



Your humble VUD editor using SDRUno to record the FM band during e-skip to Mexico. Today is the first time I did this in an SDR. (Bandwidth was 88-90 MHz, which my computer handles well.)

# SEASON'S GREETINGS!

(E-SKIP SEASON, THAT IS)

The Official Publication of the Worldwide TV-FM DX Association



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INCLUDES NEW U.S. AND  
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# THE WORLDWIDE TV-FM DX ASSOCIATION

Serving the UHF-VHF Enthusiast

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



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## The Mailbox

PAGE TWO

P.O. Box 501 Somersville, CT 06072

Mike Bugaj - Enfield, CT [mikeb@wtfda.org](mailto:mikeb@wtfda.org)



JUNE 2017

### Dues Received

DATE	NAME	S/P
4/29/2017	Michael Beu	TX
4/30/17	Jason Hustedt	DE
5/1/2017	Roger Sabella	IL
5/1/2017	Mike Glass	IN
5/8/2017	Rick Lucas	NY
5/10/2017	Dan Oglethorpe	LA
5/10/2017	Larry Weisberg	NH
5/13/2017	William Thompson	MD
5/13/2017	Nick Langan	NJ
5/13/2017	David Pierce	VA
5/13/2017	Richard Allen	OK
5/14/2017	James Montgomery	IN
5/15/2017	Fred Nordquist	SC
5/16/2017	Kurt Nelson	PA

Thanks everyone for your support of the WTFDA!

### MAY E SKIP?

So far there has been a little bit of Es. Bill H and Andrew Knafel and another DXer saw TV from Colombia via double hop Es on May 20<sup>th</sup>. Bill posted a screenshot on the Facebook group which I will attempt to post here.

Other than that, there has been some Es around although not too much and not much making it to FM.



This is Bill's photo of TVES ch3 on May 20<sup>th</sup>.

### CANADA'S DTV MORATORIUM

From Glen Hauser posting on the WTFDA list: <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11274.html>  
The next link has the new DTV plan which includes the new channel alignment. All stations above ch. 35 must relocate to a new channel. This page also lists the power of each station.

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11281.html>

The following link is the proposed schedule for the realignment of the TV band. There are 14 phases!

<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11282.html>

Note that these lists include the 40 CTV repeaters that Bell recently got approval to close. (Andy Reid, Ont., May 21, dxldyg via DX LISTENING DIGEST)

So what will be left to DX by sporadic E on low-band ch 2-6? VERY little. A quick look thru the listings: almost half of the 32 pages concern BC where there are hundreds of low-power relays. Among `RP` stations there will remain a couple of ch 5s in BC. In Alberta, Ch 2 and 4 Lloydminster remain. In Manitoba there will be absolutely NO lowbanders of any power. In Ontario, Thunder Bay retains ch 2 and 4, but they are really low-powered, a far cry from the original analog stations. Saskatchewan retains a couple on ch 6. A scattering of low-banders in the other provinces, mostly very low power, under 1000, 100, or even under 10 watts. Note that ch 36 is a `guard band`, adjacent to ch 37 off-limits for radio astronomy. I haven't searched the entire list whether there are really any on ch 36. AFAIK there is no such proviso in the USA. -Glenn Hauser

### DEALING WITH DEED RESTRICTIONS

This was received from Ron Cesarek who just downsized his home and had to deal with a home owners association.

"Hi , my name is Ron, I downsized from our acreage home to a 55 plus deed restrictions community after my wife passed. I used to have 5 longwire antennas at the farm. Needless to say, indoor reception sucked in my new home. I have had a few neighborhood complaints about my WELLBROOK loop. My contention to the "community enforcers" was this is a portable antenna not attached to the home and it is in the confines of my "outdoor living area". The "enforcers" then left. I have camouflaged it somewhat only because I wanted to address my neighbors concerns the best I can. All is calm around me now.

We all need to assist the AARL in their efforts to allow Hams to be able to install out side antennas in these Deed RESTRICTED communities. The AARL bill to tame deed restrictions had gone through the

House with very strong approval. Then, in Senate committee, My Florida Senator Bill Nelson would NOT let it go to the floor for a Senate vote which would have likely been a resounding approval as the vote was in the House of Representatives. Thank goodness, the AARL is trying again. TSM, your opinion on this matter would make interesting reading. Maybe, TSM has done that already and I missed reading it.

If so, what issue do I need to go back to."

### DATABASE UPDATE

For the latest on what's happening with the WTFDA FM Database, we've added a page called "What's New" to the database site. You'll find it in one of the links on the left side of the page. There is also a page called "Contact Us" which is written in English and Spanish, a Database Help page ([www.wtfda.info](http://www.wtfda.info)) and a renamed button which used to be labeled "login" and is now labeled as "editor login" to eliminate confusion on the part of users.

During the month of May we have reached new user records. We've passed 125 daily visitors on four occasions. Pageviews on many days has exceeded 1,000, sometimes 1,500! And just recently we received an email from the owner of an Alabama Media Site which included RDS updates for many Gulf Coast stations. The admin mentioned that he uses our FM Database in his day to day FM DXing!

StationIntel has revamped their format listings for religious stations and we are working to bring our database format listings in line with theirs.








That's it for this month. Es is starting to take off. Let's go out and grab as much as we can this summer. See you next month!

# TV News


Douglas E. Smith  
 1389 Old Clarksville Pike  
 Pleasant View, TN  
 37146-8098  
[w9wi@w9wi.com](mailto:w9wi@w9wi.com)  
<http://www.w9wi.com>





Location	RF Ch	Callsign	Notes
			
<b>Alabama</b>			
Huntsville	34	W34EY	Requests channel change from W17DJ, 4.04kw; granted
			
<b>Alaska</b>			
Anchorage	32	K32KB	Granted power reduction to 5kw, 61-05-55/149-41-04 (Glen Alps)
			
<b>Arizona</b>			
Phoenix	18	K18JL	Requests power increase to 15kw
			
<b>Baja California (Norte)</b>			
Mexicali	15	XHMEE-TDT	Granted channel change from 38, 200kw/153m, 32-36-41/115-29-39
Tijuana	33	XHCTTI-TDT	Granted permit for new station, 132.148kw/183m, 32-30-27/117-02-15


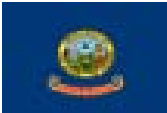




Location	RF Ch	Callsign	Notes
			
<b>California</b>			
Camarillo	30	KUHD-LD	Granted Special Temporary Authority to operate on this channel (vs. normal channel 44) due to interference to KILM
Cathedral City	18	KPSP-CD	Granted power reduction to 5.83kw
Cherry Valley	8	KILA-LD	Requests power increase to 600 watts
Indio	33	KDFX-CD	Granted power reduction to 4.26kw
Lake City	6	KJIV-LP	Call changed from K06FF
Los Angeles	22	KMRZ-LD	Granted power increase to 15kw
<b>Palm Springs</b>	<b>28</b>	<b>KESQ-TV</b>	<b>Granted move from ch. 42, 31.7kw/189m</b>
Santa Maria	29	KQMM-CD	Dismissed Special Temporary Authority to operate at 15kw, 34-54-36/120-11-14







			
<b>Colorado</b>			
Romeo	47	K47KC	Requests power reduction to 1kw; granted


			
<b>Delaware</b>			
Rehoboth	33	WSJZ-LD	License cancelled
<b>Wilmington</b>	<b>2</b>	<b>KJWP</b>	<b>Sold to WFMZ-TV</b>


			
<b>Florida</b>			
Bartow	36	W36EC	Requests power increase to 15kw; granted
<b>Panama City</b>	<b>28</b>	<b>WFSG</b>	<b>Requests channel change from 38, 110kw/152m; granted (repack)</b>
Tallahassee	29	W29EQ	Granted permit for new station, 15kw, 30-34-42/84-15-48 (EICB-TV East)

			
<b>Georgia</b>			
Atlanta	29	WYGA-CD	Granted move from channel 16, 5.38kw; bumped by WPXA-TV
Columbus	40	New-lptv	Application for new station, 5kw, 32-30-44/85-00-41 (DTV America 1)


<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
			
<b>Hawaii</b>			
Lahaina	2	KITM-LD	Requests site change to 20-45-39/156-19-50
			
<b>Idaho</b>			
Boise	14, 23	K14QO, K23NB	Permits granted for new stations, 10w & 200w, 43-45-21/116-05-53 (EICB-TV East)
Fish Creek	34	K34NC	Granted move from K49ND, 603 watts
			
<b>Illinois</b>			
Danville	31	W31BX	Granted Special Temporary Authority to operate at 1kw (vs. normal 3.08kw) due to transmitter failure.
Rockford	41	W22EE	Granted Special Temporary Authority to operate on this channel, at 15kw, using the WIFR-TV antenna. WIFR was sold in the auction and will go dark on May 31 <sup>st</sup> .
			
<b>Indiana</b>			
Fort Wayne	4	W04DU	Permit granted for new station, 3kw, 40-58-38/84-57-58 (DTV America)
			
<b>Kansas</b>			
Emporia	17	KETM-LP	License cancelled
			
<b>Kentucky</b>			
Bowling Green	44	NEW-lptv	Application for new station, 2kw, 37-13-10/86-18-16 (DTV America 1)
Morehead	10	W10BM	Fined \$144,344 for continuing to operate after failing to renew the license since 1993. (and continuing to operate after being informed the license was expired)


<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
			
<b>Maryland</b>			
Baltimore	11	WJZ-TV	Requests channel change from 13, 33.2kw/305m (repack); granted
Salisbury	6	WOWZ-LP	Call changed from WDCO-LP
			
<b>Michoacan</b>			
Uruapan	36	XHCTUR-TDT	Granted 500 watts/395m, 19-27-13/102-02-34
			
<b>Minnesota</b>			
Duluth	14	K14QM	New station on air, 1.5kw, 46-47-16/92-07-01 (EICB-TV East)
St. James	49	K49HE	Requests power reduction to 1.3kw, 44-06-25/95-35-44 (Walnut Grove)
			
<b>Missouri</b>			
Branson	19	KYCW-LD	Granted Special Temporary Authority to operate on this channel vs. authorized ch. 25, at 14.6kw, using the KGHZ antenna. KGHZ has been sold in the auction and will go dark.
			
<b>Nevada</b>			
Las Vegas	36	K36NE	Requests channel change from K43FO, 12.7kw; granted
Laughlin	32	KMCC	<b>Granted Special Temporary Authority to operate site #1 at 25% power for economic reasons, and site #2 at 50% power due to component failure.</b>
			
<b>New Jersey</b>			
Cape May	33	WSJZ-LD	Requests power reduction to 106 watts; granted; calls changed from W33DP.

Location	RF Ch	Callsign	Notes
			
<b>New Mexico</b>			
Caballo	28	K18LP	Granted Special Temporary Authority to operate on channel 28 instead of authorized channel 18, due to interference from KDBC-TV El Paso.
Hornsby Ranch	25	K25HJ	Converted to digital, 190 watts
Lordsburg	14, 29	K14LO, K29DP	License cancelled

			
<b>New York</b>			
Olean	20	W20AB	Power reduced to 100 watts, 42-03-03/78-25-10
Port Jervis	28	W28ES	Granted power reduction to 290 watts, 40-47-17/74-15-19 (West Orange, N.J.)

			
<b>North Carolina</b>			
Moyock	6	WMTO-LP	Site changed to 36-31-00/76-09-43

			
<b>Ohio</b>			
Cincinnati	34	WCET	<b>Granted Special Temporary Authority to operate at a tower height of 281m, as built in 2006, vs. authorized 326m</b>
Lima	2	WTLW	<b>Requests move from ch. 44, 460 watts</b>
Loudonville	51	WIVX-LD	Requests power increase to 3.38kw
Zanesville	30	WHIZ-TV	<b>Requests move from ch. 40, 500kw</b>

			
<b>Oklahoma</b>			
Sallisaw	48	K48FL	Requests site change to 35-26-50/94-21-54 (Van Buren, Ark.)



<i>Location</i>	<i>RF Ch</i>	<i>Callsign</i>	<i>Notes</i>
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**Oregon**

Applegate Valley	15	K15JZ	Channel changed from K02EK, 50 watts, 42-13-07/123-02-02
Bend	15	KFXO-CD	Granted move from 39, 8.85kw



**Puerto Rico**

Aguada	25	WQHA	Requests move from ch. 50, 26.9kw; granted
Mayaguez	22	WOST	Granted Special Temporary Authority to operate at reduced power of 2kw (vs. normal 50kw) pending transmitter replacement
Mayaguez	32	WIPM-TV	Requests move from ch. 35, 583kw; granted
San Juan	26	WIPR-TV	Requests move from ch. 43, 561kw; granted



**Tamaulipas**

Nuevo Laredo	33	XHLAT-TDT	Granted repack from channel 51, 99.01kw
Reynosa	22	XHCTRM-TDT	Granted 145.552kw/48m, 26-04-37/98-17-14



**Tennessee**

Chattanooga	25	WYHB-CD	Requests move from ch. 44, 10.2kw; granted
Knoxville	29	WKOP-TV	Requests channel change from 17, 146kw (repack); granted
Memphis	15	W50EA	Requests channel change from 50, 7.24kw; granted
Nashville	14	WIIW-LP	Power reduced to 1kw, 36-11-14/86-45-27 (Nashville Inner City Ministry, Ellington Parkway & Cleveland St.)



**Texas**

Big Spring	14, 35	K14QN, K35MF	Granted permit for new stations, 10kw & 12.5kw, 32-13-17/101-27-33 (EICB-TV East)
Bryan	20	K20KJ	Requests power reduction to 3kw, 30-18-18/96-01-39 (Whitehall)
Laredo	40	KTNR-LD	Call changed from K40NU
McAllen	27	KRZG-CD	Requests channel change from 32, 2.69kw; granted; bumped by KTFV-CD.

<b>Location</b>	<b>RF Ch</b>	<b>Callsign</b>	<b>Notes</b>
Missouri City	20	KUVM-CD	Granted move from channel 34, 11kw; bumped by KIAH.
San Antonio	25	K27LF	Requests channel change, 14.3kw, but see below
San Antonio	25	KISA-LD	Granted move from channel 40



### Utah

Park City	45	K45AX	Converted to digital, 80 watts
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### Virginia

Virginia Beach	7	WTPC-TV	<b>Granted Special Temporary Authority to operate at unspecified reduced power (less than 80%) due to component failure.</b>
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### Washington

Seattle	24	KRUM-LD	Granted power increase to 15kw
Tacoma	6	KDMD-LD	Granted power increase to 3kw, 47-38-00/122-21-19 (Queen Anne, Seattle)



### Zacatecas

Zacatecas	24	XHZHZ-TDT	<b>Granted power change to 41.9kw/438m, 22-44-23/102-33-21</b>
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I want to emphasize again that any channel sharing partner information printed in last month's *VUD* is unofficial and may not be 100% accurate. The FCC has not yet released official data.

We have our first LPTV repack "victims". Three full-power and eight LPTV and Class A stations have applied to move to new channels. Four are moving from channels above 37; seven are being bumped by other stations. Two different stations have applied for channel 25 at San Antonio & one has already been granted a permit.

On a similar topic, the FCC has released some procedures for LPTV stations in the repacking process. There are several items.

**- Special Displacement Window.**

Around the beginning of December, a 30-day filing window will be held for LPTV stations needing to move to new channels due to repacking. I am not entirely sure why the eight stations mentioned above have not needed to wait for this window. The several months' period is provided to allow full-power and Class A stations to make changes first.

Digital LPTVs may request a transmitter site change to any new site within 48km of the reference coordinates of the station's community of license. Analog LPTVs may move the transmitter up to 16km. I don't know why the different values, nor why for digital stations the move is relative to the principal community while for analog facilities it's relative to the existing transmitter site.

**- Closing date.**

LPTV stations operating above channel 37 may continue to do so until notified by a wireless licensee that the new wireless equipment is ready to begin operating and the LPTV station would likely cause interference.

**- DTDRT translators.**

The original 2009 digital conversion created a Digital Replacement Translator, or DRT, service. DRT stations are intended to fill the gap between a digital full-power station's actual coverage, and the area its original analog signal reached.

The repacking process will create Digital-to-Digital Replacement Translators, or DTDRTs. These stations will fill the gap between a digital full-power station's pre-repack coverage, and its post-repack coverage.

DRT and DTDRT stations will have priority over "ordinary" LPTV and translator stations.

**- LPTV analog shutdown.**

LPTV stations still operating in analog must convert to digital by July 13, 2021.

In Canada... The following CTV-owned stations have all been granted permission to shut down. They're all relayers of some other station which will remain in operation.

<b>Nova Scotia</b>			<b>New Brunswick</b>		
		<i>Ch Power</i>			<i>Ch Power</i>
CJCB-TV-5	Bay St. Lawrence	7 5	CKAM-TV-1	Newcastle	10 150
CJCH-TV-2	Truro	12 150	CKAM-TV-2	Chatham	10 67
CJCH-TV-8	Marinette	23 77	CKCD-TV	Campbellton	7 1,800
			<b>P.E.I.</b>		
			CKCW-TV-2	St. Edward/ St. Louis	5 1,100

<b>Ontario</b>		<i>Ch</i>	<i>Power</i>	<b>Alberta</b>		<i>Ch</i>	<i>Power</i>
CKNX-TV	Wingham	8	260,000	CFCN-TV-1	Drumheller	12	80,000
CHBX-TV-1	Wawa	7	66,400	CFCN-TV-6	Drumheller	10	28
CJOH-TV-8	Cornwall	8	260,000	CFCN-TV-16	Oyen	2	710
CICI-TV-1	Elliot Lake	3	19,000	CFCN-TV-3	Brooks	9	60
CITO-TV-3	Hearst	4	7,110	CFCN-TV-4	Burmis	5	382
CITO-TV-4	Chapleau	9	1,550	CFCN-TV-17	Waterton Park	6	52
CKVR-TV-1	Parry Sound	12	7	CFCN-TV-18	Coleman	8	38
<b>Manitoba</b>				CFRN-TV-2	Peace River	3	4,300
CKYS-TV	Snow Lake	11	19	CFRN-TV- 8	Grouard Mission	18	10,000
<b>Sask.</b>				CFRN-TV-10	Rocky Mountain House	12	1,600
CICC-TV-2	Norquay	7	69,000	<b>B.C.</b>			
CICC-TV-3	Hudson Bay	11	680	CFWL-TV-1	Invermere	8	92
CIEW-TV	Warmley	7	170,000	CFCN-TV-12	Moyie	8	71
CIWH-TV	Wynyard	12	140,000	CFCN-TV-11	Sparwood	6	50
CIPA-TV-1	Spiritwood	10	46,900				
CIPA-TV-2	Big River	7	205				
CKBQ-TV	Melfort	2	15,500				
CKBQ-TV-1	Nipawin	12	11,600				
CKCK-TV-1	Colgate	12	84,800				
CKCK-TV-2	Willow Bunch	6	52,700				
CKCK-TV-7	Fort Qu'Appelle	7	241				
CKMC-TV-1	Golden Prairie	10	229,000				

The Canadian government has made some decisions regarding their repacking moves as well. They've lifted a moratorium on applications for new TV stations; changing channels of existing stations; or increasing power/tower height of existing stations.

Some analog transmitters will be required to convert to digital. Others will be allowed to continue in analog – however, analog service will be secondary and subject to interference. Some stations will be required to convert according to a Transition Schedule; others may wait until a wireless service needs their old channel. The conversion process will be easier for stations that convert under the Schedule, and stations are being urged to do so.

As in the U.S., testing on new channel must be coordinated with other stations. This potentially includes U.S. stations.

Post-repack channels have been assigned. Stations will transition in 14 phases.

# FM Facilities Report

This information is reprinted from Doug Smith's FM News Information posted in the WTFDA Forums <http://forums.wtfda.org>. The WTFDA FM Database is also updated with this information.

## Abbreviations:

AF- New Station Applied For  
 Aux- Auxiliary Backup Transmitter  
 CC- Call Change  
 CL-City of License  
 CX-Canceled

NS-New Station Permit Granted  
 NW-New Station on the Air  
 PC-Power/Height Change Granted  
 PG-Power Change Granted  
 QG-Frequency Change Granted

RA>Returns to the Air  
 ROA-Request of Applicant  
 XG-new site granted  
 XC-transmitter site changed  
 PR/QR-Power or Freq requested

## JUNE 2017 (changes during May)

ALAB Anniston	95.1	W236CQ	PG>230w
ALAB Birmingham	107.3	W297BF	FC; relays WEZZ-FM
ALAB Fruithurst	102.7	WCKS	PC<1kw/200m, 33-39-03/85-17-41
ALAB Huntsville	93.7	W229BL	PC>78w, 34-44-16/86-31-57; relays WHVK 103.5
ALAB Tarrant	98.3	W252BE	PR>100w
ALAB Tuscaloosa	106.3	W292DU	PG>250w
ALAB Waverly	88.7	WELL-FM	granted 60kw-H; was V-only
ALAS Igiugig	103.3	NEW	AF 90w/-7m, 59-19-40/155-53-41 (KDLG)
ALAS Newhalen	103.3	NEW	AF 90w/-26m, 59-43-16/154-53-29 (KDLG)
ALAS Sand Point	91.9	KAEB	PR>30m, 55-21-06/160-28-02
ALBE Wetaskiwin	93.5	CIHS-FM	CX ROA
ARIZ Chilean Mill	94.5	K232FP	QC from 94.3, 65w
ARIZ Florence	103.1	KCDX	PG>42kw/614m, 32-46-44/110-57-46
ARIZ Globe	99.1	K256DB	PR>250w, 33-10-26/111-09-33
ARIZ Globe	99.1	K256DB	QG from K259AS-99.7, 99w
ARIZ Green Valley	94.5	K233CW	CX, expired 9 April
ARIZ Lake Havasu City	98.7	K254CE	PG<50w, 34-33-00/114-11-38
ARIZ Mesa	99.1	K259AS	QC from 99.7, 99w, 33-17-20/110-49-45; CL from Globe; relays KIKO-FM 97.3
ARIZ Nogales	94.5	K233CX	PG>50w, 31-23-06/110-57-01 dismissed ROA
ARIZ Parker Strip	103.1	KDMM	QC from 102.9, 1.6kw/200m, 34-18-39/114-10-08. Transmitter apparently moved to California as class changed to B1.
ARIZ Peach Springs	102.7	K274CO	XG 35-01-30/114-22-49
ARIZ Quartz Site (sic)	106.1	K291CR	PG 150w, 33-06-40/117-12-05
ARIZ Quartzsite	96.5	KBUX	QC from 94.3, 3kw/-47m, 33-41-02/114-13-58
ARIZ Tempe	99.5	K258DH	PG>250w
ARIZ Tucson	99.1	KTDT-LP	PR>-14m
ARIZ Wickenburg	96.3	KSWG	PR 5.3kw/217m, 33-55-22/112-47-34
ARKA El Dorado	98.7	KLBQ	PC>96m, 33-09-32/92-37-47
ARKA Fayetteville	103.1	K276CO	QG from K223CL-92.5
ARKA Harrison	94.9	K235CE	NW 250w, 36-14-35/93-06-43

ARKA Harrison	100.7	KBHQ-LP	PG>50m, 36-14-27/93-07-28
ARKA Pearcy	104.5	KHHS	PC>4.1kw/121m
CALI Anza	97.1	KOYT-LP	QR from 96.3, 102m, 33-33-57/116-42-14
CALI Apple Valley	89.9	K210DL	XG 34-36-37/117-17-15
CALI Arnold	105.9	K290CN	NW 250w, 37-34-46/120-50-48
CALI Auburn	104.5	K283CM	QG from K252DO-98.3, 250w, 38-51-27/121-01-38; CL from Madera; relays KAH1 950
CALI Big Bear City	94.1	KSVB-LP	PC 27m, 34-14-44/116-51-42
CALI Cathedral City	100.9	K265FH	PG>190w
CALI China Lake	94.7	K288AX	QC from 105.5
CALI Crescent City	90.3	K212GJ	QG from K216FE-91.1, 140w, 41-49-40/124-08-01; relays KODV 89.1
CALI Dorris	95.3	K235AG	QC from 94.9
CALI Hollister	89.1	K206BQ	PG<150w, 36-45-22/121-30-06
CALI Indio	97.3	K247CL	PR>34w
CALI Joshua Tree	89.9	K210EN	XG 34-09-11/116-23-20
CALI Lake Los Angeles	101.5	K268CO	PG>185w
CALI Lancaster	102.3	K272FI	PG>250w, 34-58-45/118-10-02
CALI Long Beach	99.1	KRNF-LP	CC from KLBP-LP
CALI Los Alamos	106.3	K292HD	PG>125w
CALI Los Angeles	98.3	K252FO	QG from K236BK-95.1, 100w, 34-04-32/118-39-33; CL from Monterey; relays KSUR 1260
CALI Millbrae	96.1	KQEM-LP	NW 105m, 37-33-44/122-23-06 (Millbrae Radio)
CALI Modesto	90.5	KLXF	PG>5kw
CALI Mojave	96.3	K242CW	NW 130w, 34-14-17/119-12-05
CALI Mountain Pass	99.7	KHYZ	PG 50kw/150m, 35-28-05/115-28-32 CX ROA; remains at old site
CALI Mountain Pass	99.7	KHYZ	PR 50kw/150m, 35-28-05/115-28-32
CALI Murrieta	104.1	KRXC	PG 4.1kw/121m, 33-27-59/117-08-27
CALI Occidental	92.5	KOWS-LP	QC from 107.3, 197m, 38-24-44/122-57-25
CALI Oceanside	96.1	K241CT	QG from K260CG-99.9, 50w, 33-12-51/117-11-12; CL from Mohave Valley, Ariz.; relays KCBQ 1170
CALI Oxnard	99.1	KJBU-LP	CC for NS
CALI Oxnard	96.3	K242CW	PG>130w, 34-14-17/119-12-05
CALI Placerville	92.1	KMJE	CC from KMJE-FM
CALI Port Hueneme	99.1	KXFM	PR 3.8kw/493m, 34-30-10/119-50-56; CL from Santa Maria; amendment from 1.3kw/427m & to change site & CL from Montecito
CALI Rosamond	106.7	K294DA	PG>180w, 34-58-45/118-10-02
CALI Roseville	93.7	KYRV	CC from KQJK
CALI Salinas	97.9	KARW	CC from KLXY
CALI San Miguel	106.5	KEGT	CC for NS
CALI Santa Rosa	89.5	K262CT	QC from 100.3, 38-30-32/122-39-44; relays KUPV-LP 100.5
CALI Santa Rosa	99.1	K258DF	QC from 99.5, 250w, 38-25-06/122-40-33
CALI Santa Rosa	107.5	K298AZ	PG<5w, 38-30-32/122-39-44

CALI Thousand Palms	106.5	K293CL	PG>190w
CALI Tracy	90.7	KYKL	PG<140w
CALI Victorville	90.3	K212EK	XG 34-36-37/117-17-15
CALI Watsonville	107.9	K300DD	NW 24w, 37-03-28/121-46-30; relays KSCO 1080
CALI Westley	95.5	KCBP	CC for NS
CHIH N.CasasGrandes	90.5	XHTX-FM	PG<85m, 30-22-16/107-58-51
COLO Black Forest	102.3	K272FP	QG from K283AS-104.5, 110w, 39-02-47/104-41-38; CL from Hayden; relays KLIM 1120
COLO Burlington	88.1	K201FK	PG<205w, 39-17-41/102-15-37
COLO Cedar Cove	89.1	K204GN	QR from 88.7, 12w
COLO Colorado Sprs.	104.3	K280EQ	QR from 93.1, 95w, 38-48-37/104-52-54; CL from Fort Morgan; relays KFCS 1580
COLO Colorado Sprs.	104.3	K282BU	QG from 93.1, 95w, 38-48-37/104-52-54; CL from Fort Morgan
COLO Estes Park	88.9	K258BE	QR from 99.5, 3w
COLO Estes Park	88.9	K205GA	QG from K258BE-99.5, 3w; relays KLOV 89.3
COLO Fort Collins	104.5	K283CN	QG from K268BX-101.5, 80w, 40-32-47/105-11-53; CL from Cheyenne, Wyo.; relays KJMP 870
COLO Grand Junction	91.3	KMSA	PR>5kw/398m, 39-03-59/108-44-41
COLO Pueblo	96.5	K243CI	NW 250w, 38-15-57/104-40-44
COLO Pueblo	96.5	K243CI	NW 250w, 38-15-57/104-40-44; relays KFEL 970
COLO Salida	102.9	K275CR	QG from K276AA-103.1, 90w, 38-27-11/106-01-02
CONN Milford	101.7	W269DB	PR<92w, 41-20-58/72-58-22
CONN Southington	96.1	W241CG	PG<210w
DELA Wilmington	107.3	W297CA	QG from W238BL-95.5, 250w, 39-50-02/75-31-27; CL from Wildwood, N.J.; relays WSRV 1550
DIST Washington	95.9	W240DJ	PG>250w, 39-00-00/77-03-26
DIST Washington	103.1	W274BX	QR from 102.7, 38-56-24/77-04-54; CL from Petersburg, Va. dismissed ROA
DIST Washington	103.1	W281AW	QR from 104.1, 180w, 38-57-19/77-00-15; CL from Petersburg, Va. dismissed ROA
FLOR Callahan	97.5	W248CT	PR<2w, 30-22-29/81-44-26; PG
FLOR Cypress Qrtrs.	90.5	WREH	CX ROA
FLOR Daytona Beach	104.7	W284DB	QG from W231CN-94.1, 20w, 29-10-24/81-09-26
FLOR DeBary	97.1	WJVE-LP	QC form 99.9, 31m
FLOR Gainesville	98.9	W255CV	PG>250w
FLOR Jacksonville	99.5	W258CN	PC>250w
FLOR Kissimmee	97.9	W250CE	PG>250w
FLOR Melrose Park	99.5	W258CZ	NW 250w, 26-04-39/80-13-02; relays WSRF 1580
FLOR Miami	103.1	NEW-lpfm	AF dismissed (North Miami Hispanic Community Radio)
FLOR Miami	92.7	NEW-lpfm	XR 25-48-40/80-14-10
FLOR Miami	92.7	WMXR-LP	PG>30m, 25-48-40/80-14-10
FLOR Orlando	88.3	WPOZ	req. CL from Union Park
FLOR Panama City	92.9	W225AG	QG from W230CA-93.9, 250w
FLOR Rockledge	92.9	WZAY-LP	NW 100w/15m, 28-19-11/80-44-28 (Rockledge Church of Christ)

FLOR Sarasota	97.3	W247AF	XR 27-20-08/82-28-19
FLOR Sarasota	103.9	W280EV	NW 250w, 27-20-08/82-28-20; relays WSDV 1450
FLOR St. Petersburg	101.1	W266CW	PR<235w, 27-56-50/82-27-33
FLOR St. Petersburg	101.1	W266CW	PG<235w, 27-56-50/82-27-33
FLOR Tallahassee	95.7	W239CG	NW 10w, 30-28-12/84-17-16; relays WAYP 88.3
FLOR West Palm	90.9	W268CF	QC from 101.5
GEOR Atlanta	93.7	W229AG	PG>250w
GEOR Blue Ridge	89.3	W203BA	QC from 88.5
GEOR Carrollton	106.3	W292EW	PG<190w
GEOR Cornelia	107.7	W299AT	PG>250w, 34-30-07/83-30-44
GEOR Darien	107.7	WHFX	AF 8kw/99m, 31-10-09/81-32-14 (aux)
GEOR Darien	107.7	WHFX	NS 8kw/99m (aux)
GEOR East Albany	95.5	W238CT	QG from W240DI-95.9
GEOR Ellijay	101.1	WLJA-FM	AF 630w/96m, 34-42-57/84-31-07 (aux)
GEOR Hawkinsville	103.9	WQXZ	FC; sold to Educational Media Foundation
GEOR Macon	99.5	W258AP	PC>250w; relays WRWR 107.5
GEOR Montezuma	105.9	W290BD	PG<20w, 32-37-48/83-38-43
GEOR Waycross	102.5	WYNR	AF 850w/85m, 31-10-09/81-32-14 (aux)
GEOR Waycross	103.3	WQGA	AF 800w/99m, 31-10-09/81-32-14 (aux)
GEOR Waycross	102.5	WYNR	NS 850w/85m, 31-10-09/81-32-14 (aux)
HAWA Honolulu	90.5	K216FI	QR from 91.1, 135w, amendment from 90.7
HAWA Honolulu	90.7	K214FH	QG from K216FI-91.1, 135w, but promptly amended to 90.5
HAWA Honolulu	94.3	K232FL	PR>250w, 21-20-09/157-49-04; PG; CL from Lahaina
HAWA Honolulu	95.1	K236CR	PR>250w, 21-20-09/157-49-04; PG; CL from Kihei
IDAH Boise	107.5	K298CN	NW 99w, 43-45-18/116-05-52; relays KIDO 580
IDAH Grangeville	96.9	K245CH	PG>250w
IDAH Lava Hot Sprs .	101.9	K231BY	QC from 94.1, 99w, 42-52-26/112-30-47; relays KCVI 101.5
ILLI Beardstown	106.3	W292FC	NW 250w, 40-00-10/90-23-52; relays WRMS 790
ILLI Chicago	95.1	W236CF	PC<80w, 41-52-44/87-38-08; CL from Homewood
ILLI Chicago	103.1	W276BM	PR>120w, 41-53-21/87-37-36; (Trump Tower Chicago) CL from Park Forest; to relay WRDZ 1300
ILLI Chicago	104.7	W284DA	PG>99w
ILLI Chicago	98.3	W252AW	XC 41-45-54/87-39-51; CL from Ridgefield
ILLI Park Forest	99.1	W256CL	PG>112w, 41-27-15/87-43-22
ILLI Peoria	95.9	W251BQ	QC from 98.1, 250w, 40-38-53/89-33-26
ILLI Plano	102.5	W273CZ	QG from W291BW-106.1, 25w, 41-39-55/88-34-34; CL from Seward; relays WSQR 1180
ILLI Rockford	103.9	W280EN	PC>250w
ILLI Rockford	103.9	W280EN	PC>250w
ILLI Vernon Hills	104.7	W296DA	QR from 107.1, 160w dismissed ROA
INDI Indianapolis	95.1	W236CR	PG>250w, 39-53-39/86-12-21; CL from Frankfort; to relay WTLC 1310



INDI Liberty	89.7	WENS	CX ROA
INDI Logansport	94.9	W235CU	QG from W231BT-94.1, 250w, 40-45-17/86-18-41; CL from Martinsville; relays WSAL 1230
IOWA Boone	96.5	K243CO	QG from K234BB-94.7, 250w, 41-48-01/93-36-27; CL from Harlan; relays KDLF 1260
IOWA Des Moines	106.9	K295CB	PG>132w; relays KXLQ 1490
IOWA Dubuque	89.7	KNSY	PC>610w-H/3kw-V
IOWA Dubuque	89.7	KNSY	PG>610w-H/3kw-V
IOWA Estherville	97.3	K247CJ	QG from K257DM-99.3, 250w, 43-25-47/94-49-22; CL from Glencoe, Minn.; relays KILR 1070; QC
IOWA Ottumwa	91.1	KICW	PG>1.7kw
IOWA Washington	106.1	KCII-FM	PC>6.2kw
IOWA Washington	106.1	KCII-FM	PG>6.2kw
KANS Ashland	94.7	K234AG	PG<205w, 37-12-49/99-48-29
KANS Baldwin City	89.7	KNBU	CX ROA
KANS Burlingame	98.5	KSAJ-FM	PR<17.5kw/256m, 39-03-50/95-45-49; CL from Abilene
KANS Pittsburg	107.9	K300DE	NW 250w, 37-23-44/94-40-42
KANS Salina	96.5	K243BD	PC>250w
KANS Wichita	96.7	K244FL	PG>99w, 37-43-05/97-19-05
KENT Brownsville	100.7	WKLY	PG>11.5kw/184m
KENT Frankfort	88.3	W202AZ	PC>38w
KENT Highland Hghts.	89.7	WNKU	FC; sold to Bible Broadcasting
KENT Hyden	102.5	WWBZ-LP	PG>12m, 37-12-55/83-24-44
KENT Hyden	102.5	WWBZ-LP	PC>12m, 37-12-55/83-24-44
KENT Lancaster	94.1	W231DM	QG from 97.7
KENT Lawrenceburg	102.9	W275BT	PC<27w, 38-15-35/84-51-21; relays WKUE 90.9
KENT Lawrenceburg	102.9	W275BT	PG<27w, 38-15-35/84-51-21; relays WKUE 90.9
KENT London	106.9	W295CC	PG>250w
KENT Middletown	104.9	W285ER	PC>250w, 38-23-47/85-35-17; CL from Prospect; relays WAKY 620
KENT Prospect	104.9	W285ER	PG<120w, 38-21-23/85-33-29 CX ROA; going to 250w at different site instead
KENT Providence	104.9	WWKY	CC from WAVJ
KENT Sebree	97.7	WREF	CC from WWKY
MAIN Portland	107.1	W296CZ	PG>250w
MAIN Portland	107.1	W296CZ	PC>250w
MAIN South Paris	96.9	W245CQ	PG>250w; PC
MARY Bowie	99.1	WDCH-FM	NW 17kw/151m, 38-59-46/76-39-26 (aux)
MARY Salisbury	104.3	W282AW	XC 38-23-09/75-35-32; CL from Ocean Pines
MASS Boston	106.1	W231BI	QC from 94.1, 99w, 42-20-57/71-04-31; CL from Utica, N.Y.; relays WRCA 1330
MASS Chicopee	98.7	WYHV-LP	NW 84m, 42-11-04/72-39-59 (Church of New Covenant)
MASS Chicopee	98.7	WYHV-LP	Permit "undeleted"; expiration date extended
MASS E.Longmeadow	95.3	W237EP	QG from W286DB-105.1, 42-05-05/72-42-14
MASS Lowell	95.1	W236CU	PG<70w, 42-39-14/71-13-02

MICH Cassopolis	96.7	W244DS	QG from W242CN-96.3
MICH Detroit	96.7	WNUC-LP	NW 40m, 42-22-21/83-04-42 (North End Woodward Community Coalition)
MICH Detroit	92.7	W224CC	PG>99w
MICH Dimondale	100.3	W262BD	PR>99w
MICH Holly	94.1	W231CV	PG>250w, 42-41-26/83-17-53 CX ROA; going for 210 watts instead
MICH Iron River	95.3	W237AW	PR>55w
MICH Lake City	104.9	WAIR	PC>2.8kw
MICH Three Rivers	97.1	W246BW	PG>250w
MICHO Morelia	93.1	XHLIA-FM	PG>269m, 19-43-21/101-16-21
MINN Alexandria	99.3	KXRZ	PG>12kw/82m
MINN Hayfield	98.5	K252DM	QC from 98.3, 43-53-14/92-50-56; CL from Blooming Prairie
MISSI Diamondhead	96.3	WQRG-LP	NW 57m, 30-30-26/89-27-00 (Hancock Co. Amateur Radio Assoc.; "QRG" is ham talk for "frequency")
MISSI Hattiesburg	98.7	WOJY-LP	PR>90m, 31-20-07/89-19-35
MISSI Hattiesburg	98.7	WOJY-LP	PG>11w/90m, 31-20-07/89-19-35
MISSI Jackson	103.5	W278BW	PG>250w, 32-16-51/90-17-38; CL from Tallulah, La.
MISSI Jackson	107.1	K258CH	QR from 99.5, 195w, 32-23-12/90-09-47; CL from Baker, La.
MISSI Macon	102.5	W273CY	QG from W294AT-106.7, 32-16-51/90-17-38
MISSI South Haven	106.5	WILU-LP	QG form 107.9, 30m, 34-55-55/89-58-38
MISSO Gray Summit	90.1	K211GB	QG from K264CC-100.7, 50w
MISSO Harrisonville	106.9	K295CH	XC 38-45-26/94-26-02; PR<115w, 39-00-56/94-30-24
MISSO Kearney	102.7	KPGZ-LP	PC 36m, 39-22-13/94-22-45; CL from Excelsior Springs
MISSO Kingsville	92.7	K224ET	PG>250w, 38-43-23/94-08-29; CL from Knob Noster
MISSO Moberly	106.5	K293BX	PR<200w
MISSO Neosho	105.9	K290CO	PG>250w
MISSO Neosho	105.9	K290CO	PC>250w
MISSO Shrewsbury	96.7	K244FO	QG from W248CH-97.5, 250w, 38-34-50/90-19-44; CL from Belleville, Ill.
MISSO St. Louis	95.1	K236CS	QG from 97.7, 99w, 38-36-47/90-20-09; CL from Cofax, Ind.; relays WSDZ 1260
MISSO St. Louis	95.9	K240ES	QG from K286AR-105.1, 99w, 38-34-28/90-19-31; CL from Stover
MISSO St. Louis	105.3	K287BY	QG from 104.5, 99w, 38-36-47/90-20-09; CL from Festus
MONT Billings	102.5	K273CV	PR>99w, 45-46-04/108-27-27 dismissed ROA; going for 96.3 Casper, Wyo. instead
MONT Choteau	95.7	KETI-LP	QR from 95.5, 24m
MONT Choteau	95.7	KETI-LP	PG<100w/24m
MONT Klein	99.9	KLMB	CC from KZMO
MONT Lima	100.9	KBOQ	CC for NS
MONT Roundup	88.1	KQPZ	CC from KLMB
MONT Whitefish	102.7	K274CY	NW 90w, 48-30-42/114-22-16; relays KSAM 1240
MONT Whitefish	102.7	K274CY	PR>250w
NEBR Briggs	98.9	K255CJ	PG<3w, 41-15-23/95-56-12
NEBR Crawford	88.1	KCFD	PC<100w/-63m, 42-41-06/103-24-52

NEBR Grand Island	106.9	K260CQ	QC from 99.9, 250w, 40-51-53/98-23-47; CL from Yuma, Colo.; relays KRGI 1430
NEBR West Point	98.3	K252EG	PG>250w; PC
NEVA Amargosa Villy.	106.1	KZNV	QG from 105.9, 100kw/595m, 36-38-26/115-55-27
NEVA Calnevair (sic)	101.7	K269GB	PG<1w, 35-01-31/114-221-55
NEVA Spring Creek	99.7	KDHE-LP	PC>-20m, 40-45-08/115-33-08
NEWH Laconia	107.3	W297BS	PG>250w, 43-33-09/71-34-45
NEWH Tilton	92.9	W225CB	PG>250w
NEWH Tilton	92.9	W225CB	PC>250w
NEWH Wolfeboro	97.1	W246DI	QR from W264DA-100.7, 165w, 43-36-47/71-03-14 reinstated; QG
NEWJ Atlantic City	103.1	W276CW	PR>19w, 39-21-25/74-25-33
NEWJ Atlantic City	93.9	W230AA	PG>250w, 39-22-35/74-33-44; relays WMID 1340
NEWJ Cape May Court House	88.1	WJPG	PC>1.5kw/129m, 39-07-47/74-47-18
NEWJ Ewansville	107.9	W298CJ	QR from 107.5, 185w
NEWJ Hammonton	104.5	W281BN	CX
NEWJ New Brunswick	103.9	WUEY-LP	CX 312(g) (off-air over a year)
NEWJ North Cape May	106.3	WJSE	PR 5.4kw/105m; CL from Ocean City
NEWJ Parsippany	96.7	W244DU	PG>100w, 40-32-22/74-23-24
NEWJ Villas	98.7	WCZT	PG<90m, 39-00-33/74-52-13
NEWM Las Cruces	92.7	K224FI	QG from K277CW-103.3, 250w, 32-18-07/106-48-08; CL from Benson, Ariz.; relays KOBE 1450
NEWM Tularosa	88.1	KNMA	PR<500w/496m, 32-49-47/105-53-10; CL from Socorro
NEWY Arcade	104.9	W285EZ	PG>250w
NEWY Arcade	104.9	W285EZ	PC>250w
NEWY Batavia	102.9	W275BL	PR<13w
NEWY Batavia	102.9	W275BL	PG<13w
NEWY Buffalo	96.5	W243DX	QG from W289AU-105.7, 35w, 42-52-48/78-52-34; CL from Scranton, Penna.; relays WUFO 1080
NEWY Canandaigua	104.5	W283BF	PG>240w, 42-44-47/77-25-35; CL from Bristol
NEWY Elmira	106.5	W293CZ	QG from W229AS-93.7, 80w, 42-01-55/76-47-02; CL from Corning; relays WELM 1410
NEWY Fulton	98.9	W255DC	QG from W254CI-98.7, 210w, 43-17-41/76-26-35; CL from Camillus; relays WOLF-FM 92.1
NEWY Geneva	95.9	W240DO	QG from W241AW-96.1, 250w
NEWY Hauppauge (sic)	107.1	W296CQ	QG from W243DM-96.5, 250w
NEWY Herkimer	98.3	W252DO	XG 43-08-41/75-10-34
NEWY Hornell	99.3	W257AX	PR>75w
NEWY Ithaca	93.5	WVBR-FM	PG>3.8kw/73m, 42-25-45/76-27-04
NEWY Liberty	88.1	WGWR	PG>350w
NEWY Medina	100.3	W262CQ	XG 43-19-44/78-40-47
NEWY Monroe	89.3	WLJP	PG>1.6kw

NEWY Monticello	94.9	W235AW	PG>250w, 41-39-37/74-41-15; CL from Rock Hill
NEWY Newburgh	105.3	W287CY	QG from W247AW-97.3, 41-28-25/74-08-22; CL from Poughkeepsie; relays WGNV 1220
NEWY Olean	100.5	W263CZ	QG from W294AW-106.7, 250w, 42-06-18/78-23-25; CL from Dansville
NEWY Penn Yan	96.1	W241CN	QG from W260BE-99.9, 230w, 42-37-14/77-15-16; CL from Watertown, N.Y.; relays WFLR 1570
NEWY Port Jervis	92.7	W224DL	QG from W227CM-93.3, 2w, 41-20-10/74-47-45
NEWY Port Jervis	96.5	W227CM	QG from 92.9 CX ROA, going to 92.7 instead
NEWY Poughkeepsie	93.9	W230CM	XG 41-52-25/73-59-42
NEWY Syracuse	92.5	W288AS	QC from 105.5, 250w, 43-03-30/76-10-00; CL from Ithaca; relays WOLF 1490
NEWY Watkins Glen	90.5	W213BW	PG>10w
NEWY Westfield	100.9	NEW	AF dismissed for failing to pay downpayment of \$107,100 on winning bid of \$535,500. MM-FM1090-A.
NORTHC Asheville	92.9	W225CJ	PG>180w, 35-35-50/82-36-21
NORTHC Asheville	107.9	W300CR	XR 35-35-42/82-33-08
NORTHC Cullowhee	89.7	W209AE	PC>19w
NORTHC Cullowhee	89.7	W209AE	PG>19w
NORTHC Durham	92.1	W224DK	QR from 92.7
NORTHC Fayetteville	100.1	W261CX	XR 35-03-35/78-59-24
NORTHC Hendersonville	107.7	W299BZ	XG 35-20-18/82-29-02
NORTHC Hendersonville	104.7	W284CO	PC<10w, 35-31-39/82-29-44
NORTHC Hendersonville	107.7	W299BZ	XC 35-20-18/82-29-02
NORTHC Hendersonville	104.7	W284CO	PG<10w, 35-31-39/82-29-44
NORTHC Hickory	101.3	W267CH	PG>250w
NORTHC Hickory	101.3	W267CH	PC>250w
NORTHC Lenoir	99.5	W258CS	XG 35-43-22/81-36-31
NORTHC Raleigh	97.9	W250AZ	PG>200w-H/84w-V, 35-48-13/78-37-27; CL from Wendell
NORTHC Raleigh	95.7	W239CK	PG>250w, 35-42-50/78-49-04
NORTHC Raleigh	95.7	W239CK	PR>250w, 35-42-50/78-49-04
NORTHC Spring Lake	106.5	W250AQ	QR from 97.9, 250w, 35-03-35/78-59-24; CL from Thomson, Ga.; to relay WFBX 1450
NORTHC Statesville	100.7	W264CU	PG<99w, 35-35-43/80-50-31; CL from Hickory; relays WSIC 1400
NORTHC Valdese	96.5	W243DV	PG>250w, 35-43-22/81-36-28
NORTHC Wilmington	96.7	W244DH	PR>250w, 34-05-52/77-58-18
NORTHD Fargo	93.1	K226CL	QG from K261BA-101.3
NORTHD Hettinger	102.3	KZRN	PG<7.5kw/66m, 45-57-35/102-38-28
NORTHD Horace	89.5	KFAA	PC>7.3kw/28m
NORTHD Jamestown	89.1	KJKL	CC from KLJN
NORTHD Lincoln	89.1	KLBF	FC; sold to KTIS
OHIO Ashland	101.3	WNCO-FM	NW 9.8kw/120m (aux)
OHIO Ashtabula	96.1	WOHK	PG>3.3kw/136m, 41-53-04/80-38-28
OHIO Beachwood	101.1	W266CJ	QG from W268CV-101.5, 250w

OHIO Cincinnati	101.5	W268CM	XG 39-07-19/84-32-52
OHIO Cleveland	94.5	W233CG	PG>250w, 41-20-28/81-44-24
OHIO Columbus	95.1	W236CZ	QG from W230AR-93.9, 88w, 39-58-16/83-01-40; CL from Muncie, Ind.; to relay WMNI 920
OHIO Dover	102.3	WDNP-LP	CC from WDPE-LP
OHIO Jeffersonville	106.9	WZAA-LP	PG>35m, 39-39-16/83-32-13
OHIO Mount Vernon	100.9	W265DJ	PG>250w
OHIO Mount Vernon	100.9	W265DJ	PC>250w
OHIO New Boston	104.1	WNKE	FC; sold to Educational Media Foundation
OHIO Urbana	106.9	W295CI	PG>250w
OHIO Zanesville	91.7	WJIC	XR 39-57-37/82-13-00
OKLA Enid	91.1	KKRD	PR 450w/63m, 36-23-57/97-52-48
OKLA Poteau	104.3	K282BT	QG from K285AY-104.9, 250w, 35-04-26/94-40-40; relays KFSA 950
OKLA Tulsa	98.1	KMFO-LP	PG 180m, 36-09-09/95-59-19
ONTA Peterborough	98.7	CBCP-FM	PG 12.438kw/272m, 44-07-16/78-08-08
ONTA Peterborough	103.9	CBBP-FM	PG 12.438kw/272m, 44-07-16/78-08-08
ONTA Peterborough	106.3	CJBC-5-FM	PG 12.438kw/272m, 44-07-16/78-08-08
OREG Ashland	101.5	K268GF	PC>53w
OREG Chiloquin	101.5	KGMW-LP	CC for NS
OREG Chiloquin	101.5	KGMW-LP	NW -66m, 42-34-03/121-51-46 (Klamath Co. School Dist.)
OREG Coburg	107.3	K297AJ	PG>135w
OREG Eugene	98.1	K251BN	QG from K243BG-96.5, 195w, 44-00-04/123-06-45; CL from Corvallis; relays KSCR 1320
OREG La Grande	102.3	KWRL	QR from 99.9
OREG La Grande	102.3	KWRL	QG from 99.9
OREG Phoenix	99.5	K258DB	QC from 100.9, 11w, 42-17-57/122-44-56
OREG Phoenix	99.5	K265AI	QC from 100.9, 11w, 42-17-57/122-44-56; CL from Yreka, Calif.; relays KCMX 880
OREG Portland	100.7	KBSF-LP	NW 8m, 45-30-19/122-29-04 (Slavic Community Center of NW) Shares time with KRJJ-LP, operates 2pm-2am.
OREG Portland	100.7	KRJJ-LP	NW 8m, 45-30-19/122-29-04 (Jehovah Jireh International Mission) Shares time with KBSF-LP, operates 2am-2pm.
OREG Portland	97.5	K248DD	XR 45-27-12/122-32-47
OREG Selma	88.7	KYSO	CC from KJKL
OREG The Dalles	103.9	K280FJ	PG<240w, 45-38-59/121-16-23
PENN Berwick	94.7	W234BH	PG<225w, 41-06-50/76-14-17; CL from West Hazleton
PENN Bethlehem	98.5	W227DE	QR from 93.3; amendment from 98.3
PENN Bethlehem	98.5	W253CB	98.5
PENN Bradford	99.1	W256BS	QG from 99.3, 25w, 41-56-48/78-32-00
PENN Burgettstown	104.3	WLYI	CC from WOGH
PENN Carlisle	91.3	WPFG	PG>2.15kw/247m
PENN Colmar	97.1	W246CN	PG>250w; to relay WPAZ 1370
PENN Harrisburg	95.3	W237DE	PG>250w

PENN Johnstown	101.3	W267CM	PG>250w, 40-22-16/78-59-05
PENN Philadelphia	92.1	W260CZ	QR from 102.5, 99w, 40-00-57/75-06-39; CL from Clayton, N.J. dismissed ROA; going for 250 watts on 99.9 instead
PENN Philadelphia	99.9	W260CZ	QG from 102.5, 250w, 40-00-57/75-06-39; CL from Clayton, N.J.; relays WHAT 1340
PENN Philadelphia	96.1	W222AT	QC from 92.3, 99w, 40-00-13/75-12-08; CL from Hamilton, N.Y.; relays WURD 900
PENN Reading	92.9	W225CF	NW 99w, 40-21-15/75-53-55
PENN Reading	99.3	W257DI	PR<100w, 40-21-08/75-55-28
PENN Reading	92.9	W225CF	NW 99w, 40-21-15/75-53-55; relays WLEV 100.7
PENN Scranton	97.5	W248BP	PG<36w, 41-25-36/75-44-52; CL from Plains
PENN Uniontown	106.3	W292DH	PG>250w, 40-25-52/80-00-25
PUER Aguadilla	100.3	WIVA-FM	AF 11.5kw/633m (aux); NS
PUER Ceiba	101.5	WNVE	QC from 101.7, 6kw/224m, 18-16-50/65-40-13
PUER Moca	97.9	WZFE-LP	PC<-36m, 18-23-49/67-07-02
RHOD Providence	95.5	WBRU	PG>26kw/209m, 41-48-12/71-33-27
SOUTH Atlantic Bch.	103.5	W278CB	XC 33-50-07/78-52-06
SOUTH Clemson	103.5	W278CG	QG from W259CN-99.7, 34-49-57/82-48-13; CL from Elberton, Ga.; relays WSNW 1150
SOUTH Lexington	97.9	W241AK	QC from 96.1, 250w, 33-58-25/81-08-59; CL from Ocilla, Ga.; relays WDEK 1170
SOUTH Marion	100.5	WQPD	CC from WHLZ
SOUTH Seven Oaks	99.1	WXNW-LP	PG 43m, 343-07-36/81-13-36
SOUTH Union	106.7	W294CB	QG from W278BE-103.5, 34-45-32/81-38-10
SOUTH Custer	105.1	KAWK	CX, station has operated from unauthorized site since 2009. (and has only operated 180 days since 2009)
SOUTH Rapid City	100.7	K264CP	NW 250w/94m, 44-04-07/103-15-02; relays KOTA 1380
TENN Athens	95.1	W236DC	QG from W235AZ-94.9, 170w
TENN Bristol	98.1	W251CJ	QG from W250BG-97.9
TENN Chattanooga	96.9	W245CW	QG from W277DA-103.3, 175w
TENN Dayton	97.1	W246DG	PG>107w
TENN Dayton	97.1	W246DG	PC>107w
TENN Jackson	103.5	W278CL	QG from W279AZ-103.7
TENN Johnson City	97.7	W249AH	PG>250w, 36-25-53/82-08-16
TENN Knoxville	97.1	W246DH	PG>250w, 36-00-21/83-56-20; CL from Seymour
TENN Lenoir City	102.7	W274BZ	NW 170w, 35-42-38/84-10-46; relays WLIL 730
TENN Lenoir City	95.1	W236DA	QG from W269CG-101.7, 90w, 35-47-32/84-17-45; CL from Priceville, Ala.; relays WBLC 1360
TENN Martin	96.1	W241BE	XG 36-15-50/88-40-03; relays WCMT 1410
TENN Nashville	104.1	WDYO-LP	PR<12m, 36-06-55/86-44-49
TEXA Agua Dulce	107.7	KOUL	XC 27-46-35/97-55-10
TEXA Amarillo	92.7	K224EF	PG>250w
TEXA Anthony	102.7	K274BL	PG>95w, 31-47-47/106-28-55
TEXA Austin	103.9	K280GN	PG>250w

TEXA Austin	99.7	K259AJ	PG>250w
TEXA Austin	96.3	K270CP	QR from 103.5, 25w, 30-19-20/97-48-03; CL from Bloomington; relays KOKE 1600
TEXA Baytown	103.3	KZCV-LP	QG from 92.5, 65m, 29-49-06/94-53-28
TEXA Blowout	88.9	KTSN-FM	CC from KTSN
TEXA Canyon	94.5	K233CB	PG>40w, 35-06-50/101-49-16; relays KBZD 99.7; PR>250w, 35-13-25/101-50-21
TEXA Childress	99.7	KCHT	PG>4kw/164m
TEXA Clarksville	106.5	K293CN	QG from K292GA-106.3, 33-03-44/96-06-36; relays KETR 88.9; QC
TEXA Cleburne	98.3	K252EB	PG>250w, 32-24-04/97-03-52
TEXA Cleburne	98.3	K252EB	PC>250w, 32-24-04/97-03-52
TEXA Corpus Christi	101.7	K269GN	PG>250w
TEXA Dallas	92.1	NEW-lpfm	AF dismissed (Casa de Rescate)
TEXA Dallas	104.1	KEJC-LP	PG<26m; PC
TEXA El Paso	95.9	K240ER	NW 10w, 31-48-57/106-29-18; relays KELP 1590
TEXA Farwell	92.3	KIJN-FM	PR<51kw
TEXA Graham	99.3	K257GH	QG from K254CU-98.7, 99w, 32-45-17/98-18-18
TEXA Graham	99.3	K254CU	NW 99w, 32-45-17/98-18-18
TEXA Guthrie	107.7	NEW	QR from 98.3, 120w/20m
TEXA Hartley	90.5	KUHC	PG>6kw/80m, 36-02-49/102-30-42; CL from Clayton, N.M.
TEXA Houston	92.3	K222CX	PG>250w
TEXA Houston	96.9	K245CQ	QG from K240CW-95.9, 50w, 29-42-24/95-23-17; CL from Corpus Christi; relays KWWJ 1360
TEXA Houston	105.3	K287BQ	PR<20w, 29-33-44/95-30-35 dismissed ROA; going for 99 watts at 29-45-30/95-22-03 instead; PG; PC
TEXA Houston	96.1	K241CM	PG>250w
TEXA Houston	98.3	K252FR	QG from K227BD-93.3, 250w/114m, 29-33-44/95-30-35; CL from Bellaire
TEXA Houston	95.3	NEW-lpfm	AF 90m, 29-53-15/95-31-23 reinstated (Centro de Fe y Avivamiento del Santo Espiritu)
TEXA Houston	96.1	NEW-lpfm	AF 55m, 29-56-38/95-16-49 reinstated (Centro Mundial de Fe)
TEXA Live Oak	107.9	K300DG	QG from K264CJ-100.7
TEXA Livingston	99.5	K258DI	PG 2520w, 30-03-54/95-16-10
TEXA Lufkin	90.9	KSWP	PR>271m, 31-21-38/94-38-55 reinstated
TEXA Marfa	98.9	KKLK-LP	XR 30-18-46/104-00-36
TEXA Marfa	98.9	KKLK-LP	PG<-12m, 30-18-46/104-00-36
TEXA McKinney	104.1	K281CS	NW 250w, 33-03-50/96-35-02
TEXA McKinney	104.1	K281CS	NW 250w, 33-03-50/96-35-02; relays KHSE 700
TEXA Mexia	101.5	K268BQ	PG>20w, 32-05-57/96-36-00
TEXA Mexia	92.1	K221FI	PG<10w, 31-58-24/96-37-52; PC
TEXA Mexia	101.5	K268BQ	PC>20w, 32-05-57/96-36-00
TEXA Midland	99.5	K258AO	PC<140w, 31-58-03/102-07-06
TEXA Mineral Wells	97.5	K248BY	PG<43w, 32-44-21/97-47-59; relays KYQX 89.5
TEXA Palestine	107.9	KINF-LP	NW 41m, 31-46-19/95-37-25 (Sacred Heart Catholic Church Parish Council)
TEXA Pittsburg	94.9	KCUS-LP	NW 21m, 33-02-35/94-59-34 (Owl Learning Center)

TEXA Round Rock	101.9	K270CO	PC>250w
TEXA San Antonio	96.9	KPPC-LP	XR 29-31-46/98-21-40
TEXA San Antonio	100.7	K264CR	QG from K221GF-92.1, 99w
TEXA San Antonio	96.9	KPPC-LP	PG 50m, 29-31-46/98-21-40
TEXA Slaton	92.7	KJAK	PC<33kw/182m, 33-31-33/101-52-07
TEXA Springtown	89.1	KSQX	PR>47kw; amendment from 49kw
TEXA Sunset Valley	92.5	KVLR	NW 3.2kw/149m, 30-19-23/97-47-59 (aux)
TEXA Weatherford	89.5	KYQX	PC>26kw CX ROA; to remain 4.5kw
TEXA Ysleta del Sur Pueblo		KUDH-LP	CC for NS; NW -16m, 31-37-00/106-17-32 (Ysleta del Sur Pueblo)
UTAH Cedar City	107.7	K299BU	NW 250w, 378-38-43/113-22-22; relays KSUB 590
UTAH Gunnison		KUTC	CC from KMGR
UTAH North Salt Lake	99.9	K229CJ	QR from 93.7, 250w, 41-15-21/112-14-13
VERM Barre	105.7	W289CH	PR>250w
VERM Brattleboro	100.3	W262CL	PC>250w
VERM Brattleboro	100.3	W262CL	XG 42-50-47/72-41-17
VIRG Blacksburg	98.5	W253BH	NW 10w/169m, 37-11-13/80-27-21
VIRG Charlottesville	92.7	WCVL-FM	CC from WUVA
VIRG Charlottesville	102.9	W275CL	QG from W276DA-103.1, 120w
VIRG Chincoteague	101.5	WIEZ	CC from WOWZ
VIRG Christiansburg	94.3	W231BC	QC from 94.1, 170w
VIRG Christiansburg	105.9	W292CU	QC from 106.3, 36w
VIRG Colonial Heights	90.1	WARV-FM	CC from WKYV
VIRG Covington	103.5	W278BF	PG>250w
VIRG Petersburg	100.3	WKYV	CC from WARV-FM
VIRG Portsmouth	106.5	WJVA-LP	PR<100w/17m, 36-49-04/76-27-36
VIRG Richmond	101.7	W269DC	QG from W279BA-103.7, 250w, 37-30-53/77-30-28; CL from East New Market, Md.; relays WVNZ 1320
VIRG Richmond	99.5	W258DC	QG from W227DJ-93.3, 99w, 37-36-52/77-30-56; CL from Paramount, Md.; relays WXGI 950
VIRG Richmond	101.3	W267CB	PR<220w
VIRG Roanoke	101.9	W270CU	PG>250w
WASH Bellingham	101.9	K270CL	PR>205w; PG
WASH Centralia	100.5	K263BS	PG>250w; PC
WASH Chewelah	102.7	KCHW	PC>3kw/287m, 48-15-51/117-46-28
WASH Eaglemount	107.9	K232FM	QR from 94.3, 70w, 45-27-12/122-32-47
WASH Everett	88.1	K201EN	XR 48-03-04/121-51-39
WASH Granite Falls	88.9	K206DL	QR from 89.1, 10w, 48-03-41/121-51-39
WASH Olympia	100.3	KOLP-LP	PR<-28m, 46-57-27/122-56-51; PG
WASH Pasco	100.1	KQFO	PR>8.4kw/362m
WASH Pasco	100.1	KQFO	PG>8.4kw/362m
WASH Redmond	98.5	K253CG	PG>250w, 47-32-40/122-06-28



WASH Seattle	103.3	K277AE	XG 47-36-21/122-19-46
WASH Seattle	98.5	KZIR-LP	CX ROA
WASH Spokane	106.1	K291CO	QG from K244DY-96.7, 155w, 47-36-59/117-21-55; CL from Twisp; relays KTTO 970
WEST Birch River	98.1	W251AY	PG<175w
WEST Fayetteville	107.7	W299CF	PR<49w, 37-55-40/80-58-12
WEST Hinton	98.3	W252DH	PG>250w; PC
WEST Kingwood	107.7	WFSP-FM	PC>1.85kw/183m, 39-27-26/79-36-11
WEST Ripley	106.7	W294AF	XG 38-53-35/81-46-51
WEST Sutton	96.5	W243CA	PG>250w
WEST Wheeling	103.9	W280EW	NW 250w, 40-03-41/80-45-08; relays WBBB 1400
WISC Eau Claire	106.3	W292EG	PG>130w
WISC Franklin	107.3	W297BY	QG from W270CT-101.9, 250w, 42-51-20/87-50-41; CL from Black River Falls; relays WZTI 1290
WISC Hartford	92.9	W225CP	QG from W259AO-99.7, 200w, 43-09-04/88-07-25; CL from Saukville; relays WTKM 1540
WISC Milwaukee	96.1	W241CI	QG from W293CB-106.5, 99w, 43-02-21/87-55-09; CL from Williamsville, Ill.; relays WGLB 1560
WISC Oshkosh	98.3	W252DR	QG from W254CS-98.7, 250w
WISC Stevens Point	99.1	W256CZ	PG>250w; PC
WISC Wausau	101.3	W267BB	PG>250w, 44-55-14/89-41-28
WYOM Bondurant	99.1	K256CI	FC; sold to KUWR
WYOM Casper	96.3	K273CV	QR from 102.5, 10w, 42-44-27/106-18-22; CL from Billings, Mont.; relays KLWC 89.1
WYOM Jackson	95.9	K240EK	FC; sold to KUWR
WYOM Jackson	97.3	K247BC	FC; sold to KUWR
WYOM Wheatland	107.5	K298AY	FC; sold to KUWR



## UPCOMING METEOR SHOWERS

DATA FROM THE  
AMERICAN METEOR SOCIETY  
[amsmeteors.org](http://amsmeteors.org)



Shower	Activity Period	Maximum		Radiant		Velocity km/s	r	Max. ZHR	Time	Moon
		Date	S. L.	R.A.	Dec.					
Southern delta Aquariids (SDA)	Jul 21-Aug 23	Jul 30	126.9°	22:42	-16.4°	41.0	3.2	16	0300	07
Perseids (PER)	Jul 13-Aug 26	Aug 12	140.0°	03:12	+57.6°	60.5	2.2	100	0400	19
Orionids (ORI)	Aug 25-Nov 19	Oct 22	208.9°	06:24	+15.5°	67.1	2.5	15	0500	03

# PHOTO NEWS



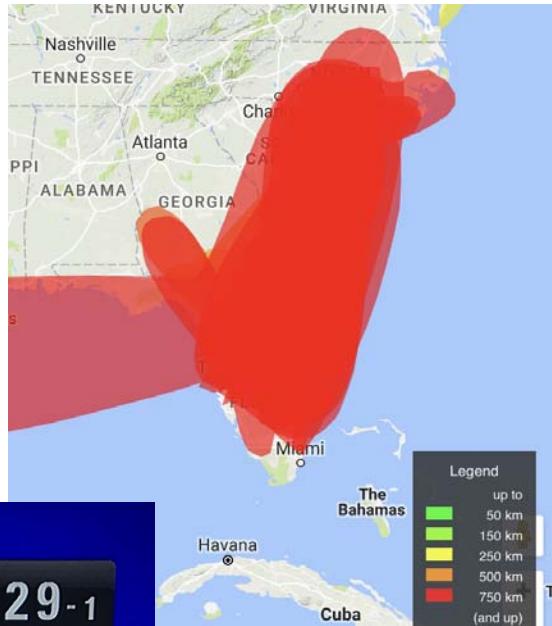
Jeff Kruszka  
 1909 Lost Lake Pl.  
 Pearland, TX 77581  
[jkruzka@sbcglobal.net](mailto:jkruzka@sbcglobal.net)

June 2017

If you didn't catch it in the forums, here's highlights from Andrew Knafel's DXpedition to Myrtle Beach, SC April 26-28th:



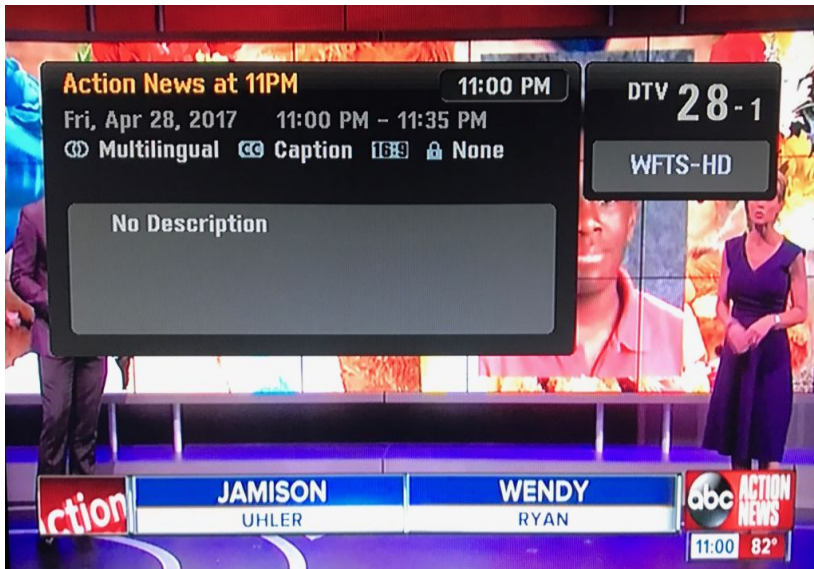
The setup: 4-bay on 11<sup>th</sup> floor + direct water path ...



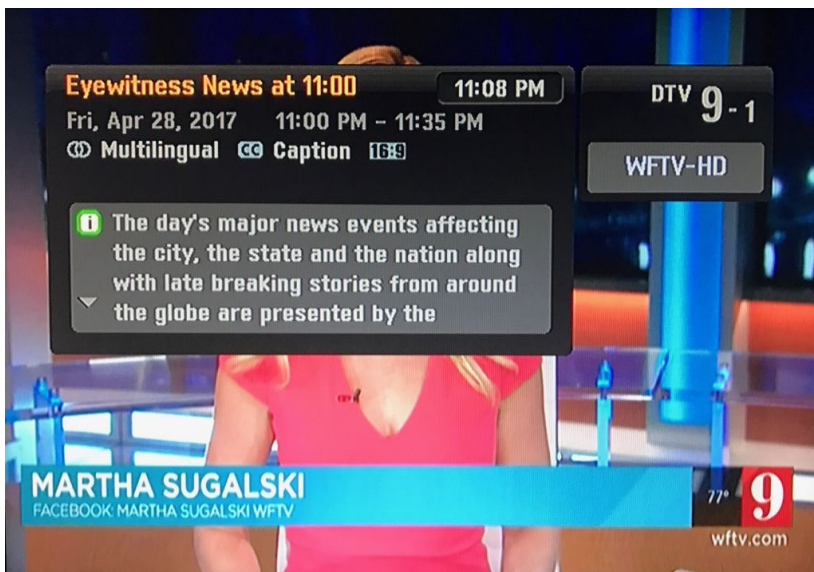
+ Red blob...



= Super DX!  
 WFLX-28  
 W. Palm Beach, FL  
 495 mi Tr



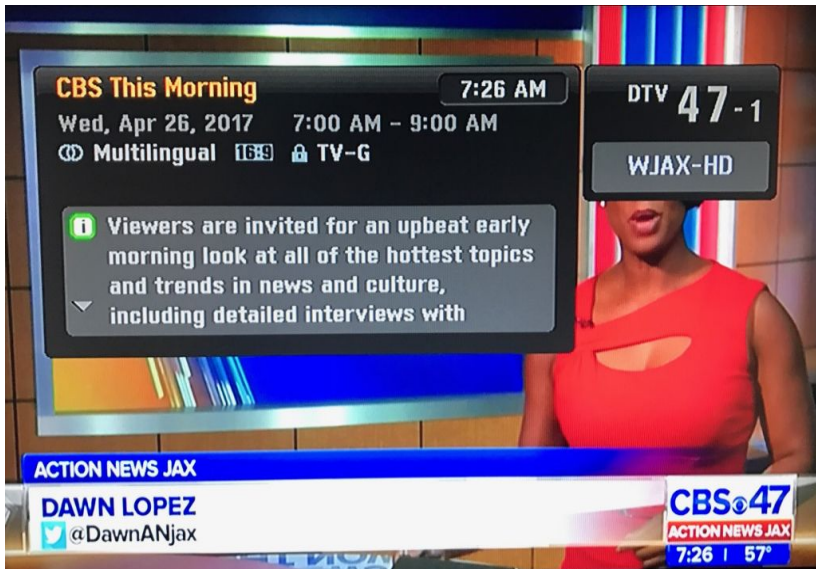
WFTS-29 Tampa, FL  
448 mi Tr



WFTV-LD-20  
Daytona Beach, FL  
355 mi Tr



WFXG-31 Augusta, GA  
170 mi Tr



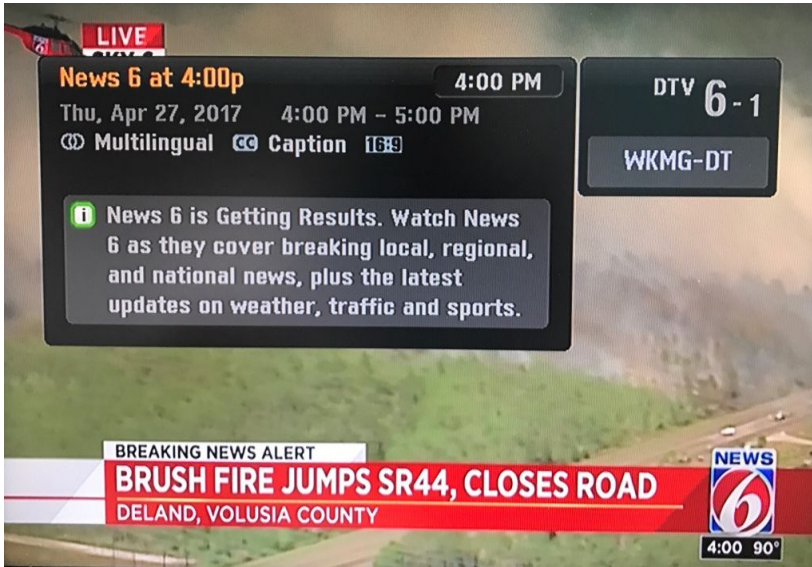
WJAX-19 Jacksonville, FL  
280 mi Tr



WJXT-42 Jacksonville, FL  
280 mi Tr



WKCF-17 Clermont, FL  
373 mi Tr



WKMG-26 Orlando, FL  
371 mi Tr



WLRN-20 Miami, FL  
535 mi Tr



WOFL-22 Orlando, FL  
372 mi Tr



Hey Jeff, the WBBH employee who edits your VUD thinks you missed one! 502 mi Tr

# SIGN UP & Renewal Form

YEARLY DUES \$10.00 USD for Monthly VUD E-ZINE

Print this form and send it with your dues.

Name \_\_\_\_\_

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

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

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Sign me up/renew me for: 1 year ( ) 2 years ( ) More ( ) \_\_\_\_\_

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- VUDs from 70s thru 2000
- Memorabilia

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- Get help with unIDs

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