is active and the observer can expect activity from this source.

**Maximum:** the date on which the maximum activity is expected to occur.

**Velocity:** the velocity at which shower meteors strike the Earth's atmosphere. The velocity depends on the angle meteoroids (meteors in space) intersect the Earth. Meteoroids orbiting in the opposite direction of the Earth and striking the atmosphere head-on are much faster than those orbiting in the same direction as the Earth. This velocity is measured in kilometers per second.

**ZHR:** Zenith Hourly Rate, the average maximum number of shower meteors visible per hour if the radiant is located exactly overhead and the limiting magnitude equals +6.5 (a very dark sky). Actual counts rarely reach this figure as the zenith angle of the radiant is usually less and the limiting magnitude is usually lower than +6.5. ZHR is a useful tool when comparing the actual observed rates between individual observers as it sets observing conditions for all to the same standards. **NOTE:** The ZHR is typically VISUAL indications. For radio dxers, the \*radio\* ZHR can easily exceed the visual ZHR. There are multiple factors that can affect how well you do with the reception of radio meteor forward scatter, as outlined on the first page of this article.

**Class:** A scale developed by Robert Lunsford to group meteor showers by their intensity:

- Class I: the strongest annual showers with ZHR's normally ten or better.
- Class II: reliable minor showers with ZHR's normally two to ten.
- Class III: showers that do not provide annual activity. These showers are rarely active yet have the potential to produce a major display on occasion.
- Class IV: weak minor showers with ZHR's rarely exceeding two. The study of these showers is best left to experienced observers who use plotting and angular velocity estimates to determine shower association. Observers with less experience are urged to limit their shower associations to showers with a rating of I to III. These showers are also good targets for video and photographic work.



The Unofficial

# WTFDA Meteor Scatter Planner

## December 2022 Meteor Scatter Projections

### December 2022 Major Showers - Class I

**Geminids (GEM)** Duration: Nov 19-Dec 24 Maximum: Dec 14 ZHR: 120  
**Ursids (URS)** Duration: Dec 13-Dec 24 Maximum: Dec 22 ZHR: 10

### December 2022 Minor Showers - Class II

**Southern Taurids (STA)** Duration: Oct 11-Dec 08 Maximum: Nov 05 ZHR: 5  
**Northern Taurids (NTA)** Duration: Oct 13-Dec 02 Maximum: Nov 12 ZHR: 5  
**November Orionids (NOO)** Duration: Nov 13-Dec 12 Maximum: Nov 30 ZHR: 3  
**sigma Hydrids (HYD)** Duration: Nov 22-Jan 04 Maximum: Dec 07 ZHR: 3  
**Puppis/Velids (PUP)** Duration: Dec 01-Dec 15 Maximum: Dec 07 ZHR: 10  
**Monocerotids (MON)** Duration: Nov 23-Dec 24 Maximum: Dec 11 ZHR: 2  
**Coma Berenicids (COM)** Duration: Dec 12-Dec 23 Maximum: Dec 15 ZHR: 5  
**December Leonis Minorids (DLM)** Duration: Dec 01-Feb 10 Maximum: Dec 19 ZHR: 5

### December 2022 Variable Showers - Class III

**Dec Phoenicids (PHO)** Duration: Dec 04-Dec 06 Maximum: Dec 05 ZHR: var  
**Volantids (VOL)** Duration: Dec 27-Jan 04 Maximum: Dec 31 ZHR: var

### December 2022 Weak Showers - Class IV

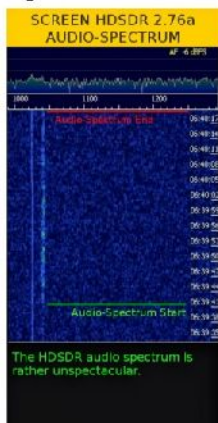
14 weak and variable December meteor showers



### Forward meteor scatter documentation from IMO radio astronomer Rudolf S. - Vienna, Austria

An interesting signal from 2022-11-19 / 06:39:30UTC

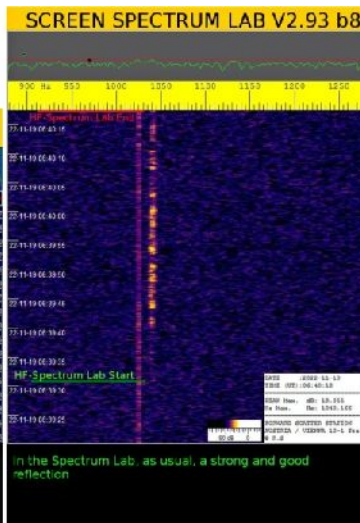
Start of signal: 2022-11-19 / 06:39:30 UTC  
End of signal: 2022-11-19 / 06:40:20 UTC  
Signal duration: ~50 Sec.



The HSDR audio spectrum is rather unspectacular.



In the the HSDR HF spectrum, 6 strong reflections can be seen, with the strongest at 06:39:55



In the Spectrum Lab, as usual, a strong and good reflection

**Details see illustration.**

A possible straggler of the Leonids, and again here the reflection is at the 50 seconds. My station has been running 7x24 hours for 4 years now, but around this time (November), I didn't have that many registered signals over 30 seconds.

**LOCATION:** AUSTRIA / VIENNA (48.09N / 16.21E)

**STATION:** AUSTRIA / VIENNA 01

**HARDWARE:** DISCONE-ANTENNA / SDRPlay RSP1 & RSP1A / LENOVO THINKPAD T420

**SOFTWARE:** Win7/8/8R1 Prof. / HSDR 2.76a & SPECTRUM LAB V2.93b8

Rudolf S. / AD ASTRA  
Visual Astronomy (Sun, Moon & Deep Sky)  
Radio Astronomy / Forward Neboscatter

A time of unusual reflection!



# TV News – December 2022

**Douglas E. Smith**  
**Nashville, TN**  
[dougw9wi@gmail.com](mailto:dougw9wi@gmail.com)

**Note: low power stations/translators are not included.**  
**All of this information can be found at the WTFDA**  
**Forums in the Members Only section.**

CA	Sacramento	24	KMAX-TV Requests STA 600kw/591m; to operate at reduced power pending repairs.
CA	Fresno	7	KAIL PG>48.8kw/571m, 37-04-19/119-25-52; PC
GA	Savannah	23	WTOC-TV QR from 11, 1000kw/440m
IL	Springfield	11	WCIX PR>8.5kw/176m, 39-47-27/89-30-53; PG
IL	Harrisburg	34	WSIL-TV Operating at reduced power of 462kw/291m (46.2%) pending transmitter replacement.
KY	Elizabethtown	23	WKZT-TV Returned to full power Oct. 27th.
LA	Hammond	35	KGLA-DT PR>752kw/309m; PG
MD	Baltimore	25	WNUV Requests conversion to DTS by adding a second transmitter in Towson, 7kw/110m, 39-24-10/76-36-11
MN	Minneapolis	22	WUCW Operating at reduced power of 580kw pending transmitter replacement.
MS	Greenwood	32	WABG-TV Operating at unspecified reduced power since Oct. 26th transmitter failure. Returned to full power Nov. 1st.
MO	Kansas City	24	KCTV Operating at reduced power of 666kw/344m since Oct. 17th pending transmitter replacement.
NV	Reno	15	KNPB PG>32.3kw/163m, 39-35-02/119-47-59
NC	Chapel Hill	20	WUNC-TV Returned to full power Nov. 10th.
NC	Greensboro	20	WLXI See sharing host WUNC-TV Chapel Hill.
NC	Wake Forest	20	WRAY-TV See sharing host WUNC-TV Chapel Hill.
PR	Carolina	30	WRFB PR>250kw/305m; requests STA 40kw/306m; to operate at reduced power pending modifications to transmitter building.
TN	Memphis	25	WATN-TV Returned to full power Oct. 17th.
TX	Houston	13	KTRK-TV PC<32.4kw/580m
TX	El Paso	15	KFOX-TV Requests STA 52.2kw/508m; to operate at reduced power on temporary antenna pending replacement of main antenna.
TX	Eagle Pass	18	KVAW OFF Oct. 1st pending equipment delivery
TX	Fort Worth	19	KTVT Requests STA 989kw/535m, 32-32-35/96-57-33; to operate new facility at 98.9% power until area health-care facilities are notified.
TX	Amarillo	20	KVII-TV PR<1000kw/513m, 35-22-30/101-52-58; PG; PC
TX	Houston	24	KETH-TV Operating at less than 80% power since Oct. 31st during transmitter replacement.
UT	Cedar City	14	KCSG OFF Nov. 9th, tower collapsed.
VA	Roanoke	13	WBRA-TV PA from 3, 66kw/631m
WA	Yakima	16	KNDO PG<150kw/246m; PC
WA	Richland	26	KNDU PG<150kw/394m; PC

# FM Slogans and Formats

DECEMBER 2022

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

KREV	92.7	Alameda	CA	Pirate Radio 92.7, dance
K298CG	107.5	Pueblo	CO	to Kix country 107.5
K239CH	95.7	Colorado Springs	CO	Powertalk 1040 (KPPF)
WKEY-FM	93.7	Key West	FL	Key 93.7, soft rock
KRQN	107.1	Vinton	IA	El Gallo 107.1, Reg. Mex.
WWQC	107.3	Clifton	IL	Southern Gospel
K300DE	107.9	Pittsburg	KS	My Country, country
KTWF	95.5	Scotland	KS	K-Hits 95.5, classic hits
WKSG	98.3	Garrison	KY	98.3 the Rock, contemporary Christian
WLEZ	99.3	Lebanon Jct	KY	cont. Christian, K-Love
KADI-FM	99.5	Republic	MO	cont. Christian
WXWX	96.3	Marietta	MS	Wild 96.3, CHR
W259CP	99.7	Booneville	MS	95.3 the Bee, country (WADI)
WWMR	102.9	Saltillo	MS	stunting until Dec 126th
WBUV-FM	104.9	Moss Point	MS	Newstalk 104.9
KCHH	95.9	Billings	MT	95.5 Lite FM, AC
K236AB	95.1	Billings	MT	95.5 Lite FM, AC
WXNR	99.5	Grifton	NC	97.5 the Wave, hot AC
W248BS	97.5	Jacksonville	NC	97.5 the Wave, hot AC
WMGV	103.3	Greenville	NC	Magic 103.3/96.5
W238CF	95.5	Jacksonville	NC	Magic 103.3/96.5 (WMGV)
W296CS	106.9	Kinston	NC	Southern Gospel (WLNR)
KGHD-LD	87.7	Las Vegas	NV	Area 87.7, dance, alt,hiphop
KQOB	96.9	Enid	OK	Freedom 96.9
W225CJ	92.9	Gettysburg	PA	format to AC
W236DS	95.1	Juncos	PR	News/Talk (WLEY 1080)
KKHR	106.3	Abeline	TX	My 106.3, Spanish CHR
KUTN	96.7	Levan	UT	classic higts
KDLY	97.5	Lander	WY	97.5 the Brand, country

# FM Facility Changes for December 2022

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

KBAF-FM	88.1	Anahola	HI	new calls
WZBL	88.1	Barnegat Light	NJ	Silent 9/22/22 for equip repair
KKWY	88.1	Wheatland	WY	6.2kh 42m, 42-00-58/105-00-10
KCGS-FM	88.1	Marshall	AR	new calls
WMEK	88.1	Kennebunkport	ME	Silent 11/1/22 for modifications
KRGJ	88.1	Fidelity	MO	1.25k/83m, 37-04-40/94-08-03
KWGP	88.1	Pampa	TX	.33k/45m, 35-34-39/100-57-10
W201DM	88.1	Woodstock	GA	Silent 10/31/22; electrical problems
KMUR-FM1	88.3	Bullhead City	AZ	.245k, 35-05-39/113-54-21
KVWS	88.3	Sedalia	MO	13k/100m, 38-45-34/95-25-33
WDSO	88.3	Chesterton	IN	.05k/106m, 41-38-06/87-02-59
KRIF	88.3	Rockford	ID	new calls
WNUA	88.5	Williamstown	KY	new calls
KJLL	88.5	Perryton	TX	new calls
CKLK-FM	88.5	Grimsby-Beamsville	ON	CP; Silent; power lowered to 3.6k
KMMK	88.7	Coggon	IA	19.5kv/107m, 42-16-14/91-32-22
KJHI	88.7	Haviland	Ks	2.5kv/128M, 37-36-52/9-906-12
KFHM	88.7	Big Bear City	CA	Silent 9/20/22, lost site
WMYJ-FM	88.9	Oolitic	IN	Silent; financial probs and parts in use elsewhere
K259DL	88.9	Burwell	NE	.25k, 41-54-07/99-06-12
NEW	88.9	Saranac Lake	NY	new station
K273AJ	88.9	Elwood	OR	primary changed to KAWZ via K220IN
KBVD	88.9	Alturas	CA	call change from KBUD
NEW	88.9	Block Island	RI	.3k/44m, 41-10-21/71-33-51
WKVR	88.9	Flint	MI	call change from WKMF
NEW	89.1	Port Orford	OR	1k/231m, 42-51-53/124-26-59
NEW	89.3	Tupper Lake	NY	new station
W207AG	89.3	Freeland, etc.	PA	Silent pending move
NEW	89.3	Saxton	PA	.095h/1.5kv/292m, 40-17-33/78-15-38
WSOM	89.5	Franklin	IN	call change from WFCI
DWLJV	89.5	Spotsylvania	PA	cancelled
WSOM	89.5	Franklin	IN	4k/66m, 39-24-30/86-08-53
NEW	89.5	Westerly	RI	.4k/52m, 41-20-59/71-44-42
KJLB	89.7	Lamar	CO	new calls
W209CJ	89.7	Mount Kisco	NY	Silent 10/14
WKSU-FM2	89.7	Kent	OH	.042k, 41-25-46/81-30-39
WKSU-FM1	89.7	Kent	OH	1.5k, 06-44-80/58-70-38
K209EM	89.7	Huron	SD	CP for 88.1 as K201JA
K208GI	89.9	St.George, etc	UT	.06k, 37-03-49/113-34-26
WWWJ	90.1	Rochester	IN	new calls
K211FR	90.1	Ely	MN	primary changed to WIRC-HD3
NEW	90.1	Jena	FL	8k/122m, 29-43-49/83-14-15

WWWJ	90.1	Rochester	IN	2.2k/33m, 41-03-06/86-12-01
WEPR	90.1	Greenville	SC	83k/367m, 34-56-38/82-24-37
NEW	90.3	Dahlonega	GA	3.2k/43m, 34-43-52/83-57-37
NEW	90.3	Cambridge	MD	1.4k/50m, 38-34-07/76-04-31
KJNZ	90.3	Snyder	TX	6.0k/93m
NEW	90.3	Martinsburg	PA	.16k/282, 40-17-33/78-15-38
WWFP	90.5	Brigantine	NJ	Silent 10/21/22; equipment failure
KVNZ	90.7	Graham	TX	6k/113m
KHWD	90.7	Gruver	TX	1k/65m, 36-14-44/101-22-58
W216BT	91.1	Port St. Joe	FL	.08kv, 29-45-23/85-17-53
KEZF	91.1	Grants	NM	92kh/109m 35-07-04/107-55-26
NEW	91.1	Wynona	OK	3k/51m, 36-41-57/96-20-07
K216EH	91.1	Colton	OR	primary changed to KEFX
K220FG	91.1	Honolulu	HI	.01k, 21-19-59/157-48-54
WVOI	91.5	Everglades City	FL	new calls
WTUL	91.5	New Orleans	LA	Silent 10/6/22; relocation
KTGP	91.5	Susanville	CA	.065k/323m, 40-27-13/120-34-18
WKKM	91.5	Speaker Township	MI	.1k, 43-11-06/82-48-15
WCGN	91.7	Troupsburg	NY	new calls
KCHY	91.7	Buffalo	WY	new calls
NEW	91.7	Steinhatchee	FL	.6k/122m, 29-43-49/83-14-15
KOFW	91.9	Deltana	AK	new calls
WBWY	91.9	Janesville	WI	new calls
NEW	91.9	Block Island	RI	.3k/44m, 41-10-21/71-33-51
NEW	91.9	Gonzales	TX	20k/37m, 29-30-36/97-24-52
KXQX	92.3	Tusayan	AZ	.1k/88m, 35-58-22/112-07-29
WOHT	92.3	Grenada	MS	3.8k/126m, 33-51-24/89-55-15
WINS-FM	92.3	New York	NY	call change from WNYL
DWKVR-FM	92.3	Huntington	PA	license to cover cancelled
K222CV	92.3	Calistoga	CA	.035kh, 38-21-33/122-26-50
K243BN	92.5	Laveen	AZ	Silent 10/3/22 with technical issues
K223AM	92.5	Wells	NV	primary changed to KAWZ
K223DH	92.5	Houston	TX	.05kv, 29-33-45/95-30-36
WKXG	92.7	Moorhead	MS	call change from WMYQ
WYZM	92.7	Kewaunee	WI	call change from WAUN-FM
CFBZ-FM	92.7	Fernie	AB	now Wild 104.7
W256EC	92.9	Somonauk	IA	.085k, 41-39-55/88-34-34
WMYQ	93.1	Shaw	MS	call change from WKXG
KEZQ	93.1	West Yellowstone	MT	Silent 10/30/22 cannot install repaired xmtr due to wx
KUXL	93.3	Muleshoe	TX	call change from KVRQ
W227BY	93.3	Jackson	MI	.18k, 42-13-17/84-26-04
W228DJ	93.5	Ravenswood	WV	.25k, 38-48-42/81-43-25
WMAA-LP	93.7	Moca	PR	Silent 9/29/22 due to hurricane damage
W230CL	93.9	Garyville	LA	Silent; primary WCKW off w/xmtr problems
WQMT	93.9	Hopewell	TN	3.5k/133m, 35-09-54/84-51-13
W231DU	94.1	Albany	NY	.012k, 42-42-50/73-31-38
W268DN	94.3	Potomoc	MD	.1k, 39-02-12/77-12-08

CHAT-FM	94.5	Medicine Hat	AB	now Wild 94.5
NEW	94.5	Ralston	WY	100k/576m, 44-29-52/109-09-12
WWRI-LP	95.1	Coventry	RI	Returned to air 11/10/22
W236DP	95.1	Bald Mountain	ME	.25k, 44-39-25/68-36-23
CHLB-FM	95.5	Lethbridge	AB	now Wild 95.5
WSCM	95.7	Baldwin	WI	call change from WDMO
KBOU	95.9	Tok	AK	new calls
WBKY	95.9	Stoughton	MI	2k/176m, 42-51-57/89-03-16
W241CN	96.1	Penn Yan	NY	Silent 10/30/22 lost tower lease
K258DV	96.3	Casper	WY	.01k, 42-44-27/106-18-24
K242AY	96.3	Walker	MN	primary changed to KPRM
W243DQ	96.5	Marietta	GA	.25k, 33-58-57/84-33-55
K240FF	96.5	Cave Creek	AZ	.003k, 33-44-59/111-57-26
KCYS-FM1	96.5	Astoria	OR	0.099k, 46-11-15/123-50-21
WBFG	96.5	Parkers Crossroads	TN	6k/87m, 35-49-59/88-35-05
KLLM	96.5	Wheatland	WY	.1kh 42m, 42-00-58/105-00-10
KNMB	96.7	Capitan	NM	4.0k/909, 33-24-16/105-46-54
KUTN	96.7	Levan	UT	call change from KQMB
KJBA	96.7	Craig	AK	new calls
KZAP	96.7	Paradise	CA	2.45k/317m, 39-56-46/121-43-21
W246AX	97.1	Carrabelle	FL	.12kv, 29-51-24/84-40-00
K246DC	97.1	Kimberly	ID	.25k, 42-43-54/114-25-07
W246CE	97.1	Athens	OH	.25k, 39-21-18/82-5-32
W248BK	97.5	Paris	TN	primary changed to WTPR(AM)
W249DY	97.7	Waterbury	CT	.25k, 41-33-47/72-5040
WQXD	97.9	Athens	AL	cancelled
WZFE	97.9	Moca	PR	.028/56m, 18-22-17/67-05-53
W251BL	98.1	Everglades City	FL	Silent due to hurricane
WKSG	98.3	Garrison	KY	call change from WIRO
W252CM	98.3	Nashville	TN	primary changed to WSIX-HD2
W252CT	98.3	Burlington	VT	primary changed to WWMP-FM
KLGW	98.5	Grand Coulee	WA	call change from KEYG-FM
WTLL-LP	98.9	Zanesville	OH	.1k/25m, 39-56-50/81-58-45
KBUU-LP-FM1	99.1	Malibou Beach	CA	.018kh, 34-02-02/118-42-14
W256CL	99.1	Park Forest	IL	.25k, 41-52-44/87-38-09
W256AE	99.1	Chippewa Falls	WI	.25k, 44-48-00/91-27-57
K257GE	99.3	San Francisco	CA	primary changed to KSFN 1510
WLEZ	99.3	Lebanon Junction	KY	call change from WLEZ-FM
K254DW	99.3	Pinedale	WY	.14v, 42-50-39/109-55-32
KYBS-LP	99.9	Balch Springs	TX	.1k/23m, 32-42-46/96-36-47
CHUG-FM	99.9	Inuvik	NT	new station .025k, primary CFET
CJCC-FM	99.9	Carcross	YT	new station .025k, primary CFET
W261DL	100.1	East Point	GA	.25k, 33-41-21/84-30-38
WUKL	100.5	Bellair	OH	call change from WOMP
NEW	100.5	Hamilton	TX	6k/100m, 31-39-48/98-21-29
K264BH	100.7	Nambe	NM	COL changed, .25k, 25-53-55/105-53-54
CKNB-FM	100.7	Campbellton	NB	5.33k, testing, CHR, Hits100

WTEC-LP	101.1	Sarasota	FL	call change from WUDN-LP
CKFQ-FM	101.1	Merritt	BC	now classic hits
CJET-FM	101.1	Smith Falls	ON	now news talk
CBQV-FM	101.1	Sandy Lake	ON	power lowered to .033k
W268BA	101.5	Baltimore	MD	primary changed to WIYY-HD2
CBCF-FM	101.5	Fort Hope	ON	power lowered to .056k
K269GS	101.7	Houston	TX	.25k, 29-41-03/95-11-10
W269ED	101.7	Montville	CT	Silent, Primary WBMW .25k, 41-38-45/72-07-42
CIDG-FM	101.7	Ottawa	ON	now rock, Rebel Rock 101.7
KHBE	102.1	Big Wells	TX	19.5k/113m, 28-22-08/99-39-46
K272FM	102.3	Azalea	OR	Silent 10/20/22; antenna damaged
W272DW	102.3	South Charleston	WV	.25k, 38-22-36/81-53-08
W273EB	102.5	Westport	CT	.25kh, 41-14-29/73-27-11
W274AW	102.7	Cleveland	MS	CP for 103.1 as W2676EA
K275CU	102.9	Monterey	CA	primary changed to KLVM-HD2
W275BQ	102.9	Richmond	VA	.240k, 37-30-46/77-36-04
W276BZ	103.1	Toano	VA	.25kv, 37-23-13/76-47-45
WEQC	103.1	Crandon	WI	3.3k/136m, 45-34-23/88-52-59
K276EP	103.1	Bemidji	MN	primary changed to KPRM
WRHS	103.1	Grasonville	MD	call change from WRNR-FM
W269EE	103.3	Salisbury	NC	.25k, 35-36-19/80-26-30
KSVG	103.5	Bakersfield	CA	.1k/27m, 35-23-49/118-57-09
K279CH	103.7	Pocatello	ID	primary changed to KORR
K279CH	103.7	Pocatello	ID	.125k, 42-51-57/112-30-47
W279BC	103.7	Brunswick	GA	Silent 10/28/22 lost tower site
KMSM-FM	103.9	Butte	MT	.185k, 46-00-23/112-26-31
WJFY-LP	104.3	Newark	OH	Silent 10/25/22 needs new tower
W282AY	104.3	Chattanooga	TN	.220k, 35-01-09/85-20-22
W282BS	104.3	Dunlop	IL	.25k, 40-41-58/89-36-04
W283BE	104.5	Scranton	PA	.194k, 41-25-36/75-44-51
CHBZ-FM	104.7	Cranbrook	BC	now Wild 104.7
W286CZ	105.1	Greensburg	PA	.12k, 40-17-20/79-42-03
K287CB	105.3	Glenwood	IA	Silent 10/14 for construction and mods
K287AD	105.3	Bemidji	MN	Silent pending construction of K300EA 107.9
WJZR	105.9	Rochester	NY	3.7k/130m, 43-08-07/77-35-02
W293BH	106.5	Springfield	VT	.25k, 43-18-55/72-27-46
W295DM	106.7	Point Pleasant	WV	.25k, 38-56-56/82-03-02
K296GZ	107.1	Davenport	IA	.25k, 41-30-03/90-40-24
WIRO	107.1	Ironton	OH	new calls
W297BV	107.3	Louisville	KY	.25k, 38-15-58/85-42-50
W298CL	107.5	Beech Mountain	NC	.03k, 36-11-06/81-52-46
K299BE	107.7	San Luis Obispo	CA	primary changed to KRQZ .1k/-94m, 34-18-06/118-50-11 (COL from Thousand
KNJR-LP	107.9	Moorpark	CA	Oaks, etc)
DK300AE	107.9	Breckenridge	CO	cancelled
K287CB	105.3	Glenwood	IA	Silent 10/14 for construction and mods
K287AD	105.3	Bemidji	MN	Silent pending construction of K300EA 107.9

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