

# VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

AUGUST 2009

The Magazine for TV and FM DXers



WEB • WVASFM.ORG  
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Dear Mr. Logan,

Greetings from the United States! I am still quite amazed at the prospect of my voice traveling over 4-thousand miles across the Atlantic to be heard in Northern Ireland. The thought is truly incredible. I've been in broadcasting for some 20 years and never heard of such a feat.

It is my pleasure to confirm to you that yes, that is my voice on the CD you sent. Those are the contents of my 4pm newscast that this station aired on June 26, 2009.

I, too, have loved radio most of my life. I remember many a night curled up in bed with my AM radio trying to see what stations I could pick up. To be a part of something like this, while pure chance on my part, is nonetheless very exciting.

I have to admit my knowledge of the technical side of radio is woefully small. However I find your enthusiasm very appealing and appreciate your efforts. Thank you for going to the trouble of informing us of this remarkable event! Who knows? Maybe you'll hear me bringing you the news from Alabama again some time.

If you're ever in the states, please feel free to drop in at our studios.

Sincerely,

A handwritten signature in blue ink that reads "Marcus Hyles".

Marcus Hyles  
Senior News Correspondent  
WVAS FM

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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, GREG CONIGLIO, BRUCE HALL, KEITH MCGINNIS AND MIKE BUGAJ.



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**AUGUST 2009**



Finally! For those of you online with an email address, we now offer a quick, convenient and secure way to join or renew your membership in the WTFDA from our page at:

<http://www.wtfda.org/join.html>

You can now renew either paper VUD membership or your online eVUD membership at one convenient stop. Use the link above to either join the WTFDA or renew your membership in North America's only TV and DX organization.

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Northern FM DX and Photo News will return next month.

There's lots of good reading in this issue, so dig into it!

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# The Mailbox

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## LIFE WITHOUT ANALOGS

Life after analog TV is not necessarily life without analog television. That fact became very obvious after July 12<sup>th</sup>.

Analog TV is gone and that's for sure. But DXing analog television after the analog stations went dark was (and is) much fun for a good number of DXers in northeastern North America.

Imagine having channels 2-6 empty everywhere! But there's no need to dream because the dream is reality. Just aim your antenna and pick up the Dominican Republic, Venezuela, Colombia, Nicaragua, Panama, Mexico and more. Aim your antennas in the same direction as the six meter opening is heading and wait for something good to happen. And it probably will.

All of the countries mentioned above were seen by WTFDAers either in the Midwestern USA, the northeastern USA or the Provinces of Quebec and/or Ontario. DXers in these areas also saw sporadic E from Newfoundland and Baja California Norte.

And since this is my column, I'll just mention my double hop reception of XHBC ch2, "Tu Canal", in Mexicali, BCN on July 7<sup>th</sup> around 7pm. I have a video of some of this reception over on YouTube. If you're interested, just search YouTube for videos by Grump46 and watch it as I, the grumpy one, recorded it on my trusty HP digital camera.

## MEMBERS AND MORE

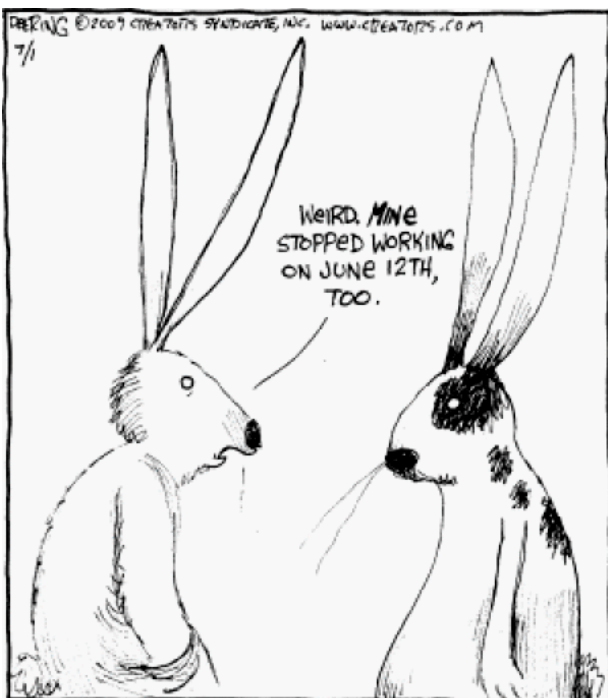
We have a boatload of renewals this time around so let's get to them. All of these arrived during the period of June 23<sup>rd</sup> to July 15<sup>th</sup>. Renewals were received from **Mike Deroo** (KS), **Randy Zerr** (FL), **Steve Walko** (PA), **Mike Lazaro** (NY), **Keith McGinnis** (MA), **Bob Rush** (MA), **John Johnson** (MT), **Greg Coniglio** (NY), **Ronald Purdue** (MN), **Claudio Leite** (DC), **James Montgomery** (IN), **Richard Gray** (LA), **Randy Miltier** (OR), **Benjamin Greenlaw** (ME), **Alan Michalek** (MA), **Ralph Strobel** (IN), **Doug Smith** (TN), **Jeff Kruszka** (TX), **Tim Cronin** (IL), **Garret Wollman** (MA), **John Zondlo** (OK), **Robert Williams** (ID) and **Frank Aden** (ID). I was wondering if a couple of you fellas were going to jump ship, but you came through for another year! Thank you!

**Andy Bolin** writes "I found your latest Mailbox to be very interesting (I'm glad somebody did -mike), so I thought I would pass this along. Imagine this. I hear double hop to Newfoundland's CHOZ at 1890 miles back in 1982 and on 6-29-09 I hear it again and it counts again because in 1982 it was on 93.9 and now it's on 94.7! I have verification from Mr. Doug Neil at CHOZ and the reception is posted at <http://www.dx.bobandtanya.com>. Here's hoping there's plenty of TV DX reports from Newfoundland."

A few of you (well...maybe one or two of you, or perhaps just one) have been wondering what ex-Western TVDX editor **Dave Williams** has been up to since he gave up the column and left the tvfmdx list. Dave was "supposed" to be spending quality time with his wife and kids, but I think DX got in the way. Dave writes "Just thought I'd mention that I finally caught some DTV skip today (7/13)...KBSD 6 Ensign KS, KHAS 6 Hayes Center NE (also DT 6.2 KTVG), KHGI 5 Kearny, NE and KSNB 4 Superior, NE. All four decoded and at one time I had the 3 NE stations in and decoded at the same time. Not bad for someone who had never received a single DT to date via Es!

Also a number of HD FM stations in today from CO, OK and KS. Over 70 stations total from AZ to MB. Fun stuff.

So yeah, I'm still out here. I am down to one tuner (Sony XDR-F1HD and one TV (insignia), but DX lives in Central Oregon."



## OVER 4,000 HEARD

This news comes from **Ralph Strobel** of Muncie, IN regarding FM DXer **Andy Bolin**: WTFDA member Andy Bolin, Charleston, IL has been the first to log more than 4000 FM stations throughout North America. Andy began DXing the FM band in 1970 from his home in Charleston. On July 2 of this year, Andy's reception of KDLW 97.7 Belen, NM was station #4000. Another of Andy's accomplishments this summer is that he verified his reception of Newfoundland by double hop E-skip. I have seen his e-mail verification from the OZ Network. I have known Andy since the mid 1970's and he is very strict in the manner he counts stations. Andy only counts stations when call letters and/or city of license are given and distant stations are always tape recorded. So, congratulations to Andy for his devotion and determination in this achievement.

## DXING DOUBLE HOP

Submitted by Curtis Sadowski and posted by Todd Emslie on the ICDX email list recently:

Let's assume someone in Louisiana is especially interested in receiving TVes Caracas, Venezuela 55.25 chA2 via 2Es @ 2,300 miles. The first step is to pull out the entire 20-88 MHz database and located transmitters near Venezuela. In addition, transmitters (Cuba, Jamaica, Cayman Islands) arriving on the first hop should also be extracted from the database. Then enter the lowest frequencies in order up to the highest A channels used in Venezuela. This list will compile any HF, low VHF, or chA2-6 video carriers located on near the first and second hops. High powered Venezuela area FM channels towards the low end of the 88-108 MHz FM band are also included in the list. The final important step is to accurately measure the carrier frequency for TVes chA2 Caracas, Venezuela. Also note any noteworthy signature associated with the carrier (unstable, warble, raspy audio). Print out this list and program all indicators between 20-88 MHz into memory on a quality Icom or AOR VHF/UHF communication receiver featuring AM/FM/USB/CW (the cheaper AM/FM only types are not suitable). Use a decent yagi (e.g. 5 elements over chA2-6) and some sort of separate longwire or dipole for HF. All communications receivers feature separate RF inputs for HF and VHF. Initially monitor the lower HF memory channels because they are more sensitive to Es. Keep checking the memory channels (click, click) - there is no way to get around this. Eventually it will be apparent that some of the published transmitters are not received (possibly because they are QRT, too low power, or wrong path distance). Coincident indicators from high probability Es targets "DX

pests" will also eventually be ignored. Adelaide (720 miles) is one example from my QTH.

Besides actively checking memory channels it is necessary to monitor some of the online 6 metre reflectors:

DX	Sherlock	-
<a href="http://www.vhfdx.net/spots/map.php">http://www.vhfdx.net/spots/map.php</a>		
50 MHz	Prop	Logger
<a href="http://dxworld.com/50prop.html">http://dxworld.com/50prop.html</a>		
DX	Summit	-
<a href="http://www.dxsummit.fi/DxSpots.aspx">http://www.dxsummit.fi/DxSpots.aspx</a>		

WTFDA members are doing it tough by trying to view 2Es DX TV without a scanner and/or modified TVs. I went for years without receiving 2Es FM and TV before I bought the AOR AR-3000 and Icom R7000. Once the R7000 was used, the bands came alive. With 2Es DX TV and FM, the signals are weaker by some 10-20 dB compared to single-hop Es. Not only are 2Es signals weaker but they are also received for shorter periods. This is where a scanner alerts a DXer to the "tails" before and after visual DX TV reception. Visualise a bell curve modeling DX signal strength as a function of time. With a garden variety wideband TV and no scanner, you will at best only detect the very top of the bell curve (median) when the signal reaches its peak over a very short period. Even then, the picture will probably be limited to sync bars most of the time. Contrast this with accurate frequency measurement and a narrowband TV tuner; the detection period will cover a much larger area of the bell curve. You will detect the signal rising out of the noise, so you are better prepared in advance for the median part of the curve where signal strength is sufficiently high to support visual reception. You will also track the signal for longer periods on the declining phase (the right side of the bell curve).

The above techniques are also directly applicable to multi-Es FM reception. Unfortunate for some they have no choice but monitor ham radio, utility, and TV carriers in order to hear exotic FM DX. In order to detect extremely transient events over space and time, the search needs to be assisted. HF and low VHF indicators supplement the search. Sometimes there search is still very low level because of a lack of indicators to that particular area. We can only make the best use of what is available.

One example of a transient event is when I received 15 seconds of KSBS 92.1 MHz American Samoa FM on a 2Es path. Detecting a 15 second event over a 20 MHz frequency range within a 2 month period is very difficult even when the search is supplemented by other indicators.

And with that we close out the mailbox for this month and head out the door to El Sombrero for a Chili Relleno. See you in Sept.



# TV News

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August 2009

**Abbreviations:**

AF	Applied For (a new station)	NW	New station on the air
Aux	Auxiliary (backup) transmitter	PA	Proposed Amendment
CC	Callsign change	PC	Power (and/or tower height) change on the air
CL	City-of-license change	PG	Power change granted
DC	Converted to DTV	PR	Power change requested
DCC	Digital Companion Channel	RA	Returns to the air
NS DCC	Granted flash-cut to DTV	QC	Channel (frequency) change on the air
DE	License/permit deleted	QG	Channel change granted
DR	Requests flash-cut to DTV	QR	Channel change requested
FC	Programming (format) change	RE	Reinstated (previously-dismissed app.)
FTP	Failure to Prosecute	ROA	Request of Applicant
GA	Granted amendment (to table of channel allotments)	SI	Off the air (silent)
LC	License to Cover	STA	Special Temporary Authority
MX	Mutually Exclusive	XC	Transmitter site changed
NDA	Non-directional antenna	XG	Transmitter site change granted
NS	Permit granted for new station	XR	Transmitter site change requested

**News:**

(full-power digital stations in **bold face**; LPTV and translators in regular type; full-power analog stations in **bold italics**; low-power analog stations in regular italics)

\* indicates this DTV facility replaces an analog facility on the same channel.



**Northern Mariana Islands (Saipan)**

Garapan 7 KPPI-LD DR 200w



**Puerto Rico**

Aguadilla 12 WOLE-DT NW 47kw/  
661m, 18-09-00/  
66-59-00

Caguas 11 WLII-DT \*QC from 56,  
38kw/355m

Ponce 7 WSTE-DT QC from ch. 8. DTS  
xmtrs:

Arecibo  
100w/65m, 18-27-21/  
66-45-16;

Mayaguez  
6kw/370m, 18-19-25/  
67-10-27;

San Juan  
25kw/336m, 18-16-29/  
66-06-49;

San Juan 24 W10CZ-D Ponce  
25kw/88m, 18-02-52/  
66-39-16  
DR from ch. 10, 1kw,  
18-21-32/  
66-11-25  
San Juan 43 WIPR-DT NW 791kw/  
776m



**U.S. Virgin Islands**

Charlotte 17 WVXF-DT \*NW 4.2kw/  
454m

Amalie Charlotte Amalie 22 WMNS-LD DG 5kw

Christiansted 23 WCVI-DT NW 659w/  
124m, 17-44-53/  
64-43-40



**USA**

Alabama Andalusia 40 WAAO-LD DG 15kw

Dothan 36 WTVY-DT PG 1000kw/  
564m

Jasper 16 W16CM-D NW 15kw, 33-50-42/  
87-18-26

Mobile 15 WPMI-DT \*QC from 47,  
1000kw/563m

Montgomery 12 WSFA-DT \*QC from 14,

<b>Opelika</b>	<b>47</b>	<b>WLGA-DT</b>	<b>31.6kw/598m NW 302kw/ 323m, 32-19-25/ 84-46-46</b>
<b>Selma</b>	<b>29</b>	<b>WBIH-DT</b>	<b>*NW 1000kw</b>
<b>Alaska</b>			
Anchorage	3	KABA-LP	CC from KOAN-
<b>Anchorage</b>	<b>10</b>	<b>KTUU-DT</b>	<b>PC&gt;50kw</b>
<b>Arizona</b>			
<b>Flagstaff</b>	<b>13</b>	<b>KFPH-DT</b>	<b>PR&lt;33kw/ 476m, 34-58-06/ 111-30-34</b>
Flagstaff/ Doney Park	27	KTVW-CD	DR from ch. 6, 7.2kw, 34-58-06/ 111-30-34
Globe	16	K16FB-D	DR 7.5kw
Globe	29	KDOS-LD	DR 15kw
<b>Green Valley</b>	<b>46</b>	<b>KUVE-DT</b>	<b>*QC from 47, 70.8kw</b>
<b>Mesa</b>	<b>12</b>	<b>KPNX-DT</b>	<b>*QC from 36, 39kw/555m</b>
Oro Valley/ Tucson	16	K16EO-D	DR
<b>Phoenix</b>	<b>10</b>	<b>KSAZ-DT</b>	<b>*DC from 31, 20kw/558m</b>
<b>Phoenix</b>	<b>15</b>	<b>KNXV-DT</b>	<b>QC from 56, 458kw/521m</b>
<b>Phoenix</b>	<b>33</b>	<b>KTVW-DT</b>	<b>*QC from 34, 470kw/510m</b>
Phoenix	35	KFPH-CD	DR 15kw
<b>Phoenix</b>	<b>39</b>	<b>KTAZ</b>	<b>NS 550kw; NW</b>
Prescott	6	K06AE-D	DG 300w, 34-42-04/ 112-07-04
Prescott	45	KPVY-LD	PR>5.49kw, 33-35-47/ 112-05-31
Safford	16,	KZOL-LD,	DR from 15/21, 15kw
	34	K21GC-D	
<b>Tolleeson</b>	<b>51</b>	<b>KPPX-DT</b>	<b>*QC from 52, 210kw/533m</b>
Tucson	36	K48GX-D	DR from ch. 48, 6.7kw, 32-24-54/ 110-42-56
<b>Tucson</b>	<b>40</b>	<b>KHRR-DT</b>	<b>*QC from 42, 396kw/621m</b>
Tucson	42	KUVE-CD	DR from ch. 38, 10kw, 32-14-56/ 111-06-59
Tucson	42	KWTA-LD	DR from ch. 51, 15kw
<b>Yuma</b>	<b>13</b>	<b>KSWT-DT</b>	<b>*NW 20kw/ 480m</b>
Yuma	16	KESE-LD	QR from ch. 40, 15kw, 32-40-21/ 114-20-07
<b>Arkansas</b>			
Bentonville	48	K45EI	QR from ch. 45, 29.4kw
<b>Jonesboro</b>	<b>8</b>	<b>KAIT-DT</b>	<b>*QC from 9, 21.7kw; PG&gt;28.2kw</b>
<b>California</b>			
Banning	10	KRPE-LD	DR from ch. 6, 300w, 34-12-48/ 118-03-41
<b>Barstow</b>	<b>44</b>	<b>KHIZ-x</b>	<b>XR 34-28-30/ 117-18-30 for Victorville transmitter</b>
Caliente	41	KDBK-LD	DG 15kw
Cathedral City	31	KRET-CD	DR from ch. 45, 15kw

Cherry Valley	8	KILA-LD	DR from ch. 51, 30w, 33-57-42/ 117-16-47
<i>Chico</i>	<i>6</i>	<i>KEFM-LP</i>	<i>PR&gt;3kw, 39-12-20/ 121-49-10</i>
Chico	42	KMSX-LD	PR>15kw
<b>Corona</b>	<b>39</b>	<b>KVEA-DT</b>	<b>PG&gt;1000kw/ 911m, 34-12-48/ 118-03-41</b>
El Centro	43	KDOV-LD	DR 15kw
El Centro- Holtville	16	KHFS-LD	DR from ch. 56, 15kw
<b>Eureka</b>	<b>3</b>	<b>KIEM-DT</b>	<b>NW 12.5kw/ 485m</b>
Eureka	19	K68GT-D	DR from ch. 68, 1.2kw, 40-44-32/ 124-12-00
<i>Ford City</i>	<i>53</i>	<i>KSSY-LP</i>	<i>QR from ch. 20, 9.99kw, 34-49-45/ 119-12-10</i>
Freshwater	45	K45DS-D	DG 124w, 40-48-10/ 124-08-16
Fresno	9	K56DZ-D	DR from ch. 56, 3kw dismissed
Fresno	13	K15ET-D	DR from ch. 15, 300w
Fresno	27,	KJKZ-LD,	DG 15kw
	39	KMSG-LD	
Glen Arbor	5	KBKF-LD	DR from ch. 6, 300w, 37-24-39/ 122-18-20
Hoopa Valley	8	K09MS-D	DR 300w, 41-06-59/ 123-42-34 from ch. 9
<i>Los Angeles</i>	<i>5</i>	<i>KHTV-LP</i>	<i>QR from ch. 48 (STA ch. 67), 500w, 34-13- 35/ 118-03-58</i>
<i>Los Angeles</i>	<i>6</i>	<i>KSFV-CA</i>	<i>PR&gt;3kw</i>
<b>Los Angeles</b>	<b>11</b>	<b>KTTV-DT</b>	<b>*QC from 65, 15kw/917m</b>
<i>Los Angeles</i>	<i>12</i>	<i>KNLA-LP</i>	<i>QR from ch. 27, 250w, 34-12-48/ 118-03-41</i>
<b>Los Angeles</b>	<b>13</b>	<b>KCOP-DT</b>	<b>*QC from 66, 13.5kw/905m</b>
Los Angeles	22	KFLA-LD	DR from ch. 8, 15kw, 34-13-32/ 118-03-52
Los Angeles	22	KNET-CD	PR>15kw, amendment from 300 watts
<b>Merced</b>	<b>11</b>	<b>KNSO</b>	<b>PG 45kw/ 622m, 37-04-19/ 119-25-49</b>
Monterey	18	KMCE-LD	DR from ch. 43, 15kw, supercedes application for ch. 46
Monterey	29	K29AB-D	PG>5.3kw
Monterey	46	KMCE-LD	DR from ch. 43, 15kw, superceded by application for ch. 18
National City	25	K09YL-D	DR from ch. 9, 15kw, 32-41-47/ 116-56-09
<b>Oakland</b>	<b>44</b>	<b>KTVU-DT</b>	<b>PR&gt;1000kw</b>
Oroville	42	K42HL-D	DR 2.9kw
Palm Springs	40	K40ID-D	DG 10kw
Porterville	51	KVVG-LD	DR 15kw
<b>Redding</b>	<b>7</b>	<b>KRCR-DT</b>	<b>*QC from 34, 14.5kw/1103m</b>
Redding	40	K40HE-D	DG 15kw, 40-20-41/ 121-56-48
Redlands	66	KLAU-LD	DG 500w
Ridgecrest	15,	K15HJ-D,	NW 1kw, 35-28-48/

	17, K17HY-D, 21, K21IN-D, 23 K23IS-D	117-40-56 (KCBS-DT, KNBC-DT, KTLA-DT, KABC-DT)
<b>Sacramento</b>	<b>10 KXTV-DT</b>	<b>*QC from 61, 34.5kw/612m</b>
Sacramento	49 KSAO-LD	DR 10.3kw, amendment from 15kw
<b>Salinas</b>	<b>8 KSBW-DT</b>	<b>*QC from 10, 20.6kw/760m</b>
Salinas	38 K38JP-D	DR 15kw
<b>San Diego</b>	<b>8 KFMB-TV</b>	<b>PR&gt;19.9kw</b>
San Diego	25 K63EN-D	DR from ch. 63, 15kw, 32-41-47/ 116-56-07
<b>San Francisco</b>	<b>7 KGO-DT</b>	<b>PR 23.8kw/ 519m; PG; NS 72kw/286m (aux)</b>
San Francisco	22 KDTS-LD	QR from ch. 8, 15kw, 37-52-54/ 121-55-05
San Francisco	28 KFTL-CD	DG 15kw
<b>San Jose</b>	<b>36 KICU-DT</b>	<b>PR&gt;740kw/ 684m, amendment from 1000kw/686m; QC from 52, 550kw</b>
<i>Santa Clara - San Jose</i>	48 KAXT-CA	<i>QR from ch. 22, 75kw, 37-29-57/ 121-52-16; promptly amended from ch. 42</i>
Santa Maria	35 K35ER-D	DG 690w
Santa Maria	41 NEW-LD	AF DCC 190w for K35ER dismissed
Santa Rosa	28 KDTV-CD	DR 3.7kw
<b>Stockton</b>	<b>26 KTFK-DT</b>	<b>QC from 62, 430kw/595m, 38-14- 24/ 121-30-03</b>
Susanville	29 KREN-LD	DG 15kw
Van Nuys	22 KWJD-LD	DR from ch. 25, 500w
Visalia	47 KMCF-LD	DR from ch. 35, 15kw, 36-44-45/ 119-16-57
<b>Watsonville</b>	<b>25 KQET-DT</b>	<b>*QC from 58, 81.1kw</b>
<b>Colorado</b>		
Ashcroft	16, K16FS-D, 19 K19FH-D	DR 45w; DG
Aspen	4, 6, K04HH-, 8 K06HU-D, K08HN-D	DR 6w; DG
Aspen	12 K02HI-D	DR from ch. 2, 6w
Aspen	20 KSZG-LD	DR 380w
Aspen	21 K21HF-D	DR 45w
<b>Broomfield</b>	<b>13 KBDI-DT</b>	<b>NW 33.6kw/ 738m</b>
Canon City	28 K28KC-D	NW 94w, 38-25-20/ 105-09-05
Colorado Springs	31 K32EO-D	DR from ch. 32, 15kw
<b>Colorado Springs</b>	<b>49 KKTV</b>	<b>PA from 10, 550kw/725m</b>
Colorado Springs	51 KWHS-LD	DR 15kw, 38-44-42/ 104-51-38
<b>Denver</b>	<b>9 KUSA-TV</b>	<b>NS 44.5kw/ 256m aux</b>
Denver	10 K58IY-D	QR from ch. 58, 300w
Denver	12 K56JK-D	QR from ch. 56, 55w
Denver	14 K57BT-D	PR>15kw
Denver	16 KHDT-LD	PR>15kw
Denver	26 K61AA-D	DR from ch. 61, 15kw
Denver	28 KLPD-LD	DG 15kw, 39-43-46/

		105-14-08
Denver	31 KLPT-LD	PR>15kw
Denver	39 KQDK-CD	DR 500w, 39-35-59/ 105-12-35
Denver	44 K48FW-D	QR from ch. 48, 1kw, 39-44-37/ 104-59-18
Denver	50 KDEO-LD	PR>15kw
Durango	16 K16GZ-D	PR>750w, 37-15-45/ 107-53-53
<i>Durango</i>	<i>38 K38JD</i>	<i>PR&gt;1.25kw, 37-15-45/ 107-53-53</i>
Estes Park	39 K39JT-D	DR 1.5kw, 39-53-37/ 105-25-07
Fort Collins	25 KPXH-LD	QR from ch. 13, 15kw
Glenwood Springs	39 KHGS-LD	DG 750w
Grand Junction	38 K38JX-D	NW 5.3kw, 38-52-39/ 108-13-36
Hoehne	17, K17IG-D, 19 K19HC-D	PR>1.4kw, 37-08-45/ 104-28-09
Montrose	28 K28AD-D	DG 12.5kw
Redstone	19 K19HG-D	PG<12w, 39-14-20/ 107-13-02; CL from Carbondale
Salida	20 K20JG-D	NW 250w, 38-26-44/ 106-00-35
Windsor	36 KZFC-LD	PR>2.46kw
Woody Creek	44 K44GQ-D	DG 45w
Woody Creek	50 K50IN-D	DG 45w; CL from Aspen
<b>Connecticut</b>		
<b>Bridgeport</b>	<b>49 WEDW-DT</b>	<b>*QC from 52, 91kw/222m</b>
Hartford	7 WHCT-LD	DR from ch. 38, 300w
<b>Hartford</b>	<b>45 WEDH-DT</b>	<b>NW 490kw/ 505m</b>
Hartford	48 WRNT-LD	PG>8kw
<b>New Haven</b>	<b>41 WEDY</b>	<b>PA from ch. 6, 200kw/88m</b>
<b>Norwich</b>	<b>9 WEDN-DT</b>	<b>QC from 45, 4.2kw/192m</b>
<b>District of Columbia</b>		
<b>Washington</b>	<b>9 WUSA-DT</b>	<b>*QC from 34, 12.6kw/235m</b>
Washington	14, WWTD-, 32 WRZB-LD	PR>15kw
Washington	44 WIAV-LD	PR>12kw, 38-56-24/ 77-04-54
<b>Florida</b>		
Brownsville	39 W57DU-D	DR from ch. 57, 10kw, 25-59-34/ 80-10-27
<b>Fort Lauderdale</b>	<b>30 WSCV-DT</b>	<b>QC from 52, 1000kw/304m</b>
<b>Fort Walton Beach</b>	<b>49 WAWD-DT</b>	<b>PG 32kw/61m, 30-27- 14/ 86-51-59</b>
<i>Gainesville</i>	<i>23 W23DG</i>	<i>NW 1.5kw, 29-28-23/ 82-35-21</i>
<i>Hallandale</i>	<i>51 W58BU</i>	<i>QR from ch. 58, 66kw</i>
Homestead	17 W64AN-D	DR from ch. 64, 25-59- 09/ 80-11-37, superceded by ch. 26
Homestead	26 W64AN-D	DR from ch. 64, 25-59-

		09/ 80-11-37, superceding ch. 17
<b>Jacksonville</b>	<b>7 WJCT-DT</b>	<b>*QC from 38, 18kw/302m</b>
<b>Jacksonville</b>	<b>13 WTLV-DT</b>	<b>PC&gt;53.3kw/ 291m</b>
Jacksonville	15/1 WVVQ-/ 8 LD	CC from WJXE-LP/LD
Jacksonville	18 WJXE-LD	NW 15kw
<b>Key West</b>	<b>8 WGEN-DT</b>	<b>QC from 12, 7kw/56m, 24-33-18/ 81-48-05</b>
Key West	12 W12DI-D	PR>300w
Lealman	22 W43CE-D	DR from ch. 43, 15kw
Marathon	11 WDFL-D	DR 225w, 24-51-20/ 80-43-52, to modify permit for 300w at different site
Matecumbe	43 W43CB-D	PR>15kw
Melbourne	20 WSCF-LD	DR from ch. 31, 15kw
<b>Melbourne</b>	<b>43 WOTF-DT</b>	<b>*NW 1000kw/ 492m</b>
<i>Miami</i>	<i>6 WEYS-LP</i>	<i>PR&gt;3kw, 25-58-15/ 80-12-32</i>
<b>Miami</b>	<b>7 WSVN-DT</b>	<b>PR&gt;158kw/ 307m; PG; QC 31kw/293m</b>
<b>Miami</b>	<b>10 WPLG-DT</b>	<b>*QC from 9, 156kw/309m</b>
<b>Miami</b>	<b>23 WLTV-DT</b>	<b>*QC from 24, 535kw/297m; PR&gt;1000kw</b>
Miami	24 W24DE-D	PR>15kw
Miami	25 WIMP-CD	DR 15kw
Miami	29 WEYS-LD	DR from ch. 56, 1kw
Miami	29 WJAN-LD	DR from ch. 9, 15kw
Miami	39 WPMF-LD	AF DCC 15kw, 25-46- 19/ 80-11-31 for ch. 38 station reinstated
Miami	45 WGEN-LD	PR>15kw
<b>Orange Park</b>	<b>10 WJXX-DT</b>	<b>PC&gt;29.5kw/ 291m</b>
Orient City	50 W15CM-D	QR from ch. 15, 15kw
<b>Orlando</b>	<b>26 WKMG-DT</b>	<b>QC from 58, 359kw/491m</b>
<i>Panama City</i>	<i>6 WHDY-LP</i>	<i>CC from W06CQ</i>
<b>St. Petersburg</b>	<b>10 WTSP-DT</b>	<b>*QC from 24, 37kw/457m</b>
<b>St. Petersburg</b>	<b>44 WTOG-DT</b>	<b>QC from 59, 550kw/454m, 27-49- 46/ 82-15-59</b>
Tampa	18 WSVT-CD	DG 15kw, 27-49-10/ 82-15-39; CL from Bradenton
Tampa	28 WTAM-LD	QR from ch. 27, 15kw
Tampa - St. Petersburg	20 WARP-CD	DR 15kw
West Gate	17 W16CC-D	DR from ch. 16, 15kw
<b>West Palm Beach</b>	<b>12 WPTV-DT</b>	<b>QC from 55, 50kw/386m</b>
<b>Georgia</b>		
<b>Albany</b>	<b>10 WALB-DT</b>	<b>*QC from 17, 22kw/297m</b>
Atlanta	22 WSKC-CD	PR>10kw, 33-58-38/ 84-09-23; amendment to change site

Atlanta	30 WTBS-LD	PG>15kw, 33-48-26/ 84-20-22
Atlanta	40 WIRE-CD	DR 15kw
<i>Blairsville</i>	<i>38 WBUD-LP</i>	<i>CC from W38DW</i>
Columbus	31 WWCG-LD	DR from ch. 11, 15kw
<b>Macon</b>	<b>13 WMAZ-DT</b>	<b>*QC from 4, 52.6kw/238m</b>
Rome	14 WSB-1	AF DRT 1kw, 34-14- 02/ 85-13-50 for WSB-TV
<b>Savannah</b>	<b>11 WTOG-DT</b>	<b>*QC from 15, 24.4kw/441m</b>
<b>Hawaii</b>		
<b>Honolulu</b>	<b>11 KHET</b>	<b>PR&gt;28.7kw</b>
<b>Idaho</b>		
<b>Boise</b>	<b>7 KTVB</b>	<b>PR&gt;63.2kw</b>
Boise	35 KYUU-LP	CC from KUNB-LP
Burley	14 K14IC-D	DR 384w
Cambridge	11 K11PB-D	DC 8w
Cascade	9 K09LO-D	DR 3w
Challis & Ellis	12 K12LS-D	DG 22w
Council	5 K05GO-D	DR 10w
Garden Valley	51 K51FL-D	DG 10w
Hagerman	41, K41JF-D, 47, K47JW-D, 49 K49IT-D	DG
Hailey	18 KSVX-LD	DR 750w
Irwin & Swan Valley	13 K13QH-D	DG 2w
Leadore	14 K14IJ-D	DG 3w
Lewiston	51 K51HY-D	DC
Mackay	15 K15HR-D	DG 30w
Rexburg	22 K22IK-D	NW 68w, 43-43-16/ 111-56-30
Rockland	19 K19CY-D	PC<4w
Salmon	49 K49IC-D	DR 430w
Soda Springs	45, K45GG-, 47, K47HF-D, 49 K49HU-D	DG 1kw
Soda Springs	47, NEW-LD 49	AF DCC 1.19kw K47HF/K49HU dismissed
St. Maries	23 K23HT-D	DR 282w
<b>Illinois</b>		
Arbury Hills	2 W25DW-D	QR from ch. 25, 300w
<b>Aurora</b>	<b>50 WXFT-DT</b>	<b>QC from 59, 230kw</b>
Chicago	44 WCHU-LD	PG>15kw
Chicago	49 WOCH-CD	PR<8kw
<b>Joliet</b>	<b>38 WGBO-DT</b>	<b>QC from 53, 600kw</b>
<b>Peoria</b>	<b>19 WHOI-DT</b>	<b>*QC from 40, 195kw/203m</b>
Quincy	46 KZSL-LD	DR from ch. 52, 15kw, 39-04-18/ 90-58-37
Rochelle	23 W63DG-D	DR from ch. 63, 15kw, 42-17-14/ 89-10-15
<b>Rock Island</b>	<b>4 WHBF-DT</b>	<b>*NW 24.1kw/ 409m</b>
<b>Indiana</b>		
<b>Elkhart</b>	<b>28 WSJV-DT</b>	<b>NS 150kw/ 224m (aux); NW 250kw/ 335m (main)</b>
Evansville	9 WISH-DT	PC>22.8kw
Fort Wayne	31 WANE-DT	NW 1000kw/



		232m
Indianapolis	25 WRTV-DT	PC>1000kw
Indianapolis	31 WKOG-LD	DR 15kw
Kokomo	50 WKGK-LD	DR 15kw
Martinsville	15 WREP-LD	DC 200w
Terre Haute	10 WTHI-DT	QC from 24, 27kw/293m
Terre Haute	39 WFXW-DT	NW 850kw/ 248m, 39-14-33/ 87-23-29
Vincennes	22 WVUT	QC from 52, 57kw/164m
Iowa		
Ames	5 WOI-DT	*NW 11.5kw/ 566m
Ames	23 KCWI-DT	*NW 246kw/ 610m
Davenport	14 WBQD-LD	QR from ch. 7, 15kw, 41-18-44/ 90-22-46
Davenport	36 KWQC-TV	QC from ch. 56
Des Moines	8 KCCI-DT	*QC from 31, 28.3kw/597m
Fort Madison	28 K28JD-D	DG 15kw
Keokuk	44 K44AB-D	DG 6.65kw
Sioux City	9 KCAU-DT	*NW 29.5kw/ 616m
Kansas		
Ensign	6 KBSD-DT	PG>31kw
Garden City	11 KSNG	PG>56.8kw; NW
Goodland	10 KBSL-DT	PG>89.6kw
Hays	7 KBSH-DT	PG>38.8kw
Hoisington	14 KOCW-DT	*NS 40kw
Lawrence	41 KMCI-DT	QC from 36, 1000kw/324m
Manhattan	32 K32HB	PR>1.8kw, 39-13-34/ 96-37-00 dismissed
Pittsburg	13 KFJX-DT	NW 4.5kw/ 336m
Pittsburg	49 KPJO-LP	PR<1.42kw
Topeka	13 WIBW-TV	PR>27kw; PG; QC from 44
Topeka	27 KSNT	PR>77.9kw
Kentucky		
East Bernstadt	9 WOBZ-LD	DR 300w
Jamestown	2 WESL-LP	CC from W02CO
Louisville	24 W24BW-CD	DR 15kw
Scottsville	31 WPBM-LD	DG 2kw
Louisiana		
Alexandria	31 KLAX-DT	NW 200kw/ 333m
Alexandria	41 KBCA-DT	*NW 1000kw/ 303m
Alexandria	47 K47DW-D	DR 15kw
Baton Rouge	9 WAFB-DT	*QC from 46, 5.57kw/511m, 30-21- 58/ 91-12-47
Lafayette	10 KLFY-DT	*QC from 56, 20.3kw/527m
Lake Charles	7 KPLC-DT	*QC from ch. 8
Monroe	13 KLTM-DT	*QC from 19, 17.2kw/544m, 32-11- 50/ 92-04-14
New Iberia	50 KLWB-DT	*NW 1000kw
Shreveport	24 KLTS-DT	*QC from 25, 350kw/326m

Maine		
Bangor	12 WABI-DT	PA from ch. 19 dismissed, Canadian objection
Bangor	13 WABI-DT	PA from 19, 12kw/402m. Will save station \$100,000/year in utility bills and \$15,000 for a less- expensive transmitter.
Poland Spring	8 WMTW-DT	QC from 46, 29.8kw/612m
Presque Isle	8 WAGM-DT	*QC from 16, 6.9kw/350m
Maryland		
Baltimore	11 WBAL-DT	*QC from 59, 5kw/299m
Baltimore	38 WMAR-DT	QC from 52, 1000kw/312m
Lake Shore	20 WOAW-LD	DR from ch. 69, 6.5kw, 39-00-36/ 76-36-33
Ocean City	16 WRAV-LD	QR from ch. 30, 15kw, 38-30-17/ 75-38-37
Salisbury	21 WBOC-DT	PC>740kw
Massachusetts		
Adams	38 W38DL-D	PR>3kw
Boston	7 WHDH-DT	*QC from 42, 29.7kw/306m
		<i>see text for more on this station</i>
Boston	24 WFXZ-CD	DR 10kw
Marlborough	27 WUTF-DT	*QC from 23, 1000kw/356m
Pittsfield	13 WNYA-DT	NW 12.7kw/ 301m, 42-38-13/ 73-59-45
Springfield	34 WESA-LD	PG>15kw
Springfield	40 WGGB-DT	QC from 55, 460kw/324m
Michigan		
Alpena	11 WBKB-DT	NW 20kw/ 202m
Alpena	24 WCML	QC from 57, 300kw
Alpena	26 WNYD-LP	CC from W26DF
Ann Arbor	50 WPXD-DT	PA from 31, 345kw/293m
Bay City	46 WBSF-DT	*NW 70kw/ 306m
Berrien Springs	10 WYGN-LD	NW 150w, DCC for ch. 12 analog facility
Detroit	7 WJBK-DT	PG>27.2kw
Detroit	45 WDIV-DT	PC 872kw/ 306m
Escanaba	5 WYHD-LP	CC from W05CR
Flint	26 WHNE-LD	PR>15kw
Grand Rapids	11 WGVU-TV	PR 41.5kw/ 260m; PG
Grand Rapids	13 WZZM-DT	QC from 39, 16.5kw/324m
Ishpeming	10 WBUP-DT	NW 4.8kw
Kalamazoo	8 WWMT-DT	QC from ch. 2, 25kw/257m
Lansing	27 W27CN-D	XG 42-43-25/ 84-32-51; XC
Marquette	19 WZMQ	PG>41.6kw; CC from WMQF

<b>Sault Ste. Marie</b>	<b>8</b>	<b>WGTO-DT</b>	<b>*NW 15kw/ 288m</b>
<i>St. Ignace</i>	<i>26</i>	<i>WHDA-LP</i>	<i>CC from W26DG</i>
<b>Traverse City</b>	<b>29</b>	<b>WGTU-DT</b>	<b>*QC from 31</b>
<b>Minnesota</b>			
<b>Alexandria</b>	<b>42</b>	<b>KSAX-DT</b>	<b>*NW 80kw/ 356m</b>
<b>Bemidji</b>	<b>9</b>	<b>KAWE-DT</b>	<b>PG&gt;27kw</b>
Big Falls	60,	K60BO-D,	DR 406w, 48-11-28/
	62,	K62BJ-D,	93-47-24
	64	W64AM-	
Bigfork	67,	K67CA-D,	DR 406w
	69	K69CR-D	
Birchdale	56,	K56BO-D,	DR 406w, 48-29-03/
	58,	W58AI-D,	94-00-27
	60	K60BT-D	
<b>Chisholm</b>	<b>11</b>	<b>KRII-DT</b>	<b>NW 63kw/ 200m, 47-51-39/ 92-56-46</b>
<b>Duluth</b>	<b>8</b>	<b>WDSE-DT</b>	<b>*QC from 38, 34kw/295m</b>
Duluth	38	WDSE-A	AF DRT 15kw, same site as ch. 8 facility
Frost	14,	K14KD-D,	DG 3kw
	23,	K23FY-D,	
	27,	K27FI-D,	
	31,	K31EF-D,	
	49,	K49JG-D,	
	51	K51KB-D	
Frost	40	K40JS-D	DG from K62FH, 3kw
International Falls	49,5	K49BU-D,	DR 442w
	1,	K51CM-	
	53	K53CQ-D	
Jackson	23,	K23FO-D,	DG 3.1kw
	45,	K45EH-D,	
	51	K51EN-D	
Jackson	35	K35IZ-D	DG from K57IX, 3.1kw
Jackson	41	K41EG-D	DG 2.1kw
Jackson	50	K50KL-D	DG from K61GE, 2.1kw
<b>Mankato</b>	<b>12</b>	<b>KEYC-DT</b>	<b>NW 15.2kw/ 317m</b>
Max	60,	K60BL-D,	DR 434w
	62	K62BH-D	
<b>Minneapolis</b>	<b>9</b>	<b>KMSP-DT</b>	<b>PG&gt;30kw; *QC from ch. 26</b>
<b>Minneapolis</b>	<b>11</b>	<b>KARE-DT</b>	<b>*QC from 35, 27.1kw/455m</b>
Minneapolis	28	KHVM-LD	XC 45-04-05/ 93-10-29; CL from Mankato
<b>Minneapolis</b>	<b>45</b>	<b>KSTC-DT</b>	<b>*QC from 44, 1000kw/428m</b>
Minneapolis	50	KTCJ-LD	PR>15kw
Northome	55,	K55BY-D,	DR 434w
	57	K57BK-D	
Olivia	14	K57AE-D	DR from ch. 57, 1kw dismissed. Going for ch. 20 instead
Olivia	20	K57AE-D	DR 1kw from ch. 57
St. James	14,	K14KE-D,	DG 1000w/ 500w/
	21,	K21DG-	2000w/
	26,	K26CS-D,	2000w/
	30,	K30FN-D,	2000w/
	40,	K40BU-D,	3000w/
	41,	K41IZ-D,	2000w/
	44,	K44AD-D,	1000w/
	49	K49HE-D	800w, 44-06-25/

<b>St. Paul</b>	<b>23</b>	<b>KTCI</b>	94-35-44 <b>GA from 26, 700kw/412m</b>
<b>St. Paul</b>	<b>35</b>	<b>KSTP-DT</b>	<b>QC from 50, 755kw/433m</b>
<b>Thief River Falls</b>	<b>10</b>	<b>KBRR-DT</b>	<b>PG&gt;9.3kw/ 198m</b>
Willmar	14	K14LF-D	DR 150w
Willmar	17,	K17FA-D,	DG 500w/
	34,	K34HO-	650w/
	39,	K39FE-D,	650w/
	44,	K44AE-D,	700w/
	46,	K46AC-D,	700w/
	48,	K48AH-D,	550w/
	50	K50HZ-D	540w
<b>Mississippi</b>			
<b>Biloxi</b>	<b>13</b>	<b>WLOX-DT</b>	<b>*QC from 39, 10.9kw/408m</b>
<b>Biloxi</b>	<b>39</b>	<b>WLOX</b>	<b>PA from 13, 715kw/366m</b>
Clarksdale	12	WPRO-LD	DG 300w
<b>Hannibal</b>	<b>7</b>	<b>KHQA-DT</b>	<b>*QC from 29, 13.6kw/271m</b>
<i>Hattiesburg</i>	<i>30</i>	<i>WHPM-LP</i>	<i>PR&lt;440w</i>
<b>Jackson</b>	<b>7</b>	<b>WLBT-DT</b>	<b>QC from 9, 10.3kw/389m</b>
Meridan	21	W21CS-D	PG>1.2kw, 32-21-14/ 88-37-58
<b>Meridian</b>	<b>11</b>	<b>WTOK-DT</b>	<b>*NW 40kw/ 160m</b>
Webb	11	WEBU-LD	DG 300w
<b>Missouri</b>			
<b>Cape Girardeau</b>	<b>12</b>	<b>KFVS-DT</b>	<b>*QC from 57, 6.8kw/609m</b>
Columbia	22/5	KQFX-LP/LD	CC from KZOU-LP/LD
	1		
Jefferson City	38/3	KZOU-LP/LD	CC from K38II/K39JJ- D
	9		
<b>Kansas City</b>	<b>29</b>	<b>KMBC-DT</b>	<b>QC from ch. 7, 1000kw/358m</b>
<b>Poplar Bluff</b>	<b>15</b>	<b>KPOB-DT</b>	<b>*NW 34.5kw/ 184m</b>
<b>Springfield</b>	<b>10</b>	<b>KOLR-DT</b>	<b>*NW 20kw/ 631m; PG&gt;26kw</b>
<b>St. Louis</b>	<b>24</b>	<b>KMOV-DT</b>	<b>QC from 56, 341m</b>
St. Louis	36	KPTN-LD	DR from ch. 7, 2kw
<b>Montana</b>			
<b>Billings</b>	<b>16</b>	<b>KBGS-TV</b>	<b>NW 29.8kw/ 167m, 45-46-09/ 108-27-26 (KUFM/PBS)</b>
Bozeman	28	KWYB-LD	PR<3.6kw; PG
<b>Butte</b>	<b>6</b>	<b>KTVM-DT</b>	<b>*NW 11.2kw/ 591m, 46-00-27/ 112-26-30</b>
Butte	39	K39JC-D	NW 625w, 46-01-41/ 112-32-04
Clancy	36	K36CX-D	DG 182w
Columbus	26	K26GL-D	DR 5kw
Elmo	20	K20CP-D	DG 2.4kw, 47-45-58/ 114-00-11
<b>Glendive</b>	<b>5</b>	<b>KXGN-DT</b>	<b>NW 1kw, 47-02-39/ 104-40-53</b>
Hardin	24	K24GD-D	DR 1.4kw
<b>Kalispell</b>	<b>9</b>	<b>KCFW-DT</b>	<b>NW 2.5kw/ 850m</b>

<b>Miles City</b>	<b>3</b>	<b>KYUS-DT</b>	<b>NW 1.03kw/ 30m, 46-25-34/ 105-51-38</b>
Miles City	6	K06FE-D	XR 46-26-08/ 105-50-50; XG
Miles City	10	K10GF-D	DR 1.3kw
<b>Missoula</b>	<b>11</b>	<b>KUFM-TV</b>	<b>PR&gt;12.3kw</b>
<b>Missoula</b>	<b>13</b>	<b>KECI-DT</b>	<b>*QC from 40, 30kw/610m</b>
Plains	11	K11JP-D	DC 42w
Red Lodge	39	K39HD-D	DR 2.5kw, 45-07-09/ 109-16-11
Townsend	7, 13	K07EJ-D, K13KH-D	DR 57w, 46-16-39/ 111-33-06
Weeksville	29	K29ID-D	DR
<b>Nebraska</b>			
<b>Lincoln</b>	<b>8</b>	<b>KLKN-DT</b>	<b>*NW 25.9kw/ 437m</b>
<b>Lincoln</b>	<b>51</b>	<b>KFXL-TV</b>	<b>CC from KCWL-TV</b>
McCook	29	KWNB-LD	CC from KUVR-LD
North Platte	13/2 7	KHGI-CA/LD	CC from WSWS- CA/LD
<b>Nevada</b>			
<b>Boulder City</b>	<b>26</b>	<b>K14NE-D</b>	<b>DR from ch. 14, 10kw, 36-00-31/ 115-00-28</b>
Elko	15, 17, 20, 32, 34, 36, 47	K15EE-D, K17DT-D, K20JQ-D, K32GK-D, K34HE-D, K36HA-D, K47HP-D	DG 1kw
Ely	14	K14AL-D	DG 400w
Ely	24, 26	K24GY-D, K26HY-D	PG>796w (for digital; analog was already authorized 796 watts)
Ely	28, 30, 32, 34	K28IZ-D, K30CN-D, K32CJ-D, K34CM-D	PG>796w
Las Vegas	41	K41IO-D	DC 15kw
Las Vegas	50	KLSV-LD	DG 10kw
Laughlin	6	K53DG-D	DR from ch. 53, 300w
Pahrump	50	K53AE-D	DR 1kw, 35-57-22/ 115-29-41
Ruth	11, 13	K11ED-D, K13NQ-D	PG>8w (for digital; analog was already authorized 8 watts)
Ruth	43	K43IL-D	PG>75w (for digital; analog was already authorized 75 watts)
Steptoe / Ruby Valley	8, 10	K08IY-D, K10KL-D	PG>40w
Wells	8	K08IO-D	DG 1kw, 41-11-40/ 114-56-36
Wells	20, 22, 24, 26	K20JQ-D, K22GW- K24GE-D, K26JB-D	DG 1kw; DC
<b>New Hampshire</b>			
<b>Colebrook</b>	<b>26</b>	<b>W26CQ</b>	<b>FC; sold to WENH-11 (PBS)</b>

<b>New Jersey</b>			
Atlantic City	39	WQAV-LD	QR from ch. 38, 15kw, 39-44-05/ 74-50-29
East Orange	4	WPXO-LD	QR from ch. 34, 300w
<b>Newark</b>	<b>13</b>	<b>WNET-DT</b>	<b>PR 4kw/507m, 40-42- 46/ 74-00-49</b>
<b>Newark</b>	<b>30</b>	<b>WFUT-DT</b>	<b>QC from 53, 200kw/429m, 40-44- 54/ 73-59-10</b>
<b>Vineland</b>	<b>29</b>	<b>WUVP-DT</b>	<b>QC from 66, 290kw/367m</b>
<b>New Mexico</b>			
<b>Albuquerque</b>	<b>7</b>	<b>KOAT-DT</b>	<b>*QC from 21, 26.5kw/1292m</b>
<b>Albuquerque</b>	<b>13</b>	<b>KRQE-DT</b>	<b>*QC from 16, 21.5kw/1287m</b>
<b>Albuquerque</b>	<b>22</b>	<b>KTFQ-DT</b>	<b>NW 1000kw/ 350m</b>
Albuquerque	39	KFAC-LD	DC 8.4kw
Carlsbad	28	K28JO-D	PG<500w, 32-25-29/ 104-13-31; CL from Hobbs
<i>Carlsbad</i>	<i>50</i>	<i>K50IP</i>	<i>PG&gt;1kw, 32-25-29/ 104-13-31</i>
Clovis	29	K29HB-D	DG 1.7kw
Deming	31	K31KB-D	NW 250w, 32-11-40/ 107-36-27
<b>Roswell</b>	<b>8</b>	<b>KOBR-DT</b>	<b>*NW 40kw/ 533m</b>
<b>Roswell</b>	<b>10</b>	<b>KBIM-DT</b>	<b>*NW 24.32kw/610m</b>
<b>Roswell</b>	<b>21</b>	<b>KRWB-DT</b>	<b>*NW 164kw/ 128m</b>
<b>Santa Fe</b>	<b>8</b>	<b>KNMD-DT</b>	<b>PA from ch. 9, 5.14kw/1274m</b>
<b>New York</b>			
<b>Buffalo</b>	<b>49</b>	<b>WNYO-DT</b>	<b>QC from 34, 198kw/376m, 42-46- 58/ 78-27-28</b>
<b>Carthage</b>	<b>7</b>	<b>WWNY-DT</b>	<b>QC from 35, 24.9kw/219m</b>
Cobleskill	14	WYBN-LD	DR from ch. 57, 15kw, 42-17-06/ 74-15-54
Dewitt	40	WIXT-CD	DG 1kw
<b>Elmira</b>	<b>18</b>	<b>WETM-DT</b>	<b>*QC from 2, 45kw/376m</b>
Fort Troy	18	WNYT-A	AF DRT 15kw, 42-47- 09/ 73-37-43
Glens Falls	45	WNYT-B	AF DRT 15kw, 43-18- 17/ 73-45-07
Manhattan	45	WMBQ-LD	DG from ch. 46, 15kw over informal objection of WABC-7 whose pre- transition DTV channel was 45
Manhattan	46	WMBQ-CD	QR from ch. 45; QG, 59.3kw; QC
Massena	18	WNYF-LD	QR from ch. 35, 4kw, 44-29-29/ 74-51-27
Mineola	45	WLIQ-LD	QG from ch. 26, 400w; PR>15kw, 40-45-08/ 73-58-04

<b>New York</b>	<b>7 WABC-TV</b>	<b>PR&gt;27kw</b>
<b>New York</b>	<b>18 WMBC-B</b>	<b>NS 150kw/ 257m, 40-45-22/ 73-59-12; additional DTS transmitter for Newton, NJ station. (will work with existing sole transmitter)</b>
New York	32 WXNY-LD	DR 10kw
New York	35 WNYX-LD	DC 10kw
New York	39 WNYN-LD	DC 3kw
Port Jervis	19 W19DC-D	PR<900w, 40-45-42/ 73-58-07
Port Jervis	25 WASA-LD	PR>15kw dismissed but refilled
Port Jervis	41 W41DN-	PR>2kw
<b>Rochester</b>	<b>10 WHEC-DT</b>	<b>*QC from 58, 18.1kw/153m</b>
<b>Rochester</b>	<b>13 WHAM-DT</b>	<b>*QC from 59, 10.5kw/152m</b>
<b>Saranac Lake</b>	<b>40 WNMN</b>	<b>CC from WCWF</b>
<b>Schenectady</b>	<b>6 WRGB</b>	<b>AF 4.64kw/ 388m aux; NS; PR&gt;30.2kw for main</b>
	<i>see text for more on this station</i>	
Southampton	50 WVH-CD	PG>15kw
Syracuse	6 WMBO-LP	QC from ch. 60, 300w, 43-03-30/ 76-10-00
<b>Syracuse</b>	<b>24 WSTM-DT</b>	<b>QC from 54, 210kw/393m</b>
<b>Watertown</b>	<b>41 WPBS-DT</b>	<b>PG&gt;59kw</b>
<b>North Carolina</b>		
Buxton	50 WHOB-LD	DG 2.5kw
Durham	40 WTNC-LD	DR from ch. 26, 15kw
<b>Fayetteville</b>	<b>38 WUVC-DT</b>	<b>PG&gt;1000kw/ 562m</b>
Goldsboro	43 WHFL-LD	DR 7.5kw
<b>Greenville</b>	<b>23 WUNK-TV</b>	<b>PR&gt;700kw/ 351m, amendment from 1000kw</b>
Manteo	11 WMTO-LD	DC from ch. 6, 300w
<b>NORTHC</b>	<b>8 WFXI</b>	<b>PG&gt;22.4kw; *QC from 24</b>
<b>Morehead City</b>	<b>12 WCTI-DT</b>	<b>*QC from 48, 32.8kw/589m</b>
<b>New Bern</b>	<b>12 WCTI-DT</b>	<b>*QC from 48, 32.8kw/589m</b>
Raleigh	44 WZGS-CD	DR 11.3kw
<b>Raleigh</b>	<b>48 WRAL-TV</b>	<b>QC from 53; AF 1000kw/ 467m aux (convert ch. 53 aux to ch. 48)</b>
Tarboro	41 WNCR-LD	DG 7.78kw; DC
<b>North Dakota</b>		
<b>Bismarck</b>	<b>17 KBMY-DT</b>	<b>PR&gt;75kw/ 290m, 46-35-15/ 100-48-20</b>
Bismarck	43 K43JQ-D	DC 1.6kw
<b>Grand Forks</b>	<b>15 KGFE-DT</b>	<b>NW 22.6kw/ 186m, 47-58-38/ 96-36-18</b>
<b>Jamestown</b>	<b>7 KJRR-DT</b>	<b>*NW 21.3kw/ 135m</b>
Minot	42 K42IM-D	NW 1kw, 48-15-39/ 101-17-58
<b>Williston</b>	<b>11 KWSE</b>	<b>QR from 51, 84.9kw/278m; QG</b>
<b>Ohio</b>		
Bucyrus	22 WBKA-CD	DR 9kw, 40-35-20/ 83-07-15

Canton	38 WIVM-LD	DR from ch. 52, 7.5kw, 40-53-55/ 81-12-37
<b>Canton</b>	<b>47 WRLM</b>	<b>CC from WOAC</b>
<b>Cincinnati</b>	<b>12 WKRC-DT</b>	<b>*QC from 31, 15.55kw/305m</b>
Cincinnati	19 WOTH-LP	QR from ch. 25, 150kw
<b>Cleveland</b>	<b>17 WKYC-DT</b>	<b>QC from ch. 2, 868kw/307m; AF 930kw/ 289m aux</b>
<b>Cleveland</b>	<b>34 WOHS-DT</b>	<b>PR&gt;570kw/ 361m</b>
Columbus	48 WCPX-LD	QR from ch. 25, 15kw; supercedes application to increase power without changing frequency
<b>Columbus</b>	<b>48 WSYX</b>	<b>PA from 13, 1000kw/286m</b>
Lima	25 WOHL-CA	PR>150kw, 40-44-51/ 84-07-54
Lima	35 WOHL-DC	QG from ch. 25, 9kw, 40-44-51/ 84-07-55 (to use old WLIO-35 antenna?)
Lima	45 WLQP-LD	DR 15kw, 40-44-51/ 84-07-54
Lima	47 WLMO-LD	DR 40-44-51/ 84-07-55
Loudonville	51 WIVX-LD	DR from ch. 65, 1.1kw
Newcomerstown	22 WIVD-LD	NW 6kw, 40-21-32/ 81-30-02; CC from W22DD
Newcomerstown	29 WIVN-LD	DR 7.4kw
<b>Springfield</b>	<b>26 WBDT-DT</b>	<b>*QC from 18, 50kw/291m</b>
<b>Toledo</b>	<b>11 WTOL-DT</b>	<b>*QC from 17, 16.9kw/305m</b>
Youngstown	19 WYFX-LD	DR from ch. 62, 15kw
<b>Oklahoma</b>		
Bartlesville	34 K66EK	QR from ch. 66, 38.54kw, 36-39-48/ 96-01-49
Enid	31 KXOK-LD	PR>3.7kw
Lawton	43 K43LK-D	DG 2.6kw, 34-36-27/ 98-16-26; DC
McAlester	23 KEGG-LD	QR from ch. 18, 35- 24-48/ 95-21-56
Nowata	25 KGCT-CD	DG 60w
Oklahoma City	43 KTOU-LD	DR from ch. 21, 15kw
<b>Tulsa</b>	<b>8 KJRH-DT</b>	<b>*QC from 56, 15.9kw/572m</b>
<b>Tulsa</b>	<b>45 KOTV-DT</b>	<b>QC from 55, 840kw/556m; AF 870kw/ 505m aux</b>
<b>Oregon</b>		
<b>Corvallis</b>	<b>7 KOAC-DT</b>	<b>*QC from 39, 18.1kw/357m</b>
Cottage Grove	14 K14LP-D	DC 200w
Eugene	19 K19GH	QC from ch. 57, 10kw
Eugene	38 K38JK-D	DG 6kw
Grants Pass	38 K20DT-D	DR from ch. 20, 15kw
Hood River	38 K53EI-D	DR 15kw
<b>La Grande</b>	<b>13 KTVR-DT</b>	<b>*QC from 5, 16.1kw</b>
La Pine	4 K04BJ-D	DR 36w, 43-39-17/ 121-25-46

Lakeview <b>Medford</b>	19 K19BK-D 10 KTVL-DT	DR 1.22kw *QC from 35, 9kw/1001m, 42-04-52/ 122-43-09
Midland	36 K62BE-D	DR from ch. 62, 4kw, 42-04-40/ 121-58-25
North La Pine Port Orford	34 K34AI-D 47 K61BU	DR 720w QC from 61, 600w
<b>Portland</b>	10 KOPB-DT	*QC from 27, 32.4kw/524m
<b>Portland</b>	12 KPTV	AF 24.5kw/ 373m (aux)
Portland Rainier Redmond	26 K26GJ-D 41 K41IP-D 6 K06PA-D	DR 6kw DR DG 300w, 44-11-40/ 120-58-36
Reedsport <b>Salem</b>	4 K04OS-D 22 KPXG-DT	DG 300w *QC from 4, 745kw/510m
The Dalles	7 K64BK-D	DR 5.2kw (power limit for LP digitals on ch. 7 should be 300 watts)
<i>The Dalles</i>	25 K59EK	QC from ch. 59
Warrenton Wedderburn	51 KHPN-LD 4 K04MG-D	DG 2.8kw DR 250w, 42-23-51/ 124-21-51
<b>Pennsylvania</b>		
Altoona	22 WJAC-C	AF DRT 7.5kw, 40-34- 03/ 78-26-42
Bedford	30 WJAC-B	AF DRT 7kw, 40-00- 46/ 78-33-12
Brookville Charleroi Du Bois	45 W45BT-D 40 WMVH-CD 26 WJAC-A	DR 15kw DR 5.457kw AF DRT 5kw, 41-02- 43/ 78-42-11
Elliottsburg <b>Erie</b>	14 W12CA-D 12 WICU-DT	DR from ch. 12, 15kw NW 5.4kw/ 307m
Hazleton	47 W47DQ-D	AF DRT for WOLF-TV 300w, 41-37-55/ 75-25-33
<b>Jeannette</b>	11 WPCW	NS 30kw/ 259m, 40-29-38/ 80-01-09; NW
<b>Lancaster</b>	8 WGAL-DT	*QC from 58, 7.5kw/419m, later amended to 8.1kw; PR>14.1kw
Middleburg Philadelphia	16 W18BC-D 3 WFPA-CD	DR from ch. 18, 15kw DR 300w, 40-02-30/ 75-14-11
<b>Philadelphia</b>	6 WPVI-TV	PR>30.2kw
<b>Philadelphia</b>	34 WCAU-DT	QC from 67, 700kw/400m
<b>Philadelphia</b>	35 WYBE-DT	*QC from 34, 450kw/376m
Philadelphia <b>Philadelphia</b>	38 WPHA-CD 42 WTXF-TV	DR 3kw PR>620kw/ 343m
Pittsburgh	6 WBPA-LD	PR>300w, 40-29-39/ 80-01-13
Scranton	36 W36DQ-D	AF DRT from WSWB 300w, 41-37-55/

Uniontown	30 WWKH-CD	DR 15kw
<b>Rhode Island</b>		
<b>Providence</b>	13 WPRI-TV	PG>30kw
<b>South Carolina</b>		
<b>Charleston</b>	36 WMMP-DT	*NW 1000kw/ 583m
<b>Columbia</b>	10 WIS-DT	*QC from 41, 57kw/481m
<b>Columbia</b>	32 WRLK-DT	PC>250kw
<b>Conway</b>	9 WHMC-DT	PC>31.8kw
<b>Florence</b>	21 WWMB-DT	*QC from 20, 400kw/581m, 34-22- 02/ 79-19-49
<b>Florence</b>	45 WJPM-DT	PC>108kw
<b>Greenville</b>	9 WNTV-DT	PC>102.3kw
<b>Greenwood</b>	18 WNEH-DT	PC>106.7kw
<b>Rock Hill</b>	39 WMYT-DT	NW 225kw/ 571m
<b>Spartanburg</b>	43 WRET-DT	PC>106.2kw
<b>South Dakota</b>		
<b>Florence</b>	3 KDLO-DT	*QC from 2, 14.4kw/513m, 44-57- 56/ 97-35-22
<b>Rapid City</b>	2 KOTA-TV	PR>18.2kw/ 205m; PG
<b>Sioux Falls</b>	11 KELO-DT	*QC from 32, 30kw/610m
<b>Tennessee</b>		
<b>Chattanooga</b>	9 WTVC-DT	*QC from 35, 10.6kw/324m
<b>Cookeville</b>	22 WCTE-DT	PG<57kw
<b>Crossville</b>	20 WBXX-DT	*QC from 50, 652kw/735m
<b>Knoxville</b>	10 WBIR-DT	QC from 31, 40.9kw/546m, 36-00- 19/ 83-56-23
<b>Memphis</b>	5 WMC-DT	*QC from 52, 34.5kw/308m
<b>Memphis</b>	23 WTUV-DT	QC from 14, 1000kw/261m
<b>Memphis</b>	50 W45DB-D	DR from ch. 45, 15kw, 35-16-33/ 89-46-38
<b>Nashville</b>	8 WNPT-DT	*QC from 46, 17.65kw/390m
<b>Nashville</b>	25 WIIW-LD	PR>15kw
<b>Nashville</b>	27 WKRN-DT	PC>1000kw
<b>Nashville</b>	50 WTVF-A	AF DRT 100kw, 36-16- 05/ 86-47-16; granted at 15kw
		<i>see text for more on this station</i>
<b>Texas</b>		
<b>Amarillo</b>	9 KACV-DT	GA from ch. 8, 30kw/398m. Will use KFDA's pre- transition facilities. (KFDA is on DTV channel 10)
<b>Amarillo</b>	10 KFDA-DT	*QC from ch. 9
<b>Austin</b>	7 KTBC-DT	PG<71.2kw
<b>Beaumont</b>	26 K47IO-D	DR from ch. 47, 30-06- 35/

Beaumont	49	KEHO-LD	94-01-42 DR from ch. 13, 15kw, 29-56-08/ 94-30-39
Britton	27	KODF-LD	DR from ch. 26, 15kw
Brownsville	27	KBDF-LD	DR from ch. 64, 12.7kw
Brownsville	39	KBDF-LP	QR from ch. 64, 40kw, 26-07-27/ 97-29-19 dismissed
Clarendon	17	K17DS-D	DR 510w
Corpus Christi	6	KCCZ-LD	DR from ch. 61, 300w
Corpus Christi	42	KVVC-LP	XR 27-45-32/ 97-36-26
Dallas	20	KSEX-LD	QR from ch. 6, 5kw, amendment from 10kw
Dallas	49	KJJM-LD	QR from ch. 34
De Soto	29	KNAV-LD	QR from ch. 12, 15kw, 32-35-21/ 96-58-12
De Soto	33	K31GL-D	QR from ch. 31, 15kw
Denison	7	KQFW-LD	XR 33-33-37/ 96-57-35
Denison	21	KWDA-LD	DR from ch. 11, 15kw, 33-32-08/ 96-49-54
El Paso	26	K40FW	QR from ch. 40, 150kw
Fredericksburg	5	KCWX	NW 23.7kw/ 412m; PG>82.9kw
Gainesville	2	KSFV-LD	DG 300w, 33-32-08/ 96-49-54
Garfield	14	KVAT-LD	QR from ch. 17
Garland	23	KUVN-DT	*QC from 24, 186kw
Hereford	44	K44GW-D	DR 15kw, 35-08-00/ 102-04-23
Houston	11	KHOU-DT	PR>60kw/ 593m, amendment from 85kw
Houston	43	KHLM-LD	DC 15kw
Jasper	19	K54JK-D	DR from ch. 54, 15kw
Keene	18	KGSW-LD	DR from ch. 31, 15kw
Killeen	13	KAKW-DT	PR>39kw/ 553m; PG
La Feria	23	KFTN-CD	
Laredo	8	KGNS-DT	*NW 20kw/ 312m
Laredo	13	KVTV-DT	*DC from 31, 3kw/284m
Laredo	19	KLDO-TV	PR>150kw
Laredo	27,	KXOF-CD,	DR from chs. 39/25,
	31	KETF-CD	15kw, 27-30-04/99-30- 37
Livingston	25	KCTL-LD	DR 15kw
Llano	27	KXAM-DT	NW 660kw/ 249m
Lubbock	11	KCBD-DT	*QC from ch. 9
Lubbock	20	KFIQ-LD	DR from ch. 4, 15kw
Lufkin	9	KTRE-DT	*QC from 11
Lufkin	29	KFXL-LD	DR from ch. 30, 15kw, 31-21-55/ 94-45-59
McAllen	39	KNDF-LD	DR 3.41kw, 26-15-23/ 98-13-49
Odessa	7	KOSA-DT	*NW 48kw/ 226m
Odessa	9	KWES-DT	*NW 25.7kw
Odessa	30	KWWT-DT	*NW 50kw/ 147m, 32-02-53/ 102-17-44

Quitaque	35	K35EM-D	DR 510w
Refugio	25	KXCO-LD	DR from ch. 42, 15kw, 28-02-07/ 97-26-12
Rio Grande City	40	KTLM-DT	*NW 355kw/ 577m, 26-31-01/ 98-39-07
Rosenberg	45	KXLN-DT	*QC from 46, 1000kw/594m
San Angelo	13	KSAD-LP	PG<1kw, 31-28-19/ 100-24-47
San Antonio	12	KSAT-DT	*QC from 48, 17.6kw/455m; PR>22.2kw
San Antonio	19	KOBS-LD	DG 5kw
San Antonio	41	KWEX-DT	*QC from 39, 580kw/432m; PR>1000kw
Tulia	34,	K55JV-D,	DR from ch. 55/57,
	38	K57JK-D	464w
Tulia	36	K36CC-D	DR 464w
Tyler	7	KLTV-DT	*QC from 10, 66kw/300m, 32-32-23/ 95-13-11
Tyler	48	KTPN-LD	DR 15kw, 32-21-52/ 95-16-20
Uvalde	16	K17GL-D	DR from ch. 17, 15kw
Uvalde	27	K45HM-D	DR from ch. 45, 8kw, 29-21-46/ 99-37-14
Vidor	6	K66GD-D	DR from ch. 66, 300w, 30-08-01/ 94-07-09
West Lake Hills	6	KTXU-LD	DR from ch. 47, 100w
Wichita Falls	22	KAUZ-TV	PR>433kw; PG
Woodville	4	K23HF-D	DR from ch. 23, 300w, 30-40-07/ 94-31-41
Utah			
Beaver	47,	K47KU-D,	NW 25w, 38-27-24/ 112-39-27 (KUTV,
	48,	K48KR-D,	KTVX, KSL, KUED,
	49,	K49JS-D,	KBYU)
	50,	K50KB-D,	
	55	K55KJ-D	
Beaver	51	K51JV-D	NS 10w, 38-27-24/ 112-39-27 (KUEN-9)
Cedar City	14	KCSG-DT	NW 25kw/ 385m, 37-38-22/ 113-02-00
Cedar City	39	K39FQ-D	DR 380w; DG
Coalville	21,	K21JM-D,	NW 8w, 40-55-26/ 111-23-50
	23,	K23JS-D,	
	25,	K25KJ-D,	
	27,	K27IZ-D,	
	29,	K29IN-D,	
	30,	K30KG-D,	
	31,	K31KC-D,	
	32	K32IT-D	
Heber & Midway	26,	K26IK-D,	NW 9w, 40-33-45/ 111-28-30
	29,	K29IL-D,	
	40,	K40JG-D,	
	44,	K44IQ-D,	
	46	K46JD-D	
Henefer	23,	K23JR-D,	NW 5w, 40-58-40/ 111-26-07 (? , KJZZ, ?, KUWB, KBYU, ?, KUTV)
	24,	K24HM-	
	25,	K25KI-D,	
	26,	K26IL-D,	
	27,	K27JA-D,	
	32,	K32IS-D,	
	33	K33JH-D	
Henefer/ Echo	29	K29FY-D	DR 65w; DG

Kanarrville	2	K02KN-D	DG 50w
Leamington	23, 25, 27	K23IJ-D, K25JG-D, K27IY-D	NW 10w, 39-31-56/ 112-18-47 (KCSG-4, KSTU-13, KUED-7)
Logan	68	KQTI-LD	CC from K68GP-
Manti	27	K27HR-D	DR 140w
Manti & Ephraim	29, 31, 33	K29EM-D, K31FN-D, K33FT-D	DR 140w; DG; DC
Modena	21, 29	K21EI-D, K29FA-D	DG 100w
Morgan	28, 30, 31, 32	K28JL-D, K30JB-D, K31IU-D, K32HK-D	NW 11w, 41-04-07/ 111-39-31 (KSTU, KUTV, KTVX, KSL)
Mount Pleasant	22	K22FW-D	DG 55w; DC
New Castle	49, 51	K49IF-D, K51GS-D	DG 100w
Ogden	10	KULX-LD	PR>300w dismissed
Ogden	14	K68GP-D	DR from ch. 68, 1.1kw, 41-09-57/ 112-00-52; CL from Logan
<b>Ogden</b>	<b>24</b>	<b>KPNZ-DT</b>	<b>*NW 450kw</b>
Orderville	16, 18	K16BT-D, K18ET-D	DR 30w
Orderville	20, 31, 33, 35	K20IZ-D, K31JH-D, K33JB-D, K35JM-D	NW 5w, 37-16-25/ 112-37-33
Park City	57	KULU-LP	CC from K57JB
Peoa	6	K06OV	NW 40w, 40-43-21/ 111-21-46
Peoa	18, 21, 25, 33, 35	K18HV-D, K21IY-D, K25KK-D, K33JG-D, K35IS-D	NW 11w, 40-43-21/ 111-21-49
Richfield	35, 38, 40, 44	K35GQ-, K38AQ-D, K40AB-D, K44DU-D	DG 63w
Samak	23, 24, 25, 26, 27, 28, 29, 30	K23IQ-D, K24IF-D, K25KM-, K26IM-, K27JB-, K28JS-, K29IM-, K30KC-D	NW 3w, 40-37-56/ 111-15-34
Scipio	21, 23, 27	K21IJ-D, K23IN-D, K27JU-D	NW 10w, 39-12-09/ 112-08-35
Summit County	19, 41, 43, 49, 51	K19DU-D, K41GS-D, K43AA-D, K49FY-D, K51FY-D	DG 78w/ 224w/ 268w/ 222w/ 221w
Tropic & Cannonville	27, 29, 31, 33	K27ID-D, K29GJ-D, K31EL-D, K33HX-D	DC 95w
Wanship	21, 23, 25, 28, 29, 30, 32	K21JL-D, K23IP-D, K25KL-D, K28JR-D, K29HX-D, K30KE-D, K32IU-D	NW 5w, 40-48-33/ 111-23-41
Woodland & Kamas	24, 30	K24IG-D, K30KF-D,	NW 11w, 40-34-00/ 111-14-32 (? , ? ,

34, 36, 38, 52	K34JC-D, K36IS-D, K38KD-D, K52JZ-D	KUTV, KUED, KSL, KBYU)	
<b>Vermont</b>			
White River Junction	27	W27CP	FC; sold to WENH-11 (PBS)
<b>Virginia</b>			
Bridgewater	41	W29DI-D	QR from ch. 29, 15kw
<b>Bristol</b>	<b>5</b>	<b>WCYB-DT</b>	<b>*QC from 28, 7.1kw/743m</b>
Fairfax	6	WDCN-LP	QG from zero offset to plus
<b>Lynchburg</b>	<b>20</b>	<b>WWCW-DT</b>	<b>NW 916kw/ 500m</b>
<b>Richmond</b>	<b>12</b>	<b>WWBT-DT</b>	<b>QC from 54, 5.65kw/241m</b>
<b>Roanoke</b>	<b>18</b>	<b>WDBJ</b>	<b>PR&gt;675kw; PG; PC</b>
Winchester	46	WAZW-LD	PR>15kw, . 38-57-36/ 78-19-52
<b>Washington</b>			
Aberdeen	23	KRUM-LD	PR>1.2kw
Bellingham	60	K60GV-D	DR 15kw, 48-08-09/ 121-58-56
Centralia	29	K53AZ-D	DC from ch. 53, 1.2kw, 46-33-18/ 123-03-25
East Wenatchee	42	K42IH-D	DG from K53DN, 1.18kw
Malaga	10, 12	KNEE-LD, K12CF-D	DG
Prosser	23	K05JO-D	DR from ch. 5, 2.02kw; CL from Sunnyside
Richland	51	K54DU-D	DR from ch. 54, 1.94kw, 46-14-04/ 119-19-13
<b>Seattle</b>	<b>48</b>	<b>KING-DT</b>	<b>PG&gt;1000kw/ 257m, non-DA</b>
<b>Spokane</b>	<b>15</b>	<b>KHQ-DT</b>	<b>PR&gt;1000kw/ 653m</b>
<b>Spokane</b>	<b>28</b>	<b>KAYU-TV</b>	<b>AF 110kw/ 564m aux</b>
Wenatchee	47	KWCC-, K51DR-D	DG
Yakima	45	KDHW-LP	PC>36kw, 46-31-59/ 120-29-31
Yakima-Toppenish	51	K51JG-D	DG from K58DL, 10.91kw, 46-31-41/ 120-31-20
<b>West Virginia</b>			
Beckley	43	WVVA-A	AF DRT 15kw, 37-53- 46/ 80-59-21
<b>Bluefield</b>	<b>40</b>	<b>WLFB-DT</b>	<b>*QC from 14, 1000kw/391m</b>
Clarksburg	46	W21CJ-D	DR from ch. 21, 15kw
Hampshire	30	W34DW-D	QR from ch. 34, 15kw
<b>Wisconsin</b>			
<b>Eau Claire</b>	<b>13</b>	<b>WEAU-DT</b>	<b>NW 29.9kw/ 611m</b>
<b>Fond du Lac</b>	<b>5</b>	<b>WWAZ</b>	<b>PA from 44, 25kw/354m, proposes sharing the Milwaukee Public TV tower.</b>

Green Bay	11 WLUK-DT	*QC from 51, 17.19kw/384m 44-24-32/ 87-59-31
La Crosse	48 WXOW-DT	NW 371kw/ 348m, 43-48-23/ 91-22-02
Park Falls	36 WLEF-DT	PG>200kw; QC from 47
Racine	48 WBME-TV	PR<500kw/ 300m
Sheboygan	36 W29DJ-D	QR from ch. 29, 15kw (transmitter in Milwaukee)
<b>Wyoming</b>		
Casper	8 KPTW-DT	*NW 2.3kw/ 568m
Cheyenne	14 K14LV-D	DG 15kw, 41-00-11/ 104-54-19
Cody	43 K55CA-D	DR 15kw
Jackson	36 K36JD-D	PR<85w
Meeteetse	17, K65BW-, 19, K67CB-D, 21 K69CS-D	DR from chs. 65, 67, 69, 15kw
Riverton	28 K28HL-D	DR 300w
Sheridan	9 K09XK-D	DR 2.29kw (power limit for LP digitals on ch. 9 should be 300 watts)
Sheridan	15 K15HK-D	NW 1.3kw, 44-36-07/ 106-55-54 (KCWC-4)
Sheridan	29/1 KSWY- 0 LP/LD	CC from KJCW-LP/LD
Shoshoni	44 K44IR-D	NW 300w, 43-27-00/ 108-14-00 (KCWC-4)

Thanks to Bill Draeb for information appearing elsewhere in this column.

Well, full-power analog TV is now gone in the U.S..

As most DXers (and engineers) expected, low-band VHF is not working out very well for digital TV... Two of the three channel 6 stations in the Northeast have filed for substantial power increases, and a third wants to move to UHF.

WPVI in Philadelphia has received the most publicity. Authorized for 7.56kw (the most allowed on a low-band channel at their 332m antenna height), viewers have been having serious problems receiving the station. They have filed for an increase to 30.2kw – which exceeds even the 10kw limit for low-band DTVs in their zone regardless of height.

WRGB Schenectady, New York is another channel 6 DTV with reception problems. They, too, are authorized for the maximum permissible power for their antenna height, 4.64kw. They, too, have filed for 30.2kw.

I have to wonder if WRGB's problems are in part self-generated. This is the station that is attempting to keep their analog aural signal in

operation, so audiences used to listening to their TV sound on their FM radios can continue to hear the signal. Area listeners are reporting the analog aural signal is on the air. I can find nothing on the FCC website indicating this is authorized, but often Special Temporary Authorities don't make it to the website. It is very unlikely a large TV station like WRGB would operate a transmitter without authorization.

Listeners are also reporting WRGB's analog audio signal has changed frequency from 87.75MHz (where it was when WRGB's analog video signal was still on the air) to 87.9MHz.

Both frequencies are inside the digital TV channel. Reports have it the analog audio signal is being transmitted with vertical polarization, compared to the digital TV signal which is transmitted horizontally.

If antennas behaved according to theory, this would work out just fine. DTV receivers, connected to horizontally-polarized antennas, would reject the vertically-polarized FM signal; FM receivers, connected to vertically-polarized antennas, would reject the DTV signal.

Practice is probably reasonably close to theory at the transmitter – the transmitted signals are probably indeed cross-polarized. However, almost NO receiving antennas are properly polarized.

Look at an ad for a set of rabbit ears. The “ears” are shown at a 45° angle. They'll respond pretty much equally to horizontal and vertical signals. A DTV receiver in Schenectady will see a big FM carrier in the edge of the channel.

(FM receivers will have the same problem. The antenna on my car is also at a 45° angle; there will be plenty of DTV mixed with my FM audio...)

The third Northeastern channel 6, in New Haven, Connecticut, wants to move to channel 41. This channel has been abandoned by NYC's WXTV's analog signal; WXTV's digital signal is on channel 40.

I'm not entirely sure the Connecticut station's (WEDY) move has to do with low-band reception problems though. They were a very low-powered station – running only 7.9kw on channel 65 as an analog station, and only 400 watts on channel 6. They've filed for 200kw on channel 41. That's 10 times the



power it would take to simply make up for the move from VHF to UHF.

Another station that's reported serious problems with low-band VHF is my local, WTVF-5 Nashville. They report receiving thousands of reception complaints, largely within Nashville/Davidson County.

The FCC created a DTV Replacement Translator service, expecting stations would apply for low-power relay facilities at the edges of their coverage area. These facilities would reach fringe areas where their old analog signal could be received but their new digital signal was non-existent.

WTVF has filed for a Replacement Translator – at the same site as their main transmitter. The translator would operate on channel 50, abandoned this spring by WPGD's analog signal. (WPGD transmitted from the other side of I-24, about a quarter-mile to the west)

WTVF initially requested 100kw of power for this translator, nearly 7 times the normal limit for a digital translator. They requested a waiver to the power limit. The application seems to have been amended to comply with the power limit just long enough to be granted; but the request to increase power to 100kw has been refiled.

WDSE-8 in Duluth, Minnesota has filed a similar application, specifying channel 38. (this may explain why WDSE was unwilling to allow KTCI St. Paul to use that channel!) WDSE doesn't want a waiver to the power limits though.

And yes, that's a channel 8 station that feels it needs a translator. That's been the big surprise out of the transition: that *high-band VHF stations are also having problems*.

Here, probably the "poster boy" is WHDH-7 Boston. Reception complaints have been rampant. The station promptly requested (and was granted) Special Temporary Authority to re-activate their pre-Transition DTV facility on channel 42. Apparently it's worked out pretty well, as WHDH has now requested to have the channel 42 facility licensed as their permanent DTV operation.

WHDH is lucky in that the channel 42 facility could be reactivated. The channel hadn't been reassigned to anyone else.

WLOX-13 Biloxi, Mississippi and WVUE-8 New Orleans have also reactivated pre-Transition UHF DTV facilities, on channels 39

and 29 respectively, and both stations have applied to make those moves permanent.

(why don't WPVI, WRGB, WEDY, and WTVF do the same thing? WPVI and WTVF can't; their interim DTV operations were "outside core" on channels 64 and 56. WRGB's interim operation was channel 39 – not outside core, but I wonder if proximity to WCTX New Haven on the same channel is a problem? For WEDY, channel 6 was their interim operation. Their old analog channel, 65, is also outside core.)

My gut feeling is the problem with VHF has been the widespread sale of woefully inadequate antennas. One popular discount store has been selling antennas that appear to consist of a 7-inch square loop, and claiming they receive both UHF and VHF channels. Maybe if you live five miles from the tower. I've also encountered viewers who bought 4-bay panel antennas and were told they would receive all channels at 75 miles. (they do receive UHF very well at 75 miles, but 75-mile VHF reception on this antenna is not likely...)

I've encountered rabbit ears for sale in stores 50 miles from the transmitters – and suspect stores are selling them everywhere. (I've taken one phone call from a viewer 90 miles from the towers who was angry because she couldn't receive any Nashville signals on rabbit ears. And really, I think she was reasonable to expect that, if the store in the county seat was selling rabbit ears, they should work!)

Other issues suspected to be challenging high-band VHF DTV stations include 2<sup>nd</sup> – harmonic interference from FM stations (the second harmonics of the FM band encompass TV channels 7-13); cross-modulation interference from FM stations (signals of two FM stations mixing to generate a signal in high-band VHF); and interference from other DTV stations on the same channel. (some reports are suggesting interference from other DTV stations is harder on reception than interference from analog stations was)

In the end, some observers believe VHF may have to be abandoned altogether for DTV, at least for stations that hope to replicate the coverage of a former maximum-power analog signal.

Many VHF DTV stations share WPVI's problem though: they don't have a usable pre-transition UHF DTV facility they can

revert to. In many cases (including WPVI's) there is no available UHF channel.

And the cost of building a new full-power UHF DTV facility runs into the hundreds of thousands of dollars. This would be difficult to come up with in a good economy, let alone in the current recession.

I think you may see more operations like those proposed by WTVF and WDSE: stations operating VHF DTV facilities at full power to serve rural audiences, and simulcasting at 15kw on a UHF channel from the same tower to reach flaky-antenna viewers in the city.

Canada's CRTC has granted one-year renewals to the country's over-the-air broadcasters. They expect to hash out terms for full-term renewals in the next year.

In the news release, they mentioned the terms on which stations will be expected to build digital transmitters. (remember, these groups have indicated they don't have the resources to "digitalize" all of their relay transmitters)

Originating stations in the ten provincial capitals, the three territorial capitals, and Ottawa, the national capital, will be expected to provide digital over-the-air signals. So will all stations in cities of over 300,000 population. And, stations in other markets with two or more originating stations will be expected to provide over-the-air digital signals.

The CRTC suggested use of "multiplexing" (subchannels) might allow extension of over-the-air coverage. A single digital transmitter on channel 7 in Lethbridge could carry three subchannels – 2.1 Global, 4.1 CTV, and 5.1 A-Channel.

Rural viewers losing their over-the-air TV may find another source of programming. Canada's two satellite operators have offered to provide appropriate packages of over-the-air signals *free of charge*. (presumably viewers would have to purchase the dish and receiver but would not pay a monthly fee for the programming)

In Michigan, Bill is reporting seeing WWTV-DT on RF channel 45 – and on RF channel 9. While I reported above some VHF DTV stations reactivating their pre-Transition UHF facilities, that's not what's happening here; WWTV's pre-Transition channel was 40.

WWTV/WWUP and WFQX/WFUP are co-owned. WFUP – which is on RF channel 45 – is carrying WWTV on a second channel. As permitted by FCC regulation, they're using major channel 33 for their Fox affiliate – and major channel 9 for the WWTV simulcast.

Good (DTV) DX!

## GRAPH CHANGES



Next month we change the graph a bit to reflect membership at the *end* of the month, not the beginning. You will see July listed twice instead of once and that will reflect both beginning and ending numbers.





# FM NEWS

From WTFDA.info and w9wi.com



BILL HALE, 6124 ROARING SPRINGS DR, N. RICHLAND HILLS TX 76180

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August 2009

## INDEX OF ABBREVIATIONS

APP application	PTA Program Test Authority (station has been given authority to begin testing)
APP Mod Change to an already submitted application	Special Temporary Authority
AUX auxiliary facilities (backup)	RoA (at the request of applicant)
CL city of license (change to or from)	XL Transmitter Location
Class FM license class	
CP construction permit (authority to broadcast with facilities noted)	AS American Samoa
CP Mod change to an already granted CP	GU Guam
DA directional antenna	MP Northern Mariana Islands
FC frequency change (to or from)	VI Virgin Islands
LC License to Cover (station has ended testing and has been given authority to begin operation)	
NDA non-directional antenna	Note: antenna heights are HAAT except where noted

### --- CANADA --- - CALL LETTER CHANGES -

	Old Call	New Call				
AB Calgary	96.9 CKIS	CJAQ	ON Leamington	91.9 NEW		CBEW-1
BC Smithers	93.9 NEW	CICK	ON Orillia	89.1 NEW		CISO
NS Dartmouth	92.9 CFDR(AM)	CFLT	ON Toronto	92.5 CJAQ		CKIS

### - FORMAT and SLOGAN CHANGES -

AB Calgary	90.3	CFUL	To: CHR
AB Fort McMurray	94.5	CFWE-5	New station is on with Aboriginal format
AB Red Deer	101.3	CKIK	Slogan: <i>KRAZE 101 point 3</i>
AB Spruce Grove-Edmonton	98.5	CFWE-4	New station is on with Aboriginal format
BC Salt Spring Island	107.9	CFSI	New station is on with a Classical/Jazz/Variety format
NS Dartmouth	92.9	CFLT	New station is on the air as <i>Today's Lite Rock, Lite 92 point 9 FM</i> , moving from 780 kHz.
ON Toronto	92.5	CKIS	To: CHR as <i>Kiss 92 point 5</i>
QC Shefferville	106.9	CHKA	New station is on with Aboriginal; <i>Radio Kue Attinukan</i>

### -TECHNICAL CHANGES -

- NOW ON THE AIR -			
NS Dartmouth	92.9	CFLT	100 kw/196 m, 44-39-03/63-39-25; New station is on the air, moving from 780 kHz

### --TECHNICAL CHANGES --

<u>CP granted to:</u>			
AB Calgary	90.3	CFUL	Increase power to 100 kw at increased antenna height at new location
AB Calgary	103.1	CFXL	Increase antenna height at new location
AB Wabasca	95.5	CIAM-FM-14	50 m
NF Happy Valley-Goose Bay	97.9	CFLN	Move station from 1230 kHz with 1 kw
NF Wabush	94.7	CFLW	Move station from 1340 kHz with 1 kw
ON Caledon	102.7	CFGM	Convert from a Tourist Information Station to a commercial station with an AC/Variety format
ON Hamilton	94.7	CIWV	Increase power to 100 kw
ON Sudbury	103.9	CHNO	Increase power to 100 kw and increase antenna height at a new location
ON Windsor	97.5	CBEW	Move from 1550 kHz with 19 kw
ON Wingham	94.5	CIBU	Increase power to 75 kw and decrease antenna height
ON Wingham	101.7	CKNX	Increase power to 100 kw and decrease antenna height
ON Woodstock	104.7	CIHR-FM	Increase power to 20 kw

### --TECHNICAL CHANGES --

#### - GRANTS FOR NEW STATIONS -

<u>CP granted for:</u>			
AB Edmonton	95.7	NEW	47 kw/251 m, 53-25-20/113-14-09; Class C1
BC Crescent Valley	101.5	VF2556	12 w/395 m, 49-29-16/117-32-36; variety; Kootenay Co-op Radio; will be // CJLY-93.5 Nelson
BC Dawson Creek	106.5	VF2555	50 w/16 m, 55-46-15/120-14-29; Christian; will be // VOAR-1210 St. John's
BC Fruitvale	102.1	VF2537	13 w/-156 m, 49-06-09/117-31-45; Christian; will be // VOAR-1210 St. John's
BC Smithers	93.9	CICK-FM	5 w/-75 m, 54-46-47/127-10-11; community; <i>Smithers Community Radio</i>
BC Tofino	92.5	VF2552	46 w/100 m, 49-08-53/125-54-47; Christian; will be // VOAR-1210 St. John's
NF St. John's	95.7	NEW	232 w/29 m, 47-32-04/52-47-21; will relay CJRM-FM Labrador City
NS Amherst	107.9	NEW	6.5 kw/123 m, 45-45-36/64-09-30; community; Tantramar Community Radio Society

ON	Alliston	94.7	CFAO-FM	50 w/16 m, 44-08-57/79-52-33
ON	Leamington	91.9	CBEW-FM1	10.45 kw/74 m, 42-06-46/82-39-52; CBC Radio One
ON	Wallaceburg	99.1	CKWD-FM	1 kw/60 m, 42-37-38/82-18-28
QC	Campement Eastmain	91.3	VF2490	1.39 kw/85 m, 52-11-30/76-04-27; located at a hydro construction site, and will be abandoned shortly after the dams are constructed, with the areas to be reforested
QC	Campement Sarcelle	92.1	VF----	1.505 kw-V/88 m, 52-36-57/76-41-24; relays CFQR-92.5 Montreal; located at a hydro construction site, and will be abandoned shortly after the dams are constructed, with the areas to be reforested.

**--TECHNICAL CHANGES --**

- APPLICATIONS FROM EXISTING/PROPOSED FACILITIES -

			<u>Applies for:</u>	
QC	Sherbrooke	93.7	CFGE-FM	25.5 kw/207 m; relocate XR

**--TECHNICAL CHANGES --**

- PROPOSALS FOR NEW STATIONS -

				<u>Applies for:</u>	
NF	La Grand'Terre	96.1	NEW	250 w/-18 m; would relay CJRM-FM Labrador City	

**--- UNITED STATES AND TERRITORIES ---**

**FULL POWER and LPFM STATIONS**

**- CALL LETTER CHANGES -**

		Old Call	New Call							
AL	Hoover	105.5	WVVB	WERC-FM	NM	Gallup	89.9	NEW	KNIZ	
AR	Bismarck	93.5	NEW	KIXV	NY	Owego	91.9	NEW	WLJM [then . . .]	
CA	Los Angeles	97.1	KLSX	KAMP-FM	NY	Owego	91.9	WLJM	WHVM	
CA	Merino	94.5	KRGQ	KBNX	NJ	Port Republic	88.7	WGXM	WXXY-FM	
CO					NY	Portville	96.7	WFRM-FM	WLMY	
										[then . . .]
GA	Rochelle	93.1	NEW	WRPG	NY	Portville	96.7	WLMY	WBYB	
HI	Makaha	89.3	KIPO-1	KIPO-FM1	NC	Hendersonville	97.1	NEW	WICE-LP	
ID	Grangeville	90.9	NEW	KKAG	OH	Ashtabula	91.7	NEW	WLGO	
IL	Herrin	92.7	WVZA-FM	WTAO-FM	OH	Coshocton	89.5	NEW	WHVY	
IL	Murphysboro	105.1	WTAO-FM	WVZA-FM	OH	Willard	90.9	NEW	WSHB	
IL	South Elgin	88.5	NEW	WSEH	OH	Stillwater	88.3	NEW	KOSR	
IN	Alexandria	96.7	WHTI	WMQX	PA	Carbondale	91.3	WCIG	WFUZ	
IN	Ellettsville	89.9	WITE	WOMB	PA	Dallas	107.7	WGMF-FM	WCIG	
IN	Hartford City	93.5	WHTY	WMXQ	TX	Fort Stockton	88.3	NEW	KRAF	
IA	Bloomfield	106.9	KDMU	KOJY	TX	Lufkin	93.9	KBOG	KAGZ	
ME	Ellsworth	91.7	NEW	WRNM	WA	Glenoma	89.3	KBSG-FM	KRYA	
ME	Fryeburg	91.5	NEW	WFYB	WI	Green Bay	89.3	WPNE-FM	WPNE	
MA	Boston	98.5	WBMX	WBZ-FM	WI	Owen	90.1	NEW	WVCS	
MA	Rockport	91.5	NEW	WWRN	WY	Fort Washakie	90.9	NEW	KFTW	
MA	Stockbridge	91.9	WDMY	WHNM	WY	Hudson	102.9	NEW	KXWY	
MI	Beulah	92.3	WOUF	WBNZ	WY	Lingle	90.7	NEW	KUWV	
MI	Frankfort	99.3	WBNZ	WOUF	WY	Rozet	99.1	KWAP	KLSX	
MS	Long Beach	94.5	WJZD	WJZD-FM	WY	Shoshoni	97.1	NEW	KTWY	
MS	Pickens	105.9	WOAD-FM	WZNO	WY	Shoshoni	106.3	NEW	KWWY	
NV	Fallon	104.1	NEW	KZZD	WY	Sinclair	101.3	NEW	KXJW	

**- FORMAT AND SLOGAN CHANGES -**

AL	Eufaula	97.9	WRVX	Is silent
AL	Hoover	105.5	WVVB	> News/Talk // WERC-960 Birmingham; <i>Talk Radio 105 point 5</i>
AK	Huslia	98.1	KHUS	Signs on with a Variety/News format // KIYU-97.1
AK	Kaltag	98.1	KALG	Signs on with a Variety/News format // KIYU-97.1
AK	Koyukuk	98.1	KOYU	Signs on with a Variety/News format // KIYU-97.1
AK	Nulato	99.1	KNUL	Signs on with a Variety/News format // KIYU-97.1
AK	Ruby	98.1	KRBY-FM	Signs on with a Variety/News format // KIYU-97.1
AZ	Globe	88.5	KLKA	> Contemporary Christian: <i>K-Love</i>
AR	Gosnell	93.9	KAMJ	> Urban AC: <i>K-Jam</i>
CA	Huron	98.3	KZLA	Is silent
CA	Los Angeles	97.1	KAMP	> CHR: <i>AMP Radio</i>
CA	Maricopa	94.9	KXTT	> Spanish Oldies: <i>La Mejor</i>
CA	Shafter	93.1	KKXX-FM	> Top 40: <i>Hot Hits 93 point 1</i>
CA	Taft	106.5	KEAL	> Regional Mexican: <i>Radio Lazer</i>
CA	Westwood	88.5	KJCQ	> Religious Teaching: <i>Calvary Radio Network</i>
CO	Lamar	93.5	KLMR-FM	> Classic Hits: <i>Sunny 93 point 5, Classic Hits</i>
CO	Pueblo	107.9	KDZA-FM	> Rock: <i>107 point 9, KDZA Rocks The Rockies</i>
FL	Miami Beach	94.9	WMGE	> Spanish CHR: <i>La Nueva Mega 94 point 9</i>
FL	Ormond-by-the-Sea	95.7	WHOG-FM	> Classic Rock: <i>The Hog, 95 point 7</i>
GA	Coosa	93.5	WSRM	> Contemporary Christian
GA	Hinesville-Savannah	92.3	WSGA	> Adult Contemporary: <i>92 point 3, The Point</i>
GA	Waycross	97.7	WWUF	> Classic Hits: <i>Classic Hits 97 point 7</i>
IL	Chicago	87.7	WLFM-LP	> Jazz: <i>Smooth Jazz, the L</i>
IL	Herrin	92.7	WTAO-FM	> Rock: <i>Rock 105</i>
IL	Murphysboro	105.1	WVZA	> Adult Contemporary: <i>92.7 V-Z-A</i>
IL	Springfield	107.9	WLJX-LP	Returns to the air with Religious Teaching
IN	Fishers	93.9	WRWM	> Top 40: <i>I-94</i>
IN	Fort Wayne	101.7	WLDE	> Classic Hits: <i>Fun 101</i>
IN	Zionsville	91.9	WITT	Returns to the air with a 'Variety' format

KS	Iola	101.5	KIKS	> Country: <i>Kix Country</i>
KY	Louisa	92.3	WZAQ	> Contemporary Christian: <i>92 point 3, The Highway</i>
KY	Shepardsville	105.1	WLRS	> Talk: <i>105 point 1 FM Talk</i>
MA	Boston	98.5	WBZ-FM	> Sports: <i>98 point 5, The Sports Hub</i>
MA	New Bedford	88.1	WFHL	> Portuguese Language
MI	Beulah	92.3	WBNZ	> Adult Contemporary: <i>Soft Rock 92 point 3</i>
MI	Cassopolis	97.1	WLWZ-LP	Is silent
MI	Frankfort	99.3	WOUF	> AC: <i>Classic Rock, 99 point 3, The Wolf, (possibly The Woof)</i>
MI	Grand Rapids	98.7	WFGR	> Classic Hits: <i>Classic Hits 98 point 7</i>
MI	Holland	96.1	WMAX-FM	> Sports: <i>ESPN 96 point 1</i>
MN	Blackduck	89.5	WYNJ	Signs on with a religion format // KOPJ-89.3
MN	Grants Pass	106.7	KCGP-LP	Returns to the air with Religious Teaching
MS	Marietta	96.3	WXWX	> Sports: <i>The Ticket</i>
MS	Pickens	105.9	WZNO	> ESPN sports: <i>105 point 9, The Zone</i>
MO	Halfway	99.1	KYOO-FM	> Country: <i>Real Country KYOO</i>
MO	Kansas City	102.1	KCKC	> Adult Contemporary: <i>102 point .1 Star and 102 Lite Rock At Work</i>
MO	Troy	100.7	KFNS-FM	> Classic Hits: <i>Westplex 100 point 7</i>
NV	Crystal	100.1	KFCP	Signs on with Classic Country // KHWG-750 Fallon: <i>The Mighty 7-50</i>
NV	Hawthorne	98.7	KAVB	Is silent
NH	Meredith	91.5	WANH	Signs on with Contemporary Christian // WVNH-91.1: <i>New Hampshire Gospel Radio</i>
NM	Belen	91.1	KQGC	Returns to the air with Southern Gospel: <i>God's Country</i>
NM	Los Lunas	106.3	KAGM	> Rhythmic Top 40: <i>Power 106</i>
NM	Roswell	91.7	KGCN	Signs on with Southern Gospel: <i>God's Country</i>
NY	Hancock	107.1	WBZX	Signs on with Classic Rock // WEZX-106.9 Scranton: <i>Rock 107</i>
NY	Herkimer	92.7	WXUR	> Rock: <i>92 point 7 The Drive</i>
NY	Portville	96.7	WBYB	> Country // WLMI-103.9: <i>Bob FM</i>
ND	Devils Lake	91.7	KPPD	Signs on with a News format // KCND-90.5: <i>Prairie Public Radio</i>
OH	North Baltimore	107.7	WPFX-FM	Returns to the air with Adult Contemporary // WQIO-93.7: <i>Eagle 93 point 7</i>
OH	Paintsville	88.3	WHWN	Signs on with Spanish AC: <i>La Nueva Mia 88 point 3</i>
OR	Garibaldi	105.5	KDEP	> Adult Contemporary: <i>Coast 105</i>
OR	Glide	92.5	KLBG-LP	> Religious Teaching
PA	Dallas	107.7	WCIG-FM	> Contemporary Christian: <i>Family Life Network</i>
PA	Greensburg	107.1	WGSM	> Classic Hits: <i>G-107</i>
SC	Branchville	105.3	WGFG	> Classic Rock: <i>Bad Dog 105</i>
SC	Cross Hill	94.1	WYOR	Is silent
SC	Winnsboro	93.9	WIGL	> Classic Rock: <i>Bad Dog 105 // WGFG-105.3</i>
SD	Sioux Falls	89.1	KAUR	Is silent
TN	Harrogate	91.3	WLMU	> CHR
TN	Maynardville	88.3	WDLF	> Contemporary Christian: <i>Life 88 point 3</i>
TN	Middleton-Corinth	100.7	WYDL	> CHR: <i>Wild 100 point 7</i>
TX	Farwell	92.3	KIJN-FM	Is silent
TX	Houston	90.1	KPFT	> News/Talk: <i>Radio for Peace</i>
TX	Hunt	99.9	KRZS	> Standards: <i>The Rose</i>
TX	Jasper	107.3	KJAS	> Adult Contemporary
TX	Kerrville	104.9	KWSP-LP	> Country: <i>The Cowboy</i>
TX	Palacios	99.7	KROY	Is silent
TX	Whitesboro	102.5	KMAD-FM	> Rock: <i>Mad Rock 102-5</i>
VA	Manassas	106.7	WJFK	> Sports: <i>106 point 7, The Fan</i>
WA	Pasco	93.7	KGSG	Is silent
WA	Spokane	90.3	KWRS	Is silent
WI	Middleton	106.3	WWQM	> Country: <i>Q-106</i>
WI	Trempealeau	105.5	WFBZ	> ESPN Sports: <i>ESPN Radio 105 point 5</i>
WV	Salem	105.7	WOBG-FM	> Sports/Classic Rock: <i>Sports Rock 105 point 7</i>
WY	Warren AFB	103.3	KRAN	Signs on with Classic Country: <i>103 point 3, The Range</i>
WY	Wheatland	107.5	KPAD	Signs on with Oldies // KMJY-99.5: <i>Cruisin' Oldies</i>

#### -TECHNICAL CHANGES -

##### - NOW ON THE AIR -

AL	Ashland	100.7	WCKF	1.7 kw/190 m, 33-19-14/85-51-39
AL	Hartford	93.7	WUSD	100 kw/260 m, 31-02-42/85-57-33; CL from Geneva
AK	Houston	94.7	KZND-FM	15 kw/265 m, 61-20-12/149-30-45
AK	Huslia	98.1	KHUS	100 w/-21 m, 64-44-20/155-28-48; Class D
AK	Kaltag	98.1	KALG	100 w/-77 m, 64-19-40/158-43-36; Class D
AK	Koyukuk	98.1	KOYU	100 w/-7 m, 64-52-58/157-42-10; Class D
AK	Nulato	99.1	KNUL	100 w/5 m, 64-43-59/158-06-25; Class D
AK	Ruby	98.1	KRBY-FM	100 w/-21 m, 64-44-20/155-28-48; Class D
CA	McFarland	104.3	KBQF	6 kw/100 m, 35-31-35/119-18-43; Class A
CO	Merino	94.5	KBNX	15 kw/124 m, 40-31-57/103-07-22; CL from Yuma
CO	Rye	91.1	KRWA	130 w/35 m, 37-56-40/104-59-56; FC from 90.9; Class A from C3
FL	Clearwater	97.9	WXTB	100 kw/458 m, 28-10-56/82-46-06
FL	Key West	88.3	WKZG	2 kw/31 m, 24-34-20/81-44-25
GA	Augusta	105.7	WEKL	100 kw/371 m, 33-25-17/81-50-19
GA	Evans	92.3	WAEG	6 kw/100 m, 33-35-25/82-13-53; Class A
HI	Nanakuli	106.7	KNAN	25 kw/-7 m, 21-18-46/158-05-51
ID	Rupert	101.7	KUMC-LP	100 w/24 m, 42-37-04/113-40-41; FC from 93.3
IL	Bluford	90.9	WVYN	4.5 kw/45 m, 38-20-05/88-35-33; Class A
IL	Greenville	101.7	WGEL	6 kw/90 m, (to) DA, 38-48-11/89-20-56
IL	Rockton	103.1	WGFB	2.4 kw/160 m, 42-22-02/89-05-13
IN	West Lafayette	101.3	WBAA-FM	14 kw/120 m, 40-17-50/86-54-05
IN	Terre Haute	91.9	WHOJ	1.5 kw/14 m, 39-28-05/87-23-59
KS	Carbondale	107.7	KMAJ-FM	53 kw/235 m, 38-57-15/95-54-43
KS	Hayes	91.7	KZAN	7.5 kw/114 m, 38-57-29/99-21-07; Class C3 from A
KS	Shawnee	94.9	KCMO-FM	100 kw/341 m, 35-09-26/94-28-18; CL from Kansas City

MA	Stockbridge	91.9	WDMY	1.7 kw/-17 m, DA, 42-17-55/73-17-28
MA	Waltham	102.5	WKLB-FM	14 kw/276 m, 42-18-37/71-14-14
MI	Muskegon	103.7	WUVS-LP	100 w (adds V)/26 m, 43-14-21/86-15-06
MI	Negaunee	101.9	WKQS-FM	13 kw/286 m, 46-36-14/87-37-15
MI	Palmer	98.3	WRUP	2.6 kw/310 m, 46-36-14/87-37-15; Class C3 from C2
MN	Blackduck	89.5	WYNJ	800 w/100 m, 47-44-21/94-41-10; Class A
MN	Blue Earth	104.5	KJLY	50 kw/150 m, 43-54-38/94-03-09
MS	Friars Point	98.7	WNEV	6 kw/100 m, 34-21-56/90-38-14; Class A
MO	Bloomfield	91.5	KAIA	49 kw-V (drops H)/127 m, (to) DA, 36-40-31/86-46-19; CL from Blytheville, Arkansas; Class C2 from A
NE	Lincoln	88.5	KLCV	46 kw (adds H)/383 m, DA, 40-47-10/96-23-10
NV	Crystal	100.1	KFCP	1.2 kw-H/232 m, DA, 36-27-45/116-03-33; Class A
NV	Fernley	107.3	KEHD	100 kw-H/228 m, 39-54-23/118-55-32; Class C1
NH	Meredith	91.5	WANH	1.7 kw/24 m, DA, 43-41-25/71-22-34
NM	Belen	91.1	KQGC	7 kw-H/49 m, 34-23-44/107-00-42; Class C3 from A
NM	Hobbs	96.5	KLMA	100 kw/115 m, 32-28-05/103-09-27
NM	Roswell	90.1	KRLU	2.4 kw-V/120 m, 33-21-47/104-38-11; Class A
NM	Roswell	91.7	KGCN	3.5 kw-V/120 m, 33-21-47/104-38-11; Class A
NM	Santa Fe	90.7	KQLV	20 kw/1261 m, 35-12-50/106-27-01; Class C
NY	Gloversville	90.9	WNGG	1.5 kw-V/164 m, DA, 43-06-09/74-22-17
NY	Hancock	107.1	WBZX	2.1 kw/34 m, 41-57-43/75-16-17; Class A
NC	Greensboro	103.1	WUAG	18 w/79 m, 36-03-51/79-48-37
ND	Devils Lake	91.7	KPPD	24 kw/214 m, 48-03-48/99-20-09; Class C2
OH	Painesville	88.3	WHWN	700 w/44 m, 41-42-17/ 81-14-34; Class A
OK	Mustang	99.7	KZLS	25 kw/100 m, 35-18-17/97-41-09
OK	Piedmont	88.5	KZTH	50 kw/182 m, 35-31-17/98-09-33
OK	Poteau	107.7	KOMS	100 kw/577 m, 34-57-47/94-22-31
OR	Newport	92.7	KNCU	66 kw/303 m, 44-45-22/124-02-57; Class C1 from C3
PA	Chocolay Township	94.9	WUPZ	58 kw/139 m, 46-30-52/87-28-37; CL from Crystal Falls
PA	Wyomissing	91.9	WYTL	450 w/166 m, DA, 40-11-09/75-57-15; FC from 91.7
SC	Elloree	92.9	WLRE-LP	65 w-H (drops V)/37 m, 33-29-14/80-32-54; FC from 105.5
SC	Isle of Palms	95.9	WIOP	50 kw/107 m, 32-49-27/80-00-10; FC from 95.7; Class C2 from C3
TN	White Pine	92.9	WNPC-FM	3.1 kw/123 m, 35-59-52/83-13-14; CL from Newport
TX	Hamlin	103.7	KCDD	100 kw/453 m, 32-43-31/100-04-19; Class C from C0
TX	Sulphur Bluff	99.7	KYZQ	6 kw/73 m, 33-19-50/95-18-56
UT	St. George	91.3	KXDS	360 w/568 m, DA, 36-50-49/113-29-28
WA	Pasco	93.7	KGSG	450 w/361 m, 46-06-15/119-07-48 [station is silent]
WI	Rhineland	97.3	WHDG	100 kw/168 m, 45-22-50/89-11-22; FC from 97.5
WI	Whiting	96.7	WLJY	26.5 kw/207 m, 44-38-39/89-51-12
WY	Hudson	105.7	KTUG	3 kw/403 m, 42-34-43/108-42-46; FC from 105.1; Class C2
WY	Kaycee	97.7	KCYA	51 kw-H/-3 m, DA, 43-43-12/106-39-02; Class C1
WY	Laramie	102.9	KARS-FM	72 kw/248 m, 40-52-37/105-41-44
WY	Shoshoni	106.3	KWWY	2.2 kw/606 m, DA, 43-26-16/107-59-46; Class C1
WY	Warren AFB	103.3	KRAN	37 kw/78 m, DA, 41-09-34/104-43-19; Class C2
WY	Wheatland	107.5	KPAD	530 w/333 m, 41-49-00/105-03-48

- TECHNICAL CHANGES -

- FCC ACTIONS -

CP GRANTED FOR:

AL	Brewton	90.9	WELJ	100 kw/153 m, XL to 31-07-09/87-16-05
AZ	Claypool	97.3	KIKO-FM	6 kw/-85 m, 33-24-23/110-48-18; FC from 106.1
CA	Cartago	94.5	KWTY	25 kw (adds H)/-273 m, XL to 36-11-35/118-00-31; Class B1 from A
CA	Dunsmuir	100.1	KZRO	14 kw/630 m, XL to 40-54-23/121-49-39; Class C1 from C3
CA	Lodi	101.5	KSTG-LP	100 w/28 m, 38-07-08/121-15-39
CA	Moss Beach	89.3	KLSI	43 w/498 m, DA, 37/33/44/122-28-46
CO	Dove Creek	91.1	NEW	CP Mod: 18 kw/976 m, DA, 37-50-04/109-28-00; Class C
FL	Hammocks	91.9	WMKL	CP Mod: 18.5 kw/116 m, XL to 25-45-40/80-49-12; FC from 91.7; CL from Key West; Class C3 from C2
GA	Atlanta	90.1	WABE	100 kw/334 m, DA, 33-45-33/84-20-05; Class C0 from C1
GA	Lumpkin	90.1	WXIV	CP Mod: 18 kw/100 m, DA, 32-01-16/84-38-03; Class C3
ID	Rexburg	89.9	KMRR	CP Mod: 100 kw-V/95 m, DA, 43-51-08/111-21-39; Class C1
IL	Dorsey	89.5	WARW	1.5 kw/97 m, DA, 39-00-44/89-57-13
IL	Thomasboro	103.3	WKZS	5.2 kw/107 m, (to) DA, XL to 40-09-12/88-06-56 (tower of WBGL-91.7); FC from 103.1; CL from Covington, IN
IN	Liberty	89.7	WKWH	CP Mod: 110 w-V/11 m, 39-40-30/84-554-54; Class A
IN	Terre Haute	91.9	WHOJ	1.5 kw/14 m, 39-28-05/87-23-59
IN	Plymouth	89.3	WIKV	42.5 kw/81 m, (to) DA, XL to 41-19-13/86-16-25; Class A to B
KS	Hayes	89.7	KHYS	450 w/87 m, 38-51-16/99-22-53
KS	Oberlin	91.3	KRLE	270 w/35 m, 39-48-11/100-31-43
KY	Frankfort	104.9	WFKY	3.4 kw/86 m, XL to 38-13-19/84-54-54
KY	Lexington	88.1	WRFL	7.9 kw/87 m, (to) DA, 38-02-19/84-30-16; Class C3 from A
ME	Oakland	88.9	WMDR-FM	CP Mod: 10 w-H//50 kw-V/391 m, (to) DA, XL to 44-14-58/70-25-25; Class C1 from A
MP	Garapan-Saipan	101.1	KCNM-FM	4.1 kw/485 m, N15-11-00/E145-44-06; Class C1 from C3
MD	Worton	90.5	WKHS	17.5 kw (adds V)/66 m, 39-16-55/76-05-26
MI	Wyoming	88.1	WYCE	1 w-H//10 kw-V (adds H)/50 m, DA, 42-54-43/85-41-00
MS	Greenwood	103.3	WBZL	CP Mod: 25 kw/79 m, 33-31-12/90-08-28; Class C3
MS	Meridian	91.7	WSQH	CP Mod: 18 kw/145 m, DA, 32-23-57/89-05-02; CL from Forest
MS	Mississippi State	89.9	WMAB-FM	64.3 kw (adds H)/324 m, 33-21-14/89-09-00
MO	Springfield	88.3	KWND	CP Mod: 40 kw/193 m, (to) DA, 37-10-30/93-02-35; Class C1 from C3
NE	Valentine	90.7	KMBV	100 kw/132 m, 42-33-12/100-32-01; XL to 42-33-12/100-32-01; Class A to C1
NV	Las Vegas	91.1	KVKL	CP Mod: 40.8 kw (adds H)/325 m, (to) DA, XL to 35-37-41/115-16-24; Class C1 from C3

NJ	Asbury Park	88.1	WYGG	CP Mod: 920 w/34 m, (to) DA, XL to 40-13-02/74-00-38
NJ	Avalon	94.3	WILW	6 kw/91 m, XL to 39-13-45/74-40-54
NM	Church Rock	103.7	KYVA-FM	100 kw/420 m, XL to 35-36-22/108-41-26
NM	Farmington	95.7	KPCL	CP Mod: 49 kw/317 m, XL to 36-48-53/107-53-31
NM	Gallup	93.7	KXXI	100 kw/420 m, 35-36-22/108-41-26
NM	Gallup	94.5	KKOR	85 kw/420 m, 35-36-22/108-41-26
NM	Grants	90.3	KLGG	CP Mod: 20 kw/414 m, XL to 35-10-57/107-36-13; Class C1 from C2
NY	Portville	96.7	WBYB	460 w/155 m, 42-03-04/78-25-11; CL from Coudersport, Pennsylvania
NY	Rochester	88.5	WRUR-FM	CP Mod: 18 kw/109 m, (to) DA, XL to 43-08-07/77-35-03; Class B1 from A
NY	Schuyler Falls	90.9	WOXR	2.7 kw/327 m, 44-34-24/73-40-32
NC	Carrboro	97.5	WQOK	CP Mod: 50 kw/146 m, ; CL from South Boston, Virginia; Class C2 from C1
NC	New Bern	88.5	WZNB	CP Mod: 100 kw/116 m, 35-06-32/77-06-10; FC from 88.1; Class C1 from A
ND	Hettinger	102.3	KNDH	CP Mod: 100 kw/292 m, 46-09-13/102-46-24; FC from 93.5; Class C1
OH	Marion	91.9	WXMF	CP Mod: 5 kw/103 m, DA, 40-36-51/83-12-56
OK	Broken Arrow	90.5	KNYD	CP Mod: 100 kw/452 m, DA, XL to 35-53-00/95-46-13
OK	Lawton	90.3	KVRS	CP Mod: 9.8 kw-V/80 m, (to) DA, XL to 34-31-48/98-33-09; Class C3 from A
OR	Athena	100.7	KHSS	CP Mod: 8 kw/365 m, XL to 45-59-23/118-10-31; CL from Walla Walla, Washington
OR	Canyonville	92.1	KMKR	CP Mod: 06 kw/-209 m, XL to 42-55-42/123-17-05; CL from Oakridge
OR	Eugene	91.9	KRVM-FM	CP Mod: 15 kw-H//6.4 kw-V/276 m, 44-00-07/123-06-47; Class C2 from A
PA	Jersey Shore	96.3	WJSA-FM	2.65 kw/306 m, (to) DA, XL to 41-13-45/77-22-02
PA	Milroy	88.7	WRVY	CP Mod: 2.2 kw/265 m, DA, DA, 40-35-10/77-41-40; Class B1
PA	Wilkes-Barre	90.7	WCLH	CP Mod: 205 w/296 m, 41-11-11/75-51-33; Class A
SD	Watertown	89.1	KJBB	CP Mod: 26 kw-V/262 m, XL to 45-06-17/96-59-17; Class C1 from A
TX	Brenham	94.1	KLTR	50 kw/150 m, XL to 30-23-31/96-20-15; Class C2 from C3
TX	Caldwell	91.9	KALD	CP Mod: 12.5 kw/93 m, 30-33-45/96-46-50; Class C3
TX	Eldorado	104.9	KLDE	50 kw/85 m, 30-51-55/100-35-36; Class C2 from A
TX	Lake Jackson	91.1	KYBJ	15.8 kw/115 m, DA, XL to 29-19-27/94-47-08; CL from Galveston
TX	Meridian	95.3	KOME-FM	CP Mod: 5.4 kw/79 m, 31-53-31/97-41-36; Class A
TX	Mason	97.7	KYRT	CP Mod: 2.4 kw/160 m, 30-42-03/99-13-59; FC from 99.7; Class A
TX	Palacios	99.7	KROY	100 kw/145 m, XL to 28-42-02/96-13-01; Class C1 from C2
TX	Stratford	91.7	KLXN	CP Mod: 100 w-H/46 m, 36-19-53/102-04-51; FC from 91.1
UT	Hurricane	98.9	KBZB	CP Mod: 15.5 kw/595 m, XL to 36-50-49/113-29-28; CL from Pioche, Nevada
VT	Westminster	101.9	WKKN	3.9 kw/124 m, (drops DA), XL to 43-08-14/72-25-59
WY	Gillette	99.9	KGCC	100 kw/114 m, XL to 44-17-33/105-26-10; FC from 103.9; Class C1 from C2
WY	Rozet	99.1	KLSX	CP Mod: 25 kw/ 96 m, 44-17-33/105-26-10; Class C3
WY	Shoshoni	97.1	KTWY	CP Mod: 2.2 kw/606 m, (to) DA, XL to 43-26-16/107-59-46; Class C1
WY	Sleepy Hollow	105.3	KQOL	CP Mod: 100 kw/114 m, 44-17-33/105-26-10; Class C1

**- TECHNICAL CHANGES -**

**- AUXILIARY FACILITIES -**

**AUX LICENSE ISSUED FOR:**

CO	Denver	103.5	KRFX	23 kw/345 m, DA, 40-05-47/104-54-04
FL	Clearwater	97.9	WXTB	100 kw/358 m, 28-10-56/82-46-06
FL	New Port Richey	105.5	WDUV	47 kw/358 m, 28-10-56/82-46-06
GA	Omega	107.5	WTIF-FM	450 w/40 m, 31-27-27/83-31-09
FL	Venice	92.1	WLTQ-FM	9.2 kw/80 m, 27-09-03/82-27-51
LA	New Orleans	101.1	WNOE-FM	10 kw/192 m, 29-58-27/89-57-09
MD	Baltimore	104.3	WCHH	29 kw/145 m, DA, 39-25-45/76-27-01
MA	Lawrence	93.7	WMKK	40 kw/164 m, 42-31-53/70-59-12
MI	Ann Arbor	102.9	WWWW-FM	28 kw/120 m, DA, 42-18-03/83-38-28
NY	Malone	96.5	WVNV	1.5 kw/39 m, 44-50-46/74-16-07
NY	New York	96.3	WQXR-FM	26 kw/206 m, DA, XL to 40-47-15/74-15-18
PA	Ellwood City	92.1	WKPL	2.6 kw/122 m, 40-46-10/80-16-56
VA	Lakeside	100.9	WDYL	5.5 kw/105 m, 37-37-17/77-22-14

**- TECHNICAL CHANGES -**

**- GRANTS FOR NEW STATIONS -**

**CP GRANTED FOR:**

AK	Sutton	89.5	NEW	CP Mod: 360 w/-435 m, 61-44-18/148-54-27; Class A [State correction from last issue]
CA	Needles	90.7	NEW	1 kw/-67 m, 34-54-47/114-38-42; Class A
GA	Thomson	91.5	NEW	12 kw/79 m, DA, 33-33-40/82-46-15; Class C3
ID	Ponderay	88.5	NEW	890 w-V/840 m, DA, 48-36-47/116-15-24; Class C2
ME	Ellsworth	91.7	WRNM	2 kw/58 m, DA, 44-32-31/68-25-58; Class A
ME	Fryeburg	91.5	WFYB	430 w/387 m, DA, 44-02-51/70-49-19; Class C3
MA	Rockport	91.5	WWRN	800 w/87 m, DA, 42-34-28/70-39-15; Class A
OK	Covington	88.3	NEW	700 w-V/39 m, 36-18-33/97-34-58; Class A
OK	Stillwater	88.3	KOSR	1.2 kw/34 m, 36-07-47/97-05-43; Class A
SC	Due West	95.3	NEW	6 kw/100 m, 34-18-34/82-25-30; Class A
TX	Fredericksburg	91.1	NEW	320 w/139 m, DA, 30-21-51/98-54-49; Class A
TX	Sulphur Springs	91.9	NEW	1 kw/25 m, 33-09-34/95-34-27; Class A
VA	Gloucester Courthouse	89.9	NEW	450 w-V/90 m, 37-24-36/76-32-52; Class A
VA	Tappahannock	89.9	NEW	3.2 kw-V/65 m, DA, 37-52-27/76-43-37; Class A
WY	Cody	89.1	NEW	18.5 kw/547 m, DA, 44-29-46/109-09-09; Class C1
WY	Powell	88.1	NEW	600 w/481 m, 44-35-07/108-51-01; Class C3

**- TECHNICAL CHANGES -**

**- APPLICATIONS FROM EXISTING/PROPOSED FACILITIES -**

**Applies for:**

AK	Kodiak	100.1	KMXT	CP Mod: 275 w/311 m, XL to 57-47-23/152-25-56
AZ	Bisbee	90.1	KRMB	115 w/673 m, XL to 31-28-55/109-57-31
AZ	Globe	94.1	KRDE	APP Mod: 4.7 kw/1039 m, 33-17-37/110-50-09; CL to San Carlos; Class C2 to C1
AZ	Safford	94.3	KXKQ	APP Mod: 1.7 kw/671 m, XL to 32-53-23/109-19-26; FC to 94.5
AR	North Little Rock	101.1	KWBF-FM	APP Mod: 900 w/255 m, (to) DA, XL to 34-47-56/92-29-44; CL to Cammack Village
AR	Marvell	90.7	KLMK	APP Mod: 50 kw/148 m, DA, XL to 34-37-20/90-58-44; Class C1 to C2
CA	Bakersfield	101.7	KGFM	APP Mod: 19.5 kw/213 m, XL to 35-31-35/119-18-43; CL to Wasco via Edison; Class B to B1
CA	Carpenteria	101.5	KSBL	APP Mod: 16.5 kw/262 m, XL to 32-25-21/119-02-03; CL to Ojai
CA	Kernville	89.3	NEW	APP Mod: 500 w/-76 m, (to) DA, 35-42-15/118-25-10
CA	Livingston	88.3	KLVN	7.5 kw/105 m, 37-36-31/120-39-02
CA	Ojai	105.5	KFYV	320 w/430 m, XL to 34-22-20/119-25-13; CL to Carpenteria
FL	Ebro	95.1	WBPC	CP Mod: 15.5 kw/91 m, XL to 30-22-02/85-55-28
FL	Lake City	88.7	NEW	APP Mod: 3 kw/91 m, 30-13-59/82-48-17; Class A
FL	Sanibel	93.7	WTLT	CP Mod: 43 kw/145 m, 26-30-18/81-51-14; CL from Naples; Class C2 from C3
GA	Hazelhurst	93.5	WVOH-FM	APP Mod: 40 kw/150 m, XL to 31-38-46/82-44-06; CL to Nicholls
GA	Moultrie	91.3	NEW	APP Mod: 5.5 kw-V/100 m, DA, 31-12-54/83-47-13; Class A
GA	Patterson	88.1	WNEE	APP Mod: 17 kw-V (would drop H)/47m, XL to 33-59-14/83-20-17; Class C3
GA	Peachtree City	91.7	WMVW	CP Mod: 5 kw/129 m, DA, XL to 33-17-16/84-35-07; Class C3
GA	Roswell	107.5	WAMJ	CP Mod: 34 kw/181 m, (to) DA, XL to 33-55-01/84-12-06
GA	Winder	89.5	WYFW	6 kw/61 m, XL to 33-59-29/83-45-46
IL	Okawville	102.1	WIBV	CP Mod: 9.7 kw/160 m, 38-21-52/89-20-57; CL from Mount Vernon
IL	Woodlawn	106.9	WDML	6 kw/100 m, 38-21-28/89-05-55
IN	Danville	88.1	WDVL	CP Mod: 8.5 kw/119 m, XL to 40-09-00/86-54-14; CL to Waynetown; Class A to B1
IN	Hope	102.9	WXCH	3.3 kw (would add V)/138 m, (to) DA, XL to 39-13-35/85-44-47
IA	Treynor	95.3	KCSI	APP Mod: 50 kw/111 m, XL to 41-01-35/95-12-05; CL to Villisca via Red Oak
KS	Columbus	105.3	KMOQ	13.6 kw/93 m, XL to 37-07-34/94-42-12
KS	Hugoton	106.7	KFFX-FM	100 kw/78 m, 37-18-57/101-20-16; Class C1 from C2
KY	Louisville	100.5	WLUE	37 kw/169 m, XL to 38-11-31/85-31-21
KY	Paducah	91.7	WNFC	CP Mod: 12.5 kw/81 m, DA, XL to 37-03-41/88-50-26; Class C3
KY	Richwood	107.9	WRHX-LP	37 w/48 m, XL to 38-51-20/84-37-32; CL to Independence
KY	Walton	97.7	WZFR-LP	61 kw/38 m, XL to 38-51-20/84-37-32
ME	Dover-Foxcroft	103.1	WDME-FM	1.5 kw/204 m, XL to 45-05-37/69-05-00
MP	Garapan-Saipan	89.9	KORU	CP Mod: 1.8 kw/455 m, <a href="#">N15-11-06/E145-44-30</a>
MA	Brockton	97.7	WKAF	2.05 kw/173 m, (to) DA, XL to 42-12-42/71-06-51
MA	Lawrence	93.7	WMKK	34 kw/178 m, XL to 42-31-53/70-59-12
MA	Worcester	90.5	WICN	CP Mod: 1.1 kw/247 m, DA, XL to 42-18-11/71-53-52
MI	Beulah	92.3	WBNZ	50 kw/136 m, DA, 44-36-48/86-09-38; CL to Frankfort
MI	Frankfort	99.3	WOUF	50 kw-H/150 m, 44-36-38/86-09-38; CL to Beulah
MI	Harrisville	89.7	WJOJ	CP Mod: 1 w-H//31 kw-V/167 m, 44-42-12/83-31-27
MS	Bentonla	92.1	WJNS-FM	CP Mod: 4.8 kw/111 m, XL to 32-33-25/90-20-14; CL from Yazoo City; Class A from C3 [station is silent]
MO	Grandin	104.5	NEW	APP Mod: 6 kw/100 m, 36-49-04/90-43-12
MO	Moberly	88.7	KSDQ	CP Mod: 24 kw-V/55 m, DA, 39-15-11/92-12-42
MT	Eureka	93.5	KZXT	CP Mod: 1.1 kw/785 m, XL to 48-30-22/114-20-49; FC to 93.9; CL to Hungry Horse
MT	Polson	90.7	KMBM	CP Mod: 1.9 kw-V (would drop H)/44 m, 47-40-37/114-08-33
NE	Valley	95.1	KRKR	APP Mod: 50 kw/84 m, XL to ; XL to 40-58-48/96-41-46; CL to Waverly via Lincoln
NV	Mesquite	91.1	KAIZ	50 kw-V (would drop H)/89 m, (to) DA, XL to 40-41-19/87-03-36; FC to 88.9; CL to Fowler; Class A to B
NJ	Point Pleasant	95.9	WRAT	CP Mod: 1.45 kw/145 m, XL to 40-10-15/74-01-42
MO	Farmington	98.5	KTJJ	APP Mod: 100 kw/453 m, XL to 37-43-16/90-32-57
NM	Hurley	105.5	KSIL	APP Mod: 2.25 kw/165 m, 32-41-44/107-03-51; CL to Rincon
NM	Des Moines	105.3	KHOD	CP Mod: 2 kw/10 m, XL to 36-54-10/104-26-23; CL to Raton; Class C to Class A
NC	Chapel Hill	89.3	WXYC	CP Mod: 1.1 kw/147 m, DA, 35-51-59/79-10-00
NC	La Grange	104.7	WZUP	50 kw/142 m, XL to 35-06-23/77-42-20; Class C2 from C3
OH	Cedarville	90.3	WCDR-FM	APP Mod: 3 kw-H//45 kw-V/109 m, (change in) DA, 39-45-46/83-52-59
OH	Delhi Hills	90.1	WORI	15 kw/102 m, DA, 39-13-34/84-42-59; CL to Harrison
OH	Harrison	104.3	WNLT	2 kw/175 m, XL to 39-06-18/84-33-25; CL to Delhi Hills
NY	Liberty	88.1	WGWR	CP Mod: 350 w/246 m, DA, XL to 41-48-16/74-47-07
NY	Little Valley	105.9	NEW	CP Mod: 7.3 kw/183 m, 42-13-58/78-47-47; Class B1
NY	Rochester	104.7	WIRQ	19 w/35 m, 43-12-59/77-35-51; FC to 90.9
NY	Roxbury	91.3	WIOX	CP Mod: 3.25 kw/-183 m, XL to 42-16-13/74-34-16
NC	Chadbourn	89.9	NEW	APP Mod: 25 kw-V/113 m, DA, XL to 34-32-17/78-42-36; Class C1 to C2
NC	Hendersonville	97.1	NEW-LP	CP Mod: 12 w/105 m, XL to 35-16-35/82-23-57
NC	Pine Knoll Shores	92.7	WBNK	21.9 kw/228 m, 34-53-00/76-30-21
OK	Mustang	99.7	KZLS	35 kw/150 m, XL to 36-25-44/97-46-00; Class C3 to C2
NC	Franklin	96.7	WNCC-FM	APP Mod: 200 w (would add H)/421 m, 35-15-56/83-19-03; FC to 104.1
OK	Sayre	101.7	NEW	CP Mod: 50 kw/150 m, 35-22-13/99-37-40; Class C2
OR	McMinnville	90.3	KSLC	CP Mod: 750 w/102 m, (to) DA, XL to 45-09-28/123-17-22
OK	Mustang	99.7	KZLS	35 kw/150 m, XL to 35-25-44/97-46-00
OR	Newport	102.7	KYTE	36.5 kw/648 m, XL to 48-47-50/124-02-47; Class C1 from C0
SC	St. Stephen	106.1	WTUA	APP Mod: 6 kw/68 m, 33-10-26/80-00-46; FC to 105.9; CL to Pinopolis, South Carolina
SD	Newell	107.9	KXZT	90 kw-V/449 m, 44-19-40/103-25-13; Class C2 to C0
TN	Clinton	89.9	WDVX	200 w (would add H)/597 m, 36-11-53/84-13-51
TX	Hunt	99.9	KRZS	APP Mod: 4.4 kw/206 m, XL to 30-08-51/99-13-14
TX	New Boston	105.1	KTTY	5.5 kw/101 m, 33-28-00/94-27-48
UT	St. George	106.1	KSNN	92 kw/623 m, (to) DA, XL to 36-50-55/114-28-23; CL to Logandale; Class C0 to C



VT	St. Johnsbury	88.5	WVPA	850 w (would add H)/569 m, (to) DA), 44-34-15/71-53-38; Class C3 to C2
WA	Kennewick	88.1	KTCV	CP Mod: 3.5 kw-V (would drop H)/-28 m, (would drop CP for) DA, XL to 46-13-07/119-12-01
WA	Oakville	97.7	KOMO-FM	63 kw/728 m, (adjustment to) DA (pattern), 47-18-46/123-22-15
WV	Lost Creek	96.3	WOTR	3.7 kw (would add V)/127 m, XL to 39-04-15/80-31-14; CL to Weston
WY	Cody	89.1	NEW	APP Mod: 18.5 kw/547 m, DA, XL to 44-29-46/109-09-09; Class C1
WY	Evanston	88.3	KCWW	285 w/411 m, 41-21-10/110-54-29; Class A to C3

**- APPLICATIONS FOR NEW STATIONS -**

Applies for:

FL	Hog Valley	91.5	NEW	400 w/26 m, DA, 29-30-16/81-57-20; Class A
FL	Penney Farms	91.5	NEW	1.7 kw/88 m, DA, 29-51-23/81-55-56; Class A
ME	Bowdoin	88.1	NEW	100 w-H//50 kw-V/39 m, DA, 44-06-30/69-55-27; Class A
TX	Snyder	89.9	NEW	1 kw/65 m, 32-42-26/101-00-11; Class A

**- APPLICATIONS FOR RECONSIDERATION -**

Application for:

AZ	Yuma	88.9	KAWC-FM	APP for 1.5 kw/363 m; Class A to C3
IN	Morgantown	90.9	WCJL	APP for 15.5 kw/58 m, DA, 39-19-17/86-31-08; CL to Paragon
NM	Des Moines	105.3	KHOD	CP Mod: 2 kw/10 m, 36-54-10/104-26-23; CL to Raton; Class C to A
OR	Glide	92.5	KLBG-LP	CP for: 93 w/31 m, XL to 43-19-07/123-10-42; FC from 92.3

**TRANSLATORS and BOOSTER STATIONS**

--CALL LETTER CHANGES--

		<u>Old Call</u>	<u>New Call</u>						
AL	Demopolis	104.1	W278AQ	W281AZ	NV	Olinghouse	107.3	KEHD-1	KEHD-FM1
AL	Athens	101.5	W264AV	W268BM	NY	Ithaca	98.7	W252AA	W254BF
CO	Trinidad	104.1	K278AO	K281BI	NY	Jamestown	100.3	W256BA	W259BB (CP)
FL	Palm Coast	97.7	W247AJ	W249CH	NY	Olean	98.7	W257CJ	W254BQ
GA	Buford	89.7	W212CH	W209CD	NY	Pottersville	91.1	W214AX	W216CG
GA	Nashville	102.9	NEW	W275AY	NC	Charlotte	103.3	W223BM	W277CB
GA	Tallapoosa	88.9	W207CA	W205CI	NC	Charlotte	104.3	W228CE	W282BP
GA	Tallapoosa	89.7	W212CI	W209CG	OR	Reedsport	101.9	K269FO	K270BJ
IL	Kewanee	102.1	W270AZ	W271BL	SC	Charleston	90.3	W261AJ	W212CJ
IL	Kewanee	104.5	W282AL	W283BM	SC	Orangeburg	96.1	W243AG	W241BI
IL	Markham	102.9	W272BU	W275BM	SD	Sturgis	92.7	K277BI	K224DS
	[CL correction from last issue]				SD	Sturgis	96.9	K244EA	K245BD
IA	Iowa Falls	91.3	K217FU	K217FT	TN	Chattanooga	106.9	W227AK	W295BI
IA	Spencer	98.3	K254BG	K252EX	TN	Union City	107.9	W299AN	W300BY
KY	Hazard	102.5	W270BA	W273BV	TN	Woodbury	96.7	W241BH	W244CJ
KY	Paducah	93.9	W229AZ	W230BN	TX	Alice	89.9	K263AY	K210EJ
MA	Amherst	94.3	W229BI	W232BW	TX	Lackland City	105.9	K222BS	K290BO
MA	Gloucester	95.3	W243CD	W237DL [then]	TX	San Angelo	101.5	K215BH	K268BV
MA	Gloucester	95.1	W237DL	W236BX	VT	Montpelier	106.3	W289AW	W292DS
MN	St. Peter	93.5	K230AR	K228XN	VA	Fredericksburg	99.5	W255CE	W258BR
MS	Gulfport	89.7	W262BW	W209CF	WA	Aberdeen	92.7	K223AV	K224DR
MO	Joplin	89.1	K207BT	K206DZ	WA	Ocean Shores	107.3	K243BA	K297AY
MT	Polson	101.1	K212DV	K266BI	WA	Omak	92.1	K219DQ	K221FK
NE	Hastings	93.3	K229AZ	K227BQ	WV	Beckley	96.7	NEW	W242BD (APP)
NV	Charleston Park	94.9	K288FN	K235BU	WI	Baraboo	99.9	W263BU	W260BY
NV	Las Vegas	101.5	K265EK	K268BU [then]	WY	Greybull	91.5	K216BH	K218ES
NV	Las Vegas	101.9	K268BU	K270BM	WY	Rock Springs	88.9	K204EC	K205FE

**-TECHNICAL CHANGES -**

- NOW ON THE AIR -

(antenna heights are AGL)

AL	Auburn	91.9	W220ED	90 w-V/11 m; CL from Notasulga
AL	Enterprise	106.3	W292CY	170 w-V/11 m [then they were granted . . .]
AL	Enterprise	105.3	W292CY	120 w-V/11 m; FC from 106.3
AL	Foley	92.5	W223AX	250 w/59 m; CL from Fairhope
CA	Bakersfield	95.7	K239BB	250 w/9 m; CL from Taft
CA	Barstow	93.5	K228CO	6 w/9 m
CO	Berthoud	102.7	K274BW	250 w/48 m, DA
CO	Estes Park	101.7	K269FR	84 w-V (drops H)/149 m, DA
CO	Meeker	91.7	K219AW	23 w (adds H)/12 m
FL	Palm Coast	97.7	W249CH	80 w/50 m; FC from 97.3
GA	Douglas	88.1	W201DJ	170 w/25 m
GA	Douglas	100.5	W263BR	170 w/25 m
GA	Tallapoosa	89.7	W209CG	33 w-V/24 m; FC from 90.3
GA	Union	96.3	W242BT	250 w-V (drops H)/15 m
HI	Kailua Kona	90.1	K211EU	10 w/ ; FC from 89.5
HI	Makaha	89.3	KIPO-FM1	400 w-V/10 m, DA
IL	Beardstown	93.5	W228BG	27 w/40 m; CL from Rushville
IL	Kewanee	102.1	W270AZ	50 w/64 m, (to) DA, fc from 101.9
IL	Markham	102.9	W275BM	90 w-V (drops H)/11 m; FC from 102.3; CL from Chapin
IL	Quincy	89.9	W210BW	5 w/92 m
IN	Edinburgh	102.5	W273AH	10 w/52 m; CL from Flat Rock
IA	Spencer	98.3	K252EX	250 w/30 m; FC from 98.7
KY	Hazard	102.5	W273BV	8 w/26 m; FC from 101.9
KY	Murray	99.3	W257CO	250 w-V/9 m, DA [see CPs below]
MA	Amherst	94.3	W232BW	250 w/27 m, DA; FC from 93.7
MA	Gloucester	95.1	W236BX	36 w-V/9 m; FC from 96.3
MN	St. Peter	93.5	K228XN	60 w/56 m; FC from 93.9
MS	Gulfport	89.7	W209CF	10 w/46 m; FC from 100.3; CL from Biloxi
MS	Raymond	90.7	W214BE	13 w-V/70 m, DA

MO	Joplin	89.1	K209DZ	250 w-V/76 m; FC from 89.3
MT	Polson	101.1	K266BI	75 w/23 m; FC from 90.3
NV	Gardnersville, etc	93.5	K228DA	250 w (adds H)/17 m
NV	Charleston Park	94.9	K235BU	100w-V/9 m, DA; FC from 105.5
NV	Las Vegas	101.5	K268BU	1 w-V (drops H)/9 m, DA; FC from 100.9 [then . . .]
NV	Las Vegas	101.9	K270BM	250 w/9 m; FC from 101.5
NH	Acworth	98.3	W252CE	10 w/4 m; CL from Alstead
NY	Brocton	98.3	W252CG	10 w-V/12 m, DA; CL from Nortons Switch
NY	Busti	99.7	W259BB	10 w-V/6 m, DA; FC from 99.1; CL from Jamestown
NY	Chateaugay	102.1	W271BH	10 w/15 m, DA
NY	Gardnerville, etc	93.5	K228DA	25 w/17 m
NY	Ithaca	98.7	W254BF	35 w (adds V)/84 m, DA; FC from 98.3
NY	Pottersville	91.1	W216CG	250 w/18 m; FC from 90.7
NY	Red Hook	99.1	W256BI	250 w (adds H)/58 m, DA
NC	Charlotte	103.3	W223BM	250 w/140 m; FC from 92.5; CL from Belmont
OK	Enid	100.1	K261DR	250 w-V/16 m
PA	Northampton	94.7	W234AX	19 w-H (drops V)/6 m
PA	Tyrone	100.7	W264BZ	238 w-V/24 m, DA
PR	Ponce	107.3	WCMN-FM3	10 kw/72 m
SC	Charleston	90.3	W212CJ	250 w-V/21 m; FC from 101.1
SC	Hollywood	99.3	W257BQ	250 w (adds H)/111 m; FC from 98.9
SC	Laurens	95.9	W240BO	27 w/187 m
SC	Orangeburg	96.1	W241BI	120 w/35 w; FC from 96.5
TN	Chattanooga	106.9	W295BI	130 w/27 m, DA; FC from 93.3
TN	Woodbury	96.7	W244CJ	10 w/55 m; FC from 96.1
TX	Alice	100.5	K263AY	2 w/91 m; FC from 100.3 [then . . .]
TX	Alice	89.9	K210EJ	20 w/91 m; FC from 100.5 [things change fast in the translator world!]
TX	San Angelo	101.5	K268BV	99 w/53 m; FC from 90.9
VT	Montpelier	106.3	W292DS	27 w/5 m; FC from 105.7; CL from Northfield
VA	Fredericksburg	99.5	W258BR	3 w-H/5 m, DA; FC from 98.9
WA	Aberdeen	92.7	K223AV	140 w/15 m, DA; FC from 92.5; CL from Woodlawn
WA	Ellensburg	88.5	K203EN	66 w-V/45 m, DA
WI	Baraboo	99.9	W259BC	85 w-V/9 m; FC from 99.7; CL from Mauston
WY	Greybull	91.5	K218ES	84 w-H/9 m, DA; FC from 91.1

- TECHNICAL CHANGES -  
- CONSTRUCTION PERMITS GRANTED -  
(antenna heights are AGL)

AL	Athens	101.1	W266BP	2 w/12 m; FC from 100.7
AL	Athens	101.5	W268BM	72 w/12 m
AL	Demopolis	104.1	W281AZ	75 w/91 m; FC from 103.5
AL	Gadsden	100.1	W261AW	50 w/9 m
AL	Tuscaloosa	105.3	W287BM	250w-V (drops H)/7 m
CA	Las Flores Canyon	104.7	KCAQ-FM5	500 w-V/38 m, DA
CA	Modesto	106.9	KEQP-LP	6 w (drops V)/113 m
CO	Mesa	89.9	K210CE	17 w (adds H)/14 m, DA
CO	Trinidad	104.1	K281BI	16 w/36 m; FC from 103.5
CT	Bolton	97.5	W248AB	60 w/81 m
GA	Dillard	97.7	W249CC	100 w/27 m; CL from Toccoa
GA	Tallapoosa	88.9	W205CI	16 w-V/8 m; FC from 89.3
IL	Kewanee	104.5	W282AL	250 w/61 m; FC from 104.3
IL	Le Roy	103.7	W279BN	100 w-V/6 m
IN	Vincennes	88.1	W201BO	13 w/79 m
IA	Waterloo	91.3	K217FT	140 w (adds H)/105 m; CL from Iowa Falls
KY	Murray	98.7	W257CO	120 w-V/9 m (drops DA); FC from W257CO-99.3
KY	Owensboro	91.3	W217BP	15 w/67 m; CL from Livermore
KY	Paducah	93.9	W230BN	250 w (adds H)/55 m; FC from 93.7
MI	Ludington	104.9	W285DY	19 w/55 m
MS	Ridgeland	99.1	W257CB	CP Mod: 250 w (adds H)/57 m; FC from 99.3
NE	Hastings	93.3	K227BQ	250 w (adds H)/51 m; FC from 93.7
NH	Newport	94.5	W233AY	CP Mod: 19 w/5 m; CL from Sunapee
NV	Pahrump	101.3	K267BH	100 w/9 m, DA
NJ	Parlin	91.9	W220AA	1 w (adds V)/61 m, (to) DA
NY	Cheektowaga	93.3	W227BW	1 w-V/176 m, (to) DA
NY	Jamestown	100.3	W259BB	30 w-V/6 m, DA; FC from 99.7; CL (returns) from Busti
NY	Olean	98.7	W254BQ	CP Mod: 250 w/59 m; FC from 99.3
NC	Charlotte	104.3	W282BP	250 w/76 m, DA; FC from 93.5
OR	Jacksonville	96.5	K243AF	CP Mod: 250 w-V (from H to V)/13 m, DA
PA	Carbondale	103.7	W279BK	8 w-V (drops H)/52 m, (to) DA
PA	Honesdale	104.3	W282BF	110 w/34 m
PA	Mehoopany	104.3	W282BK	140 w (adds H)/17 m, DA
PR	Patillas	101.1	W268BK	CP Mod: 12 w/30 m, DA
SD	Rapid City	106.7	K300AX	250 w/24 m; FC from 107.9
SD	Sturgis	92.7	K277BI	CP Mod: 200 w-H (H from V) ; FC from 103.3
TN	Rural Rogersville	105.1	W286AN	38 w/4 m; CL from Mosheim
TN	Union City	107.9	W300BY	30 w/145 m, (drops DA); FC from 107.7
TX	Alice	93.1	K226BA	140 w/112 m
TX	Kenedy	102.3	K272EJ	CP Mod: 150 w/119 m
TX	Lackland City	105.9	K290BO	99 w/30 m, DA; FC from 92.3
TX	San Angelo	101.5	K215BH	99 w/53 m (drops DA); FC from 90.9
UT	Park City	100.3	KSFI-FM1	500 w/16 m
UT	Santa Clara	91.3	KXDS	380 w/565 m; CL from St. George
WA	Ocean Shores	107.3	K297AY	250 w (drops H)/25 m; CL from Hogan's Corner
WA	Olympia	106.7	K294BG	10 w/31 m, DA; CL from Malone
WA	Omak	92.1	K221FK	1 w/13 m; FC from 91.7

WA	Port Angeles	102.1	K271AZ	50 w/58 m
WA	Redmond	97.7	K249DX	75 w (drops H)/24 m, DA; CL from Medina
WA	Spokane	104.5	KQQB-FM1	2 kw/6 m, DA
WA	Sunnyslope	94.3	K232ED	50 w-V, 9 m, DA
WV	West Milford	96.9	W244CB	10 w/45 m; FC from 96.7
WY	Rock Springs	88.9	K205FE	15 w-V (drops H)/10 m; FC from 88.7

**- TECHNICAL CHANGES -**  
 - Petitions for reconsideration -  
 (antenna heights are AGL)

WA	Moses Lake	88.7	NEW	APP: new translator station
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**- DISMISSALS -**

AL	Athens	101.1	W268BM	APP: CP Mod	NM	Ruidoso	101.5	KIDX	APP: changes
AL	Atmore	105.9	WNSI-FM	CP: changes	NC	Charlotte	104.3	W228CE	APP: changes RoA
AZ	Bacavi	101.5	KBWV-LP	CP: changes	TN	Knoxville	105.9	W290BN	APP: pattern change
AZ	Tusayan	92.1	KSGC	CP: changes	TN	Sewanee	94.1	WMTN-LP	CP Mod: changes
CA	Selma	90.1	K211DA	CP: changes	TX	Austin	91.7	KVRX	APP: changes
CO	Greeley	104.7	KELS-LP	APP: changes	TX	Hempstead	105.3	KTWL	CP: changes
FL	Columbia	91.5	-----	APP: new station	TX	Hornsby	91.7	KOOP	APP: changes
FL	Lake City	94.1	-----	APP: APP Mod	VT	Springfield	100.9	W265AT	APP: changes
FL	Starke	91.5	-----	APP: new station	WY	Douglas	99.3	KKTY-FM	APP: changes
GA	Helen	105.1	WNGA-FM	APP: changes	<u>Violations Codes:</u>				
IN	Paoli	95.3	WUME-FM	APP: changes	73.509	- Prohibited overlap			
IN	Warsaw	98.3	WIOE-LP	CP Mod RoA	73.510	- Antenna systems			
KY	Hazard	106.1	WRZD-LP	APP: CP Mod	73.515	- Transmitter location not providing 60 dbu coverage over city-of-license			
LA	New Orleans	89.1	WBSN-FM	APP: changes	73.525	- TV Channel 6 protection			
MI	Bear Creek Township	89.3	WTLI	APP: CP Mod	73.807	- Minimum separation requirements			
MI	Warren	89.1	WPHS	APP: changes	73.872(c)(4)	- Non-universal time-sharing agreement			
MN	Windom	88.1	KRLP	APP: CP Mod	73.7002	- Fair distribution of service on reserved band FM channels			
MS	Ridgeland	99.1	W257CB	APP: CP Mod	(S)	- settlement			
MS	Vardaman	99.5	-----	APP: new station	*	- Petition for reconsideration has been filed			
NJ	Parlin, etc	91.9	W220AA	APP: changes					
NM	Cloudcroft	88.9	KHII	APP: changes					
NM	Cloudcroft	96.7	KNMB	APP: changes					

**- OTHERNEWS -**

AK	St. Paul	91.9	KUHB-FM	Fined \$1500 (initially \$7000) for failing to file their renewal application in a timely manner and subsequent unauthorized operation
CA	Garberville	89.1	KXBC	Is silent
CA	Lindsay	103.3	KZPO	License cancelled; call deleted; application for reconsideration submitted
CA	Palm Desert	95.5	K238AK	Fined \$4000 for "willful and repeated violations" regarding spurious emissions of their signal into the aviation band
CA	Yosemite Village, etc	92.1	K221DK	License reinstated
CA	Yosemite Village	93.9	K228DE	License reinstated
CA	Yosemite Village, etc	95.9	K240CE	License reinstated
CO	Limon	103.1	KAVD	Is silent
HI	Honolulu	101.1	KXRG-LP	License reinstated
IN	Marion	94.3	WIWU-LP	Fined \$250 for failing to file their renewal application in a timely manner and subsequent unauthorized operation
MN	Belle Plaine	-----		Reconsideration for new station
NJ	Pompton Lakes	103.1	W276BX	License cancelled; Call deleted; then . . .
NJ	Pompton Lakes	103.1	W276BX	License reinstated
NY	Auburn	89.1	WDWN	Fined \$2000 for airing prohibited commercial announcements
NC	Stanley	100.7	WVEM-LP	License cancelled; call deleted RoA
OH	Lancaster	90.9	WFCO	Fined \$6000 (reduced from initial \$7500) for airing prohibited commercial announcements
TX	Georgetown	xx.x	KXPW-LP	Fined \$6000 for airing prohibited commercial announcements
WI	Menomonie	101.7	WRJF-LP	Fined \$500 for failing to file their renewal application in a timely manner and subsequent unauthorized operation
WY	Wilson, etc	92.7	K221DE	License cancelled; call deleted

**- NEWS ITEM -**

After a few years of experimenting, the FCC has decided to go ahead with allowing FM translators to relay AM stations. The Report and Order has two requirements: that the translators are already authorized and that their 60 dbu signal does not go beyond the AM station's 2 mv/m contour or 25 miles from the transmitter, whichever is smaller. Stations which are licensed for AM daytime-only operation will be able to provide 24-hour service on the FM translator. The FCC has already been allowing AM-on-FM translators through the use of special temporary authorities.

\*\*\*\*\*  
 Thanks to Shawn Axelrod, Bruce Elving, Deane McIntyre, Sheryl Paszkiewicz and Upper Midwest Broadcasting.com  
 for tips and updates.  
 If you hear any changes occur on your FM dial, share the news! 73  
 \*\*\*\*\*



## Eastern U.S. TV DX

Featuring reports from AL, CT, DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, and WV, along with the Canadian Provinces of NB, NF, NS, ON, PEI, and PQ.

Send reports by the 15<sup>th</sup> of each month to:

Nick Langan

1040 Riverview Drive

Florence, NJ 08518

E-mail: [nickl@wtfda.org](mailto:nickl@wtfda.org)

### *The Editor's Note*

The verdict on the DX landscape after the DTV transition? Not too shabby! Daily it seems, DXers in New England are getting new double-hop logs from Mexico, Venezuela, and the Caribbean. DTV Es logs are becoming more frequent, and analog LPs are even showing up in openings. To this E-skip season's credit, there have been many opportunities for such exotic logs too. Will we at some point start to bemoan the lack of US targets when there is less activity? Perhaps, but this season anyway has been pretty darn wild.

A healthy amount of reports inside this month's edition of ETVDX, filled with some of the final analog logs of our regulars.

### **Robert Grant (N8NU)**

231 E Temperance Rd. Temperance, MI  
48182

[Rg3d@yahoo.com](mailto:Rg3d@yahoo.com)

Temperance is in SE corner of MI. (EN81fs)

Primary Antenna:

Channel Master Advantage 3020 on  
chimney at about 33'

All times EDT

Some cities misspelled for space concerns.

#### 6/16 Es

1100 KPRC(NL) 2 TX Houston EL29 1075

KTBS(NL) 3 LA Shreveport EM32 848

2004 WPBT(NL) 2 FL Miami EL95 1106

2017 unID 4 non-zero, SS boxing

2047 unID 3z Cubavision

#### 6/17 Es

0120 WPBT(NL) 2 FL Miami EL95 1106

unID 3 tentative Cuba

6/17 Es (at Detroit worksite, EN82lj)

y CBHTt 3 NS Halifax T

6/17 Es (back at Temperance)

1845 CBHTt 3 NS Halifax T

Tons of Canadians, up to ch6,  
mostly French, some in English.

1925 WPBT (NL) 2 FL Miami EL95 1106

1942z KSNB-DT 4 NE Superior EN10 760

2055 unID 4+ (NAB Nightlight -  
no ID nor bug supered and no id  
at the completion of the loop!)

2058 unID 4+ under above, wild  
"choppy" variation in signal.

#### 6/18 Es

2120 KDFW(NL) 4 TX Dallas EM12 973

2137 KTBS(NL) 3 LA Shreveport EM32 848

#### 6/21 Es

2145 WPBT(NL) 2 FL Miami EL95 1106

#### 6/21 GW

2146 WJBK(NL) 2z MI Detroit EN82 50

(change of offset – frm plus to zero)

#### 6/22 Es

1900 unID 4 XEW Estrellas net Mexico

1905 XHQROt 2 QR Cancun T

1907 WPBT(NL) 2 FL Miami EL95 1106

(in and out for next 4 hours)

#### 6/23 Tr

0135 WPTD-DT 16 OH Dayton EM79 147

0137 WSTR-DT 33 OH Cinci EM79 185

0140 WLWT-DT 35 OH Cinci EM79 190

0145 WRGT-DT 30 OH Dayton EM79 147

0150 WBDT-DT 26 OH Spngfld EM79 147

0610 WOUC-DT 35 OH Alliance EM90 166

#### 6/23 Es

1820 KPRC(NL) 2 TX Houston EL29 1075

#### 6/24 Tr

0100 KDKAt 2 PA Pittsburgh T

(nightlight loop, no IDs)

0609 WFXP-DT 22 PA Erie EN92 180

WJET-DT 24 PA Erie EN92 180

0616 WYTV-DT 33 OH Youngstn EN91 159

0622 WGRZ-DT 33 NY Buffalo FN02 264

KDKA-DT 25 PA Pittsburgh EN90 204

#### 6/25 Es

0008 WTAE(NL) 4 PA Pittsbgh FN00 221

#### 6/25 Tr

0245 CICA 19 ON Toronto FN03 248

CBLFT 25 ON Toronto FN03 248

0330 WJET-DT 24 PA Erie EN92 180

WGRZ-DT 33 NY Buffalo FN02 264

#### 6/25 Es

1035 unID 3 SS w/commercials susp mex

1040 WPBT(NL) 2 FL Miami EL95 1106  
 KDFW(NL) 4 TX Dallas EM12 973  
 unID 4+ NAB nitelite under KDFW  
 1125 KPRC(NL) 2 TX Houston EL29 1075  
6/26 Es(Frm Ludington StPk,MI, EN64sa)  
 1130yw WPBT(NL) 2 FL Miami EL95 1249  
 Tr  
 aWFLD(NL) 32 IL Chicago EN61 157  
 1840 Es (From Beulah, MI, EN64wp)  
 ar CBHT 3 NS Halifax FN84 1102  
 ar WGBH(NL) 2 MA Boston FN42 763  
 (+ offset, "This Old House" NL)  
 ar CBAT 4 NB St John FN68 982  
6/27 Es (Near Empire, MI, EN64xt)  
 1137  
 y WGBH(NL) 2 MA Boston FN42 763  
6/28 Tr (back at Temperance)  
 0600 WGRZ-DT 33 NY Buffalo FN02 264  
 WKBW-DT 38 NY Buffalo FN02 260  
 WJET-DT 24 PA Erie EN92 180  
 CKXT2-DTt 19 ON London T  
6/28 Es  
 2020 WPBT(NL) 2 FL Miami EL95 1106  
 WUNDt 2 NC Edenton T  
 (same offset as WPBT, generic NAB NL)  
6/29 Tr  
 0609 CKXT-DT2 19 ON London EN92 138  
 (DTV country #2)  
6/29 Es  
 1750 CBHT 3 NS Halifax FN84 1021  
 1800 CBIT2 2 NS Cheticamp FN96 1164  
6/30 Es (Detroit worksite – EN82lj)  
 1035y KPRC(NL) 2 TX Houston EL29 1075  
 1230y WPBT(NL) 2 FL Miami EL95 1145  
 (Back at Temperance)  
 1750 CKCWt 2 NB Moncton T  
 next 3 hours – many stations  
 from Canadian Maritimes -  
 basically a re-run of the  
 previous night's opening.  
 (noted) CJCB 4 NS Sydney FN96 1199  
 unID 6 CTV  
 2140 WGBH(NL) 2 MA Boston EN42 634  
 WBZt(NL) 4 MA Boston T  
 KYWt(NL) 3 PA Philadelphia T  
7/1 Es (Detroit worksite – EN82lj)  
 1220 ar WPBT(NL) 2 FL Miami EL95 1145  
 unID 3z SS tent Cuba  
 (Back at Temperance)  
 2020 KPRC(NL) 2 TX Houston EL29 1075  
 2030 XHRIOt 2 TM Matamoros T  
 KDFW(NL) 4 TX Dallas EM12 973  
7/2 Es  
 1900 WPBT(NL) 2 FL Miami EL95 1106  
 1905 CKND2 2 MB Minedosa DO90 986  
 1908 CFSK 4 SK Saskton DO62 1290  
 1912 KPRC(NL) 2 TX Houston EL29 1075  
 2014 KDFW(NL) 4 TX Dallas EM12 973  
7/3 Es  
 1100 KPRC(NL) 2 TX Houston EL29 1075  
 WPBT(NL) 2 FL Miami EL95 1106  
 (in and out nearly the whole day)  
 2000 Rebelde 4 CM Camagüey FL11 1446  
 2131 XHPN 3 CL Pidrs N.DL98 1314

2145 XHCJt 4 CL Sabinas (net 7) T  
7/4 Tr  
 0309 WPTA-DT 24 IN Ft Wayne EN71 97  
 0622 WJRT-DT 12 MI Flint EN73 104  
 0630 WXMI-DT 19 MI Gd.Rapds EN72 120  
 0636 WSFJ-DT 24 OH Newark EN80 125  
 (off back of antenna!)  
 WOTV-DT 20 MI BattlCrk EN72 113  
 0700 WWTv-DT 9 MI Cadillac EN74 187  
7/4 Es  
 1530 CKCK 2 SK Regina DO70 1165  
 1600 CBKT7 3 SK Warmley DN89 1074  
 CBCP3t 3 SK Ponteix T  
 CBKT1 4 SK Moose Jaw DO70 1222  
 1630 CFQC1 3 SK Stranraer DO51 1359  
7/5 Es  
 1825 CKSA 2 AB Loydmnstr DO43 1461  
 (province #6 – by a few feet!)  
 1855 KPRC(NL) 2 TX Houston EL29 1075  
 2100 WPBT(NL) 2 FL Miami EL95 1106  
 XHRIOt 2 TM Matamoros T  
7/6 Es  
 1900 WYFF(NL) 4 SC Greenvil EM85 463  
 1922 WFMY(NL) 2 NC Grnsboro FM05 454  
 1936 WGBH(NL) 2 MA Boston FN42 634  
 WBZt(NL) 4 MA Boston T  
 1940 WUND(NL) 2 NC Edenton FM15 561  
 (analog Es # 100)  
 1955 WPBT(NL) 2 FL Miami EL95 1106  
 2025 CBAFT1t 3 NB Allardville T  
7/7 Es  
 1900 WPBT(NL) 2 FL Miami EL95 1106  
 1919eWWL (NL) 4 LA N Orleans EL49 896  
 1922eWDSU(NL) 6 LA N Orleans EL49 891  
 2000 Cubavision 3 VC Santa Clara T  
 KPRC(NL) 2 TX Houston EL29 1075  
 KDFW(NL) 4 TX Dallas EM12 973  
7/8 Es  
 2000 WPBT(NL) 2 FL Miami EL95 1106  
 2025  
 yc K02NT 2 NE Scottsbluf DN81 1036  
 unIDs: Two ch2 digital, 2- analog  
 mention Canada, one each 2z and 2+,  
 one ch3 digital, and one 3z not NL  
7/9 Es  
 1912 WUND(NL) 2 NC Edenton FM15 561  
 1918 KDFW(NL) 4 TX Dallas EM12 973  
 1920 KPRC(NL) 2 TX Houston EL29 1075  
 WFMY(NL) 2 NC Grnsboro FM05 454  
 2020 WPBT(NL) 2 FL Miami EL95 1106  
7/10 Tr  
 2200 WGRZ-DT 33 NY Buffalo FN02 264  
 WKBW-DT 38 NY Buffalo FN02 260  
 WJET-DT 24 PA Erie EN92 180  
7/11 Tr  
 2100 WFXP-DT 22 PA Erie EN92 180  
 WJET-DT 24 PA Erie EN92 180  
7/13 Tr  
 0830 WLQP-LP 18 OH Lima EN70 86  
 1430 XHRIO 2 TM Matamoros EM15 1355  
 Alternate receivers:  
 a Action 5" b/w, integral whip  
 ar Action 5" b/w, rabbit ears  
 aw Action 5" b/w, 6m ham magnet mount

e Emerson 24" b/w, rabbit ears  
y Yaesu VX-5R, 6m ham magnet mount  
yc Yaesu VX-5R, CM 3020  
z Zinwell ZTA-970A CECB, CM 3020

**Says Robert:** "Wow.

After it appeared that this would be the skip season that wasn't, things did open up quite a bit.

The "new lowband" reminds me of my teenage days DXing up at Honor – few local signals on lowband and hours upon hours of low-grade E-skip, just like I had most of the years I DXed there (mainly 1979-1984).

The "long and the short of it" was that the new lowband provided skip both long (CKSA @1461 miles) and short (WFMY @454 miles – twice!). Check out the aerial view of CKSA's TL – The entrance to the site's driveway is in Saskatchewan, but the tower (and the antenna atop it) are in Alberta. That's not a record, but I have VERY few longer than 1461mi. Likewise, WFMY is not my shortest Es (KYW and WPVI, seen on the legendary 7/6/2004 opening are 3 miles closer, and back in my Detroit days WSTM was much closer yet).

K02NT is an analog translator of KDUH in Scottsbluff (and thus of KOTA). On a TV set, it was getting clobbered by local noise, a few other analogs, and two digitals, but the FM audio boomed into the Yaesu VX-5. A receiver like this will be almost mandatory for "The new lowband", but I will still have to find a solution for all that noise. Worst, on my TV, the noise over channels 2,3 and 4 looks just like DTV hypersnow. I pulled out the Zinwell many times only to discover there was no DTV coming in."

**Fred Nordquist** - 147 Travis Hill Rd - Moncks Corner SC  
[nordquis@homesc.com](mailto:nordquis@homesc.com)  
Times - ELT. Distance in Miles.

9/16/08 TR

0043 WFOR-DT 22 FL Miami CBS 501

9/21 TR

1322 WBOC-DT 21 MD Salisbury CBS 438

2352 WBTV 3 NC Charlotte CBS 164

9/22 TR

0915 WCVW-DT 44 VA Richmond PBS 326

1029 WGPX 16 NC Burlington ION 210

1125 WDBJ-DT 18 VA Roanoke PBS 275

9/23 TR

0013 WRAZ-DT 49 NC Raleigh FOX 188

0043 WUNP 36 NC Roanoke Rapids PBS 249

0114 WHRO-DT 16 VA Norfolk PBS 316

0117 WRIC-DT 22 VA Petersburg ABC 325

0121 WPXV-DT 46 VA Norfolk ION 318

0145 WWBT-DT 54 VA Richmond NBC 327

0210 WCVE-DT 42 VA Richmond PBS 325

10/17 TR

0112 WMOR-DT 19 FL Lakeland IND 397

0137 WTVT-DT 12 FL Tampa FOX 397

12/30 TR

0710 WBBH-DT 15 FL Fort Myers NBC 455

2/18/09 GW

0900 WITV-DT 7 SC Charleston ETV-ATV-

DTV FLASH CUT-2/18/09 25

3/19 TR

0120 WRDW -DT 12 GA Augusta CBS 110

4/18 TR

2300 WYDO -DT 21 NC Greenville FOX 213

4/25 TR

2140 WFXI-DT 24 NC Morehead City FOX

OFF AIR-MOVED TO CH 8) 208

2213 WLPS-LD 14 NC Lumberton IND 113

5/1 TR

2326 WPXP-DT 36 FL Lake Worth I 458

2346 WKMG-DT 26 FL Orlando CBS 325

5/5 TR

2037 WPBT-DT 18 FL Miami PBS 501

2038 WLTN-DT 24 FL Miami UNIVISION-SS

501

2039 WLRN-DT 20 FL Miami PBS 500

2055 WHFT-DT 46 FL Miami TBN 499

2110 WFGC-DT 49 FL Palm Beach CTN-REL

446

5/13 TR

0815 W24AY-LD 24 NC Lilliesville NBC-36 124

5/12 TR

0043 WMYV-DT 33 NC Greensboro MYTV

183

0055 WUND-DT 33 NC Concord PBS 152

6/12 ES

1030 KTVO 44 MO Kirksville ABC-

NIGHTLIGHT SERVICE 853

1135 KSDK 3 MO St Louis NBC-NIGHTLIGHT

SERVICE 687

1209 KSNB 5 NE Superior FOX-NIGHTLIGHT

SERVICE 1100

1238 WOI 5 IA Ames ABC-NIGHTLIGHT

SERVICE 953

1312 WCIA 3 IL Champaign CBS-

NIGHTLIGHT SERVICE 668

1320 KWQR 6 IA Davenport NBC-

NIGHTLIGHT SERVICE 800

6/13 GW

0845 WIS -DT 10 SC Columbia NBC-MOVED

FROM CH41 78

0845 WBTW-DT 13 SC Florence CBS-

MOVED FROM CH56 87

0847 WTAT-DT 24 SC Charleston FOX-

MOVED FROM CH 40 24

6/13 TR

0915 WTKR-DT 40 VA Norfolk CBS 316

6/13 ES

1250 CHBX 2 ON Sault Ste Marie CTV 952

1251 WJMN 3 MI Escanaba CBS-

NIGHTLIGHT SERVICE 965

1818 KDLH 3 MN Duluth CBS-NIGHTLIGHT

SERVICE 1133

6/14 ES

1401 XHRIO 2 TA Matamoros FOX 1168  
1415 KRGV 5 TX Weslaco ABC-NIGHTLIGHT  
SERVICE 1178

6/15 TR

2247 WUNU-DT 31 NC Lumberton PBS-  
MOVED FROM CH 25 121

6/15 GW

2304 WLCN-LD 18 SC Charleston 24

6/16 TR

0112 WACX-DT 40 FL Leesburg 327  
0116 WTOC-DT 11 GA Savannah CBS-  
MOVED FROM CH15 114  
0016 WHLV-DT 51 FL Cocoa TBN 367

6/16 ES

1021 CBLT-7 6 ON Timmons CBC 1060  
1025 CICI 5 ON Sudbury CTV 919  
1910 KPRC 2 TX Houston NBC-NIGHTLIGHT  
SERVICE 949

6/19 GW

0527 WMMP-DT 36 SC Charleston MOVED  
FROM CH 35 22

6/19 TR

2055 WRAL-DT 48 NC Raleigh MOVED  
FROM CH 53 188  
2230 WLFL-DT 27 NC Raleigh MOVED  
FROM CH 57 188  
2230 WILM-DT 40 NC Wilmington 137

6/19 ES

1735 HIJB 2 DO Santo Domingo SS-Tele  
Antillas 1143

6/20 TR

0017 W21AU 21 FL Orlando SS-AZTECA 331  
0815 WHNS-DT 21 SC Greenville 206  
0820 WGGG-DT 16 SC Greenville 184  
0920 W14CQ-LD 14 GA Vidalia RELIG 163  
0930 WYFF-DT 4 SC Greenville NIGHTLIGHT  
SERVICE 206  
0835 WHKY-DT 40 NC Hickory 190

6/22 ES

1149 WGBH 2 MA Boston NIGHTLIGHT  
SERVICE 787  
1512 KDFW 4 TX Dallas NIGHTLIGHT  
SERVICE 987

6/24 ES

1812 CIII2 2 ON Bancroft GLOBAL 831

6/24 TR

2220 WBPI-LD 49 GA Augusta LP 109

6/25 ES

1031 WKYC 3 OH Cleveland NIGHTLIGHT  
SERVICE 572  
2020 KNOP-DT 2 NE North Platte 1ST DTV  
ES DX 1264

2237 KJRH 2 OK Tulsa NIGHTLIGHT  
SERVICE 913

6/26 ES

0940 CBCW 2 NB Moncton CTV 1184  
0940 CKCW 2 NB Moncton CTV 1184  
1245 CKVR 3 ON Barrie A NETWORK 769

6/27 TR

0830 WGHP-DT 35 NC High Point 179  
0930 WGPX-DT 14 NC Burlington 210

6/27 ES

1810 CMLB 2 CU Santiago de Cuba SS-  
Cubavision 946

0550 WCES-DT 6 GA Augusta 109

6/29 TR

2350 WTXL-DT 27 FL Tallahassee 294  
2358 WFXL-DT 12 GA Albany 262

6/29 GW

2352 WJRB-LD 18 SC Charleston 29

6/30 TR

0005 WALB-DT 10 GA Albany 262  
0007 WVAN-DT 9 GA Savannah 122  
0009 WABW-DT 6 GA Pelham 292  
0010 WTWC-DT 40 FL Tallahassee 293  
0015 WMBB-DT 13 FL Panama City 375  
0030 WXGA-DT 8 GA Waycross 206  
0036 WFSG-DT 38 FL Panama City 402  
0103 WSWG-DT 43 GA Valdosta 244  
0120 WTGS-DT 28 SC Hardeeville (moved  
from ch 27) 114

7/2 TR

0106 WFXI-DT 8 USNC Morehead City  
FOX(moved from ch 24) 229

7/4 ES

1113 HISD 4 DODO Santo Domingo SS-  
CERTV4 1193

7/7 ES

1210 WIPR-TV 6 USPR San Juan  
NIGHTLIGHT SERVICE 1352  
2019 KOCO-TV 5 USOK Oklahoma City  
NIGHTLIGHT SERVICE 1011  
2150 WDSU 6 USLA New Orleans  
NIGHTLIGHT SERVICE 630  
All above are new loggings.  
TV Totals = 457 (including 182 DTV)

TV DX Eq:

ATV:Panasonic 11" Color (CT-1120B).  
DTV: RCA X100 TV - connected to Zenith  
DTT900 DTV STB.  
Antennas - UHF: Roof/tripod mounted CM  
4251 Parascope (7' parabolic-screened)  
(25'AGL) - guyed.  
Yaesu G450a Rotor & CM7777 Mast Mounted  
preamp.  
VHF: RS VU-90XR w/RS Rotor(16' AGL in  
Attic) and 6 meter Ringo (AR-6 Cushcraft)  
pole mounted at 23' AGL.

It's been quite any interesting year with the  
Analog TV signoffs - with ch 2-6 now in the  
clear.

73-Fred

**Roger Gravelle**

42 Little Creek Place  
Port Stanley, ON N5L 1K1  
Equip: 42" LG  
5' Delhi Para5 35'  
Delhi Suburban VHF 30'

While waiting for local analog stations to switch  
to digital channels and temporary digitals to  
switch to new digital channels, along comes  
skip on 2 thru 6!!! A final goodbye very  
appropriate today.

Between 9 am and noon, picked up 1<sup>st</sup> WOAI 4 San Antonio, 4 Dallas, 3 KFDX Wichita Falls, 4 Fort Worth at 10:10 AM. This was followed by 2 and 4 Miami FL and 3 Tampa. I found this really was emotional, I probably will never see any of these stations again. 73's Rog

"Excitement continues" all June 12, 2009

- Channel 17 Digital WTOL Toledo moves to 11 with analog 11 off.
- Channel 31 Digital WJW Cleveland moves to 8 with analog 8 off.
- Channel 52 Digital WICU Erie moves to 12 with analog 12 off. 12 WICU analog off for several weeks.
- Channel 24 Digital WJET replaced digital 58 WJET Erie.
- Channel 54 analog Erie has been off air for months causing major financial crisis. Have laid off 4 people from WQLN. Lightning strike damaged transmission line. Also low power 58 went off (was WQLN digital).
- Channel 50 WQLN Erie now on with fund raisers constantly. Their signal very weak compared to analog 54.
- Channel 35 moved (WSEE) analog moved to Ch. 16 digital. Cannot receive them unless reception excellent per atmosphere conditions.
- Channel 2 WKYC Cleveland digital (old analog 3) moved to Ch 17 – receive them good most of time.
- Channel 5 analog WEWS Cleveland off. Their digital ch is the strongest signal out of Cleveland.
- Channel 13 WTYG old analog 19 now on as Digital 13 Toledo.
- Channel 57 WTOV Digital Stubenville now on Channel 9 Digital (old analog 9).
- Channel 19 CKXT Digital London only digital local. Rest analog.

Analog channel 3 WKYC Cleveland still on today with converters and weather info. The digital change has been confusing at times. I have noticed the good reception days bring normal distance (120 to 180 mile stations) in as usual plus a few more. Just doesn't happen as frequently due too weak pictures are not received.

Personal info – my wife and I are celebrating our 50<sup>th</sup> wedding anniversary in July (congrats!-NL). This July I have been DXing 56 years. We had no Canadian channel around our area. Only one received occasionally was CBLT 6 out of Toronto. WICU 12 Erie, WEWS 5 Cleveland were our best!!

73s Rog

**James N. Pizzi**  
100 Country Road 28  
Palmyra, NY 14522

Delhi VIP-307, SR-VHF  
Winegard PR-9032 UHF-ant & PA4975  
UHF Pre-Amp  
Zenith DTT-900 DTV STB  
RCA 27" 1994 Vintage

12/14/08 Ms

0857 6 unID Ant. SW Looked like a cartoon w/CBS logo LR

12/23 Es

0805 to 0815 2&4 unIDs Ant. SW  
u/WGRZ-2 & WIVB-4

1/24/09 Es

1533 2 unID Ant. SSW ABC Logo LR  
1702 5 WUFT FL Tent. Zero to WTVH  
1703 4 WJXT FL Tent. Heavy CCI to WIVB-4  
1703 2 WESH FL Tent. o/WGRZ-2 w/NBC  
1705 3 WEDU FL Pledge drive  
2000 2 unID Ant. SSW ABC  
2005 3 WEDU FL Back in again  
2018 2 WESH FL Ads  
2018 2 WPBT FL Bug LR  
2026 6 WTVJ FL NBC  
2028 5 WUFT FL Pledge +

[www.wuft.tv](http://www.wuft.tv)

2029 4 WJXT FL "Monk"  
2039 6 WKMG FL CBS  
2130 3 WEAR FL ABC zero to WSTM-3  
1/26 Es  
1340 2 WESH FL Logo LR  
1355 2 WPBT FL Bug LR calls in promo  
1356 3 WEDU FL Promo, calls in promo  
1356 5 WUFT FL Zero to WTVH-5  
1400 4 WJXT FL  
1405 4 WFOR FL  
1639 2 WESH FL Again, video only logo LR, ads, local nx  
1703 2 WPBT FL Again "Curious George"  
1708 3 KTBS LA "KTBS Storm team" promo  
1715 4 unID SW Minus offset w/ET?  
1723 6 unID SW "Oprah" a few possible

1747 2 KPRC TX "Extra" news promo @ 1749

1752 5 unID SW Heavy zero beat to WTVH-5

1805 2 WDIQ AL "Maya & Miguel"

2/19 Tr

1226 7 WWNY-DT NY

5/2 Es

1454 2 WPBT FL Bug LR  
1847 3 KATC LA Tent. 20kz to WSTM-3



1847 4 WFOR FL Tent. CBS news  
5/4 Tr  
0100 48 WYDC-DT NY Zenith  
capture – no video  
5/19 Es  
2017 2 WPBT FL Bug LR  
5/23 Tr  
1947 12 CFCF QC CTV  
1950 23 WNPI-DT NY Strong  
1956 21 WWTI-DT NY Over local  
analog WXXY  
1959 4 CBOT ON w/hockey  
5/26 Es  
1759 3 WEAR FL ABC zero offset to  
WSTM  
5/29 Es  
1809 2 WPBT FL Bug LR  
1819 4 WFOR FL Local Wx  
1850 6 WTMJ FL NBC  
2002 6 CMBF Cuba News – balding  
man w/bushy mustache – New Country  
5/30 Es  
1146 2 WPBT FL Tent.  
6/1 Es  
1923 5 KHAS-DT NE Decoded – no  
video/video @ 1934  
1932 2 KNOP-DT NE Decoded – no  
video/video 2010-2030  
1939 6 KWNB-DT NE Decoded with  
brief video  
2000 3 KMTV NE Tent. CBS  
2055 4 KFOR OK Tent. NBC  
2059 3 KSNW KS T. Storm warnings  
w/calls  
6/3 Tr  
0300-0430 31 WJW-DT OH Zenith  
decode  
6/8 Es  
2159 4 KMOV MO Tent. CBS-zero to  
WIVB-4  
2213 2 KTVI MO FOX2 Bug LR  
6/9 Es  
1047 2 WPBT FL Bug LR “Clifford”  
1052 6 WTVJ FL NBC  
6/11 Es  
1529 3 WSAV GA Ad w/912 AC  
“Rachel”  
1530 5 WUFT FL  
1542 2 unID South  
1600 2 WBRZ LA @1615 Ad w/601  
AC  
1656 3 KTBS LA Ads  
1925 2 WESH FL Bug LR  
1926 2 WPBT FL PBS  
6/12 Es  
0900 4 KBTX TX FOX4 Ad/409 AC  
@0919  
0901 5 unID SSW ABC  
0902 3 unID SSW ABC  
0903 6 unID SSW CBS  
0915 6 unID SSW NBC  
0916 2 KPRC TX DTV crawl/calls  
0919 4 KDFW TX wx@0920 – news  
0927 3 KTBS LA Wx  
0927 3 KSAN TX Tent. -offset

0933 5 KXAS TX Wx 0933  
w/Jennifer Lopez  
0956 4 WFOR FL Ads- Rachel  
0958 3 WEAR FL In vertical blanking  
bar “WEAR Pensacola”  
1023 3 KDLO SD Til shut off @ 1030  
1032 3 WRBL GA DTV crawl – to go  
off @ 12 noon  
1046 3 KATC LA Calls  
1047 5 WKRG AL DTV loop 251-662-  
3047 [www.wkrg.com](http://www.wkrg.com)  
1100 4 WWL LA ID  
1111 6 WDSU LA Bug LR “Ellen”  
1158 2 WBRZ LA Calls  
1309 2 KPRC TX Bug LR/DTV loop  
1341 5 KENS TX Tent. CBS  
1402 4 KDFW TX w/DTV loop & calls  
1435 3 KTBS LA Shut down  
Tr  
1516 4 WTAE PA 1700 local  
news/bug LR  
GW  
1600 23 WPXJ-DT NY  
10 WHEC-DT NY  
13 WHAM-DT NY  
1758 2 KNOP-DT NE Brief decode  
2047 4 KAMR TX  
2052 4 KOB NM Tent. NBC +  
offset  
2054 4 KDFW TX Same DTV loop  
w/calls  
Tr  
2240 6 WJAC PA w/DTV slide logo  
UL  
6/13 Tr  
0142 4 CBLT-4 ON //CBLT-5  
0217 2 CBLT-2 ON //CBLT-5  
Es  
1315 4 WWL LA DTV loop  
1318 6 unID  
1334 2 WPBT FL DTV loop/calls  
between Eng/Sp  
Tr  
1445 8 WICZ-DT NY Tent. Signal –  
no lock  
1545 36 WENY-DT NY Tent. Signal-  
no lock  
1545 18 WETM-DT NY Tent. Signal-  
no lock  
Es  
1720 6 Salsa music  
1722 2 WPBT FL Loop  
1729 6 WTVJ FL Loop w/calls  
1750-? 5 WCFT-DT Lock-no vid.  
ABC3340  
6/16 Tr  
0100-0700 8 WICZ-DT Zenith lock  
during the night  
Es  
0940 2 WPBT NL-calls  
0943 6 WTVJ NL-calls  
1023 3 KTBS NL-Big red 3 w/calls  
1028 4 KDFW NL w/calls  
1405 2 WPBT NL-calls  
1406 6 WTVJ NL-calls

6/17 Es

1115 4 CJCB NS CTV  
 1118 4 CJCN NF NTV  
 1158 2 CKCW NB CTV, again @1759  
 1200 3 CBNAT-1 NF CBC "Martha",  
 ment Labrador in promo  
 1204 5 CBNT-3 NF CBC "Martha"  
 1211 2 CBIT-2 NS NS promo CBC  
 "Martha"  
 1238 4 CBNT-24 NF CBC nx o/CJCN-  
 4  
 1725 4 CJCN NF  
 1725 3 CBHT NS Wx for NS  
 1751 4 unID CBC Audio/NTV Video  
 1816 3 CBWFT MB FF WNW CBC  
 again @2057  
 1819 4 CKYB MB Tent. "Ellen"  
 1843 6 WDSU LA NL Bug UR  
 1843 3 KTBS LA NL Bug UR  
 1848 4 KDFW TX u/WWL NL  
 1849 4 WWL LA NL Calls  
 1919 6 WTVJ FL NL  
 1919 2 WPBT FL NL  
 1949 5 WUFT FL NL  
 2009 6 KAUZ TX Tent. NL Brief  
 w/logo?  
 2105 3 KDLH MN NL- Local calls  
 @2107

6/18 Es

1606 4 WWL LA NL-unID  
 1636 2 WPBT FL NL-calls  
 1702 6 WDSU LA NL-Bug UR  
 2056 4 KDFW TX NL-ID UL

6/19 Tr

1150 4 CIII-4 ON Global//CIII Ch. 6  
Es  
 1650 2 WPBT FL NL  
 1651 3 KTBS LA NL-Logo UR  
Tr  
 2112 6 WRGB-DT NY Tent. Signal- no  
 lock  
 2113 12 WNYT-DT NY Signal-no lock  
 2115 7 WXXA-DT NY Tent. Signal-no  
 lock  
 2124 11 WBRE-DT PA Signal-no lock

6/20 Es

1840 2 WPBT FL NL-Calls  
 1849 4 WWL LA NL-No ID-ID  
 @2218  
 1845 6 WDSU LA NL  
 1935 6 CMBF Cuba Man giving talk –  
 in UR Title? LR Woman in circle signing for  
 the deaf  
 1941 5 unID Cuba //to Ch. 6  
 1942 6 WTVJ FL NL-ID  
 1946 5 WUFT FL  
 2004-2032 6 KZFW-LP TX Jazz  
 promo? Ad-Texas Glass & Mirror – many  
 ads – 3 kw.  
 2006 3 KTBS LA NL-Logo UR  
 2006 4 KDFW TX NL-ID UL

6/21 Es

2052 2 KPRC TX Crawl across top of  
 screen w/calls

2133 4 KSNB-DT Locked w/video  
 "American Dad"

2140 2 KNOP-DT Locked w/video  
 "Merlin"

6/22 Es

1128 2 WPBT FL  
 1132 3 unID SS  
 1139 4 CMUR Cuba //above Ch.3  
 1149 3 unID Another SS u/above audio  
 only  
 1153 6 WTVJ FL NL-calls  
 1211 4 unID Soap "Univision"  
 1213 5 CMHQ @1215 "Santa Clara"  
 Cultura Historica  
 1235 5 unID ¾ Color bars to 1318  
 1243 5 WUFT FL NL  
 1317 4 unID Test pattern & tone //to  
 above Ch.5  
 1332 4 CMUR Cuba w/"teleSUR"  
 news  
 1341 6 WKMG FL NL  
 1348 4 WEVU-CA FL Univision Ft.  
 Myers back again o/telesur  
 1359 6 CMN.. Cuba //to CMUR 4  
 "cultura y comunicacion"

6/23 Es

1002 2 WPBT FL NL-again at 1300

6/24 Tr

0745 26 WNYB-DT NY Ex Ch.27  
 0754 51 WTAE-DT PA Tent. Signal-  
 No Lock  
 0756 43 WPGH-DT PA Tent. Signal-  
 No Lock  
 0802 4 WIVT-DT NY  
 0909 9 CKLW ON  
 2334 53 CITY-DT ON

6/25 Tr

0001 26 W26BS Binghamton, NY  
 TBN ID  
 0052 36 WENY-DT #1-WENY-AB #2-  
 WENY-CB  
 0105 48 WYOC-DT NY  
 0127 18 WETM-DT NY  
 0130 23 WLYH-DT PA Signal-No  
 Lock WPXT-DT off  
 0149 15 WBNF-CA NY TCT-Rare  
 0630 5 CICI ON 234 mi.  
 1750 53 CITY-DTON Strong & Steady  
 1751 64 CFMT-DT ON Strong &  
 Steady  
 1751 20 CBLT-DT ON Strong &  
 Steady  
 1758 65 CIII-DT-41 ON Strong &  
 Steady

6/26 Es

0854 2 WPBT FL In & Out all day to  
 1500  
 0855 6 WTVJ FL NL  
 0924 4 WEVU-CA FL Univision  
 1243 6 WKMG FL NL-Ph 407 AC  
 1244 5 WUFT FL NL ID@1245  
 1250 4 WWL LA Tent. NL  
 1509 35 WNYF-DT NY Signal-No  
 Lock

1723 3 CBHT NS CBC NS Wx @1727  
 1724 5 CJCH NS CTV  
 1725 5 CBIT NS CBC  
 1727 3 CBNAT-1 NF CBC  
 1729 6 CJON NF NTV  
 1731 4 CJCN NF NTV Evening News  
 2100 5 WCFT-DT AL ABC 3340 Video  
 2144 3 KDLO-DT SD #1KDLO-TV #2UTV  
 2155 4 WCCO MN Call prominent in home-brewed NL  
 2156 4 CBWT-2 MB CBC u/o WCCO  
 2157 4 CKYB MB CTV News Break  
 2204 3 CBWFT MB FF News  
 2210 5 KHAS-DT  
 2217 4 KSNB-DT  
6/27 Es  
 0016 2 CKND MB Global bug LR Manitoba-News  
 0026 3 CBKT-7 SK CBC  
 0027 5 CKX MB CBC The Hour-Best of 08  
 0027 6 CBWT MB //CKX  
 0101 2 CBWFT-7 FF  
 0126 3 WSIL IL NL Calls "WSIL-DT"  
 0130 4 WHBF-DT Tent. Signal-No Lock  
 0934 2 CJOX NF CBC  
 1000 4 CJCB NS CTV News promo  
 1031 2 CBGAT-14 QC FF  
 1052 2 WPBT FL NL  
 1600 4 CJCN NF NTV "On The Mark"  
 1601 3 CBNAT-1 NF CBC  
 2158 2 KPRC TX NL-Crawl @ Top  
6/28 Es  
 1414 2 WPBT FL NL  
 1953 2 KPRC TX NL Bug LR Calls in  
 2003 2 WUND NC NL "UNCO-TV" O was a logo, 495 miles  
 2005 2 WPBT FL NL o/u WUND  
 2012 5 KCWX-DT TX Tent. Signal-No Lock  
 2014 6 WKMG FL NL Orlando in crawl  
 2015 5 KRGV TX NL GM of KRGV  
 2016 5 unID NL saw "KMAD Bcsting"  
 2017 3 unID NL no ID  
 2020 5 KOCO OK NL- not NAB local-ID UL  
 2025 4 KDFW TX NL ID UL  
 2026 4 WWL LA NL zero beat to KDFW  
Tr  
 2105 2 KDKA PA NL Finally!  
6/29 Es  
 0959 2 CBGAT-14 QC CBC-Radio Canada FF  
 1001 2 unID u/o above childrens pgm.  
 1035 3 CBAFT-3 NB //CBGAT-14 again @1749  
 1116 2 CKND-2 MB Global-promos  
 1136 3 unID CBC

1148 4 WCCO MN Local NL w/calls  
 1158 3 CBWFT MB FF CBC cooking pgm  
 1720 3 CBHT NS CBC  
 1721 4 CJCN NF NF accuwx  
 1722 4 CJCB NS Promo-ment. CBRN radio  
 1723 5 CJCH NS CTV-News-Ads  
 1723 6 CJCH-6 NS //CJCH  
 1726 2 CKCW NB CTV  
 1733 4 CBNT-24 NF CBC NF weather  
 1750 2 CBIT-2 NS CBC NS  
6/30 Es  
 0923 2 KPRC TX NL-Crawl @ top  
 0935 2 WPBT FL NL  
 0936 4 WWL LA Tent.  
 1009 3 WPNG-LP GA Tent.  
 Infomercial – "Wen Healthy Hair Care System" in for about 3 mins – no web contact to verify  
 1036 2 WUNC NC Tent. NL zero to WPBT  
 1643 3 South/Cuba? Cartoons  
 1643 2 South/Cuba? SS News  
 1707 2 South/Cuba? Talk pgm  
 1959 3 CBWFT MB FF  
 1959 2 CKCK SK Tent. CTV  
 1959 4 CKYB MB CTV  
7/2 Es  
 1052 2 KPRC TX NL-Crawl again @2004  
 1058 4 WWL LA Tent. unID NL again @2013  
 1958 4 KDFW TX NL-ID UL  
 2000 5 KOCO OK NL-ID UL  
7/3 Es  
 0809 2 WPBT FL NL  
Ms  
 0813 2 unID Old style Indian head test pattern  
Es  
 0849 2 KPRC TX NL-crawl Again @1357  
 0944 3 unID SS Discussion pgm – Cuba mentions  
 2031 2 WPBT FL NL  
 2057 2 KOTA-DT With video for a while  
7/4 Es  
 1300-2300 5 WCFT-DT Away from home – Zenith Capture  
7/5 Es  
 0019 4 WWL LA NL  
 0020 6 WDSU LA NL  
 0048 2 KPRC TX NL 2&4 in till 0130

**Says Jim:** "Very productive here with Es. Tropics has been weak with some enhancement out to 200 mi. Congrats to all those with amazing DX.

Jim"

**Doug Smith**  
Pleasant View, TN  
[www.w9wi.com](http://www.w9wi.com)

\* indicates new to log.  
d before channel number indicates DTV,  
others are analog.

6/12 Gw

0015 WTVF d5 Nashville TN  
ex-ch. 56 \*18  
0015 WNPT d8 Nashville TN  
ex-ch. 46 \*25

6/14 Tr

2000 WIAT d30 Birmingham AL  
(programmed into DVR on  
channel

rescan!) \*202  
2000 WZDX d41 Huntsville AL  
119  
2000 WAAY d32 Huntsville AL  
119  
2000 WHIQ d24 Huntsville AL  
119

6/16 Tr

0824 WHDF d14 Florence AL  
96  
0830 WNIN d9 Evansville IN  
prev. logged on ch. 12 \*109

6/22 Gw, Es

1000 WPGD d33 Hendersonville TN  
ex-ch. 51 \*18  
1003 unID 3 NAB-NL  
skip to FM to Mexico  
1005 WPBT 2 Miami FL  
NAB-NL, ID, Comcast promos 827

6/23 Tr

0751 WTCT d17 Marion IL  
"27-1 WTCTSD1", "27-2 TCT HD",  
'27-3

WTCTSD2" \*133  
0751 WLMT d31 Memphis TN  
"30-1 WLMT-DT" 169  
0751 KSDK d35 St. Louis MO  
"5-1 KSDK-DT",  
"5-2 KSDK-

WX" 232

0751 KFVS d12 Cape Girardeau MO  
"12-1 KFVS-DT"; ex-ch. 57 \*150

6/23 Es

1005 unID 3 NAB-NL  
1005 unID 2 program in English,  
presumably Canada

6/25 Es

???? KNOP d2 North Platte NE  
"2-1 KNOP-DT", found on box when  
returning from  
work. \*804

6/26 Es

1218 XHWX 4 Monterey NL  
ID upper corner \*1076

6/27 Tr

0700 WLMT d31 Memphis TN  
"30-1 WLMT-DT" 169

0700 WKNO d29 Memphis TN  
"10-1 WKNO-HD" 175  
0800 WPTY d25 Memphis TN  
"24-1 WPTY-DT" 172  
0730 WKYU d18 Bowling Green KY  
"24-1 WKYU-DT" 58

6/28 Es

1910 unID 2 Canada ?  
CBC English // ch. 6  
1910 unID 6 Canada ?  
CBC English // ch. 2

6/30 Tr

0620 WPXX d51 Memphis TN  
"50-1 ION" 173  
0620 WPTY d25 Memphis TN  
"24-1 WPTY-DT" 172

7/4 Tr

0652 KSDK d35 St. Louis MO  
"5-1 KSDK-DT" 232  
0652 KPLR d26 St. Louis MO  
"11-1 KPLR-DT" 232

7/6 Es

1640 XEPM 2 Juarez CI  
"tucanal" IDd by Matt Sittel \*1043

7/9 Es

1028 KRMA 6 Denver CO  
local analog nightlight  
program w/ID

1011  
1028 KCNCp 4 Denver CO  
NAB-NL in w/KRMA  
1125 KNOPp d2 North Platte NE  
Insignia box showing a DTV signal but no  
lock

7/13 Es

1047 XEPM 2 Juarez CI  
1043

7/14 Es

1116 XEPM 2 Juarez CI  
1043

7/17 Es

1054 unIDs 2 Canada one  
each English & French; MUF-4  
1100 CKPR 2 Thunder Bay ON  
"...Just for Laughs, Monday  
at 9 on  
Thunder Bay..." \*843



1155 KNOPp d2 North Platte NE  
KDLOp d3 Florence SD



# Western U.S. TV DX

Featuring reports from AK, AR, AZ, CA, CO, HI, IA, ID, IL, LA, KS, MN, MO, MS, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WI, and WY, along with the Canadian Provinces of AB, BC, MB, SK, and YT.

Send reports by the 15<sup>th</sup> of each month to:

Nick Langan  
 1040 Riverview Drive  
 Florence, NJ 08518  
 E-mail: [wtvdx@wtfda.org](mailto:wtvdx@wtfda.org)

## *The Editor's Note*

While the plains, gulf coast, and Texas have shared in the solid E-Skip season the east has had, the activity has not been as plentiful from the Rockies westward, with several prolonged dry spells. Openings that have come to fruition have continued to produce interesting logs including DTVs, with KNOP-DT 2 in North Platte becoming a frequent flyer in many locations. Tropo hasn't been too active yet but we look to get it going throughout August.

Enjoy the reports this month which feature many of our DXers' last ever U.S. full-power analog receptions. We have contributions from John, Dave, Paul, William, and Dennis inside this edition of WTVDX.

**John Ebeling**  
 6843 Hwy. 47  
 Alborn, MN 55702

Another report prior to the death of U.S. analog TV. Canada has been active, as well as NAB videos up to the July cut off. Reception from my cabin in Alborn, MN All analog reception.

MAY 21, Es  
 1900-1930. Unid ABC-2 with eastern time -

May 22 Es  
 1730 WBRZ-2 LA

May 23  
 2100 KBEJ-2 TX

May 25  
 2100 Unid ABC station

June 14 Es  
 1030 KPRC-2 DTV info w/ crawl & call

June 16 Es  
 0930 Unid Canadian-2 with flood watch for Chatham & Surrey noted.  
 0935 CITY-2 no local ID

June 17 Es  
 1700 Global-2  
 1730 CBC-2 French

June 18 Es  
 2000 CICT-2 Calgary Farmers Market ad, so it was Calgary.

June 20 Es  
 1655 WUND-2 NAB DTV stuff.  
 1920 Unid-2 NAB stuff w/unreadable calls & 2 in LRC

June 21 Es  
 2100 WUND-2 ID w/xltrs noted

### June 29 Es

2330 Unid-2 WW wrestling bout

2340 Unid-2 CBC logo in LRC

### July 3 Es

1945 WUND-2 Excellent pix at times.

1800 Unid-2 City & 14 in ULC inside a Maple Leaf

### July 6 Es

1435 Unid-2 Canadian w/Bonnie Hunt show (City TV logo)

1450 Unid-3 CTV w/olympic rings

1451 Unid-2 CBC w/Martha Stewart show

1510 Unid-2 Global TV w/ CBS eye in LRC (probably a soaper)

### July 8 Es

1830 Unid-2 CITY

### July 10 Es

1300 CICT -2 Calgary

### July 11 Es

0915 KPRC-2 TX Rather ironic, as KPRC-2 was one of my first TV ID's from years ago, and now it's the last U.S. analog station to be received.

### **Dave Pomeroy**

2321 SE Libra Ct.

Topeka, Kansas 66605-3505

[davepomeroy@sbcglobal.net](mailto:davepomeroy@sbcglobal.net)

### June 2009

16 Es 1835 WPBT-2 Miami, FL  
 1855 WUFT-5 Gainesville, FL

17 0845 WUND-2 Columbia, NC  
 Tr 0850 KHAS-DT 5 Hastings, NE  
 0915 KLKN-DT 8 Lincoln, NE

0925 KSIN-DT 28\* Sioux City, IA  
 KTIV-DT 41 Sioux City, IA  
 0930 KBIN-DT 33\* Council Bluffs,  
 IA  
 0935 KTIN-DT 25 Ft. Dodge, IA  
 KYNE-DT 17 Omaha, NE  
 KSMN-DT 15 Worthington,  
 MN  
 0955 KCAU-DT 9\* Sioux City, IA  
 18  
 Es 2010 CKSA-2 Lloydminster,  
 AB  
 2015 WFMY-2 Greensboro, NC  
 19  
 0840 XEPM-2 Juarez, CI  
 XEJ-5 Juarez, CI  
 0910 XEFB-2 Monterrey, NL  
 20  
 2125 WFMY-2 Greensboro, NC  
 22 Tr 0600 KSFX-DT 28 KYTV-DT 44  
 KOZK-DT 23 KSPR-19  
 Springfield, MO  
 Es PM XEPM-2 WUND-2 WPBT-2  
 WUFT-5 nightlights  
 23 Tr 0940 KSCW-DT 19 Wichita, KS  
 (new call using old KWCH-19  
 transmitter/tower licensed to Hutchinson)  
 KCWI-DT 23\* Ames, IA  
 (flashcut)  
 1000 KSIN-DT 28 KMEG-DT 39  
 Sioux City, IA  
 1005 KTIN-DT 25 Ft. Dodge, IA  
 KTBO-DT 15 Oklahoma City,  
 OK  
 1015 KAUT-DT 40 Oklahoma City,  
 OK  
 Es 1100 XHRIO-2\* Matamoros, TM  
 24  
 Tr 0410 KFPX-DT 39 Newton, IA  
 KQTV-DT 7 St. Joseph, MO  
 Es 1100 XEPM-2 Juarez, CI  
 25  
 1020 XEPM-2 Juarez, CI  
 1035 WPBT-2 Miami, FL  
 1255 WFMY-2 Greensboro, NC  
 1300 WUND-2 Columbia, NC  
 CICT-2 Calgary, AB  
 (Global Manitoba weather)  
 1830 CBWYT-2\* Mafeking, MB  
 CKND-2 2\* Minedosa, MB  
 Tr 2135 KHAS-DT 5 Hastings, NE  
 KSNB-DT 4 Superior, NE  
 2135 KHNE-DT 28\* Hastings, NE  
 26  
 0615 KCAU-DT 9 Sioux City, IA  
 0617 WOI-DT 5\* Ames, IA  
 0640 KSIN-DT 28 Sioux City, IA

KAUT-DT 40 Oklahoma City, OK  
 0800 KMEG-DT 39 Sioux City, IA  
 Es 2000 XEPM-2 Juarez, CI  
 Spanish on channels 2-6  
 Tr 2130 KCWI-DT 23 Ames, IA  
 2135 KWQC-6 Davenport, IA  
 WYZZ-DT 28\* Bloomington, IL  
 2330 KCCI-DT 8\* Des Moines, IA  
 2350 WHBF-DT 4\* Rock Island, IL  
 K45IO-45 Kansas City, MO  
 27  
 MO  
 0000 KNLJ-DT 20 Jefferson City,  
 0010 KOCW-DT 14 Hoisington, KS  
 KSNC-DT 22 Great Bend, KS  
 0400 KMJT-CA 15 Manhattan, KS  
 K51GC-51 Salina, KS  
 K25DS-25 Junction City, KS  
 K28HT-28\* Kirksville, MO  
 0430 WCIA-DT 48\* Champaign, IL  
 WRSP-DT 44\* Springfield, IL  
 0500 KFVT-LP 40 Wichita, KS  
 Es 2210 WFMY-2 Greensboro, NC  
 30  
 1000 CKAL-1 2 Lethbridge, AB  
 July 2009  
 1  
 0935 WPBT-2 Miami, FL  
 1025 WFYY-4\* Greenville, SC  
 1030 WFMY-2 Greensboro, NC  
 1205 WUFT-5 Gainesville, FL  
 2  
 0830 WFMY-2 Greensboro, NC  
 0835 WPBT-2 Miami, FL  
 0850 XEPM-2 Juarez, CI  
 1830 WUND-2 Columbia, NC  
 1833 WBRA-DT 3 Roanoke, VA  
 1905 KYW-3 Philadelphia, PA  
 1910 WPVI-DT 6\* Philadelphia,  
 PA  
 6.3 WPVI WX  
 Tr 2150 KLRT-DT 30\* Little Rock, AR  
 KARK-DT 32\* Little Rock, AR  
 2200 KTPX-DT 28 Okmulgee, OK  
 2205 KRSC-DT 36 Claremore, OK  
 2225 KHOG-DT 15 Fayetteville,  
 AR  
 2230 KHNE-DT 28 Hastings, NE  
 2240 KAFT-DT 9 Fayetteville, AR  
 3 Tr  
 NC  
 1000 WFMY-2 Greensboro,  
 1040 WUND-2 Columbia, NC  
 1630 French on 2 and 4 (parade)  
 4  
 2015 WFMY-2 Greensboro, NC  
 5  
 0050 WUND-2 Columbia, NC  
 2000 XEFB-2 Monterrey, NL  
 2015 XHWX-4\* Monterrey, NL  
 6  
 1500 XHAJ-5\* Las Lajas, VER  
 WPBT-2 Miami, FL  
 1520 -2 Galavision  
 1735 KYW-3 Philadelphia, PA

1755 -5 "Fox 5" nightlight  
 1805 WGBH-2 Boston, MA  
 1807 WUND-2 Columbia, NC  
 1825 WRGB-DT 6\* Schenectady,

NY

7 Tr 0705 KMEG-DT 39 Sioux City, IA  
 Es 1550 WUND-2 Columbia, NC  
 1910 WPBT-2 Miami, FL  
 1915 WFMY-2 Greensboro, NC

8 1330 "Loony Tunes" in Spanish  
 1430 XEWO-2\* Guadalajara,

TA "TVT"

1433 -2 "channel 7"

soccer

Tr 2200 KOCO-5 Oklahoma

City, OK

Es 2300 XHBS-4\* Los Mochis,

SN

9 1250 CBWFT-3 Winnipeg, MB  
 1300 CBWYT-2 Mafeking, MB  
 1700 XHTAU-2\* Tampico, TM  
 1730 WUND-2 Columbia, NC  
 WYFF-4 Greenville, SC  
 WFMY-2 Greensboro,

NC

1735 KYW-3 Philadelphia,

PA

(it looks like this is my last full-  
 power analog skip)

2240 XHBC-3 Mexicali, BN

10 Tr 0655 KOCW-DT 14 Hoisington,  
 KS

KTBO-DT 15 KAUT-DT 40

KOCO-5 OKC

1050 XEPM-2 Juzrez, CI

1600 XHCGA-6\*

Aguascalientes, AG

1800 XEJ-5 Juarez, CI  
 -4 Televisa

11

1900 CICT-2 Calgary, AB

1955 CFCN-4\* Calgary, AB

2100 CKAL-1 2 Lethbridge,

AB

It's been an interesting month with most of the U.S. analog low band stations gone. That has sure helped with 2, 4 and 5 gone in the area. It's fun to see some skip with little or no CCI. A couple of new DTVs via skip--both on channel 6. It looks like KMBC-9 will stay to the very end. Tomorrow no full power analogs. KYW-3 was my last analog US skip. I've been watching off and on since 1953.

**Paul Mitschler**

5705 Jessica Ct. NW  
 Albuquerque, NM 87120  
 p.mitschler@gmail.com

I put up my old rotor, VHF-UHF fringe antenna, and Kitztech low noise amp. when my local analogs signed off. After digging out my old Sheritech converter, I was able to feed video signal into a B&W 9 inch monitor for a very detailed picture. Now thanks to all the help from WTFDA.org and Google, I am learning to DX Mexican and Canadian TV.

**June 2009**

21 Es 1340 KTBS 3 Shreveport, LA  
 730

23 Es 0916 unids 2 and 3 with "Tom Cat"  
 cartoon(XHBQt-3)  
 0934 unids Mexican 3 and 5  
 looks like program for  
 kids

26 Es 1140 unid 2 Spanish with cochannel  
 NAB loop in  
 background.

1145 XHY 2 Merida, YUC

862

1202 unid Mexican on 2 with PBS  
 type

show.

1309 unid 2 with NAB loop from SE  
 1849 unid Canadian 2  
 with "City News International"

30 Es 1040 unid 2 showed Manitoba  
 1139 KTVN 2 Reno, NV

785

1147 KTVK 3 Phoenix, AZ

330 (not sure if this is Es )

1452 unid 2 with XEW

logo

1502 KOB-4 analog off air

Station was broadcasting this morning.

1505 unid 2 Spanish

cartoon

**July 2009**

02 Es 0904 unid-5 with "NEWS CHANNEL  
 5" From E-SE. (KSDK-5t)

(Channel 2 very weak, 3 and 4  
 missing) from E-SE

1127 unid-2 and 3 Canadian  
 English, channel 3 had CTV news (CFRnt)

1010 A Canadian 2 with Ford  
 commercial and a CBC logo.(CKSA t)

1129 A Canadian 5 with CBC  
 logo(CKALt)

Canadian 3 with a soap and  
 another cochannel with travelogue similar  
 to PBS here.

14:00 unid-2 with "70's Show" from north  
 CKND-2 Minnedosa, MB  
 (global) 1523 CKPR 2 Thunder Bay, ON 1280  
**03 Es** 0957 CKCK 2 Regina, SK 1067  
 1017 unids 2 and 3 with some type of children's show.  
 1258 CICT Calgary, AB 1167  
**04 Es** 1212 KTVK 3 Phoenix, AZ 330  
 KTVN 2 Reno, NV 785  
**05 Es** 1924 unid Spanish-2  
**07 Es** 1109 unid Spanish-2 with Jackson Funeral  
 1142 unid Spanish-2 with cartoon  
 1156 MUF to channel 5 unid Spanish 5 shows strong zero beat and Spanish Movie  
 1208 MUF to channel 6  
**08 Es** 1231 unid 2 "Looney Tunes" MUF up to channel 5  
**10 Es** 1013 Very strong Es from Canada  
 CKCK 2 Regina, SK 1067  
 CFCN 4 Calgary, AB 1167  
 1219 Sudden appearance of Es from Mexico over Canadian snow free  
 1232 CKCK 2 Regina, SK  
 1242 unid 2 with the 5\* logo  
**11 Es** 1216 unid Canadian 2  
**12 Es** 1007 Strong Es from Mexico  
 XEWOT with Sponge Bob  
 1500 muf Ch 6  
 1519 unid Mexican-3  
 ( Cinco logo ) with Michael Jackson program.  
 unid Mexican-5 with strong zero co-channel  
 1633 unid -2 with movie in English and Spanish sub-titles.  
 Co-channel showing Canal Cinco's and Michael Jackson video.  
 1647 unid-5 showing an advertisement for Phoenix.  
**13 Es** 1247 CKCK 2 Regina, SK 1067  
 1421 unid 2 from NE showing a white block with text. Could not

read but suspect a final analog message.

With little tropo and only Es, the closing of our local low band has opened up a lot here in Albuquerque. I am facing a steep learning curve with Canada and Mexico. My biggest problem, however, is to figure out just how to DX digitals with only strong signals from my north and south. I know digital are there as my signal level will frequently reach 48/100 yet it takes about 60 to decode. It will be one exciting day when I finally get one.

---

**William Draeb**

1304 Ellis St.  
 Kewaunee, WI 54216

Many new stations this month, mostly digital.

6/1 Es  
 1956 KAID-4 Idaho public TV ads/promos  
 2000 KIDK-3  
 6/2 Tr  
 1540 WLNS-59 DT  
WKAR-55 DT  
 1925 WXIN-45 DT 46.2 Wx 46.3 USN  
WTHR-46 DT 16.2 WHT  
WHMB-16 DT  
WFWA-40 DT  
 1935 WIPB-52 DT 52.2 Craft  
 2010 WRTV-25 DT 25.2 News 24/7  
 2035 WHCH-LP-40DT Jewelry Network  
 6/12 Es  
 0845 Chs. 2-6; S  
 0900 KATC-3  
 0930-1100 I was gone  
 1100 KXAS-5, KDFW-4, WRBL-3  
 1130 WFOR-4, WPBT-2  
 1135 WESH-2  
 1145 WUFT-5  
 GW  
 1155 WLUK-11 DT From Ch. 51  
 Tr  
 1600 WYTU-LD 17 DT From Ch. 63  
WVTV-18 DT From Ch. 61  
 Es  
 1910 KMID-2  
 KPRC-2 Bug in L.R.  
 1935 WBRZ-2 ID periodically  
 WWL-4 Bug in L.R.  
 Tr  
 2050 WSJV-28 DT From Ch. 58  
 6/13 Es  
 1715 2-4; East  
 Tr  
 1828 WZZM-13 DT From Ch. 39  
 1832 WWTW-9 DT From Ch. 40  
 1832 WPBN-7 DT From Ch. 50  
 2045 WPBN on both 7 and 50  
 simultaneously  
 6/14 Tr  
 0640 WNMU-13 DT From Ch. 33  
 Es  
 1045 XHPN-3 Tent. Soccer game



Tr  
1520 Kalamzoo-3 w/I.D. slide  
2015 W4CW "WVCY, Milwaukee" I.D. at  
2030 Tigerton WI 78 mi.  
6/15 Tr  
0745 WLLZ-LP-12 Tent.  
6/16 Es  
0840 WESH-2, WPBT-2  
0908 KPRC-2  
1000-1300 I was gone  
0928 WUND-2 "UNC" ID periodically  
KTBS-3  
0940 unID, Texas-4  
Tr  
1810 WJMN-48 DT  
6/17 Tr  
0620 WYOW-28 DT  
Es  
0918 2-3 E., Canada  
1000 WPBT-2  
Tr  
1145 WFXS-31 DT 31.2 Untamed sports  
network  
Es  
1725 2-6 E., Canada, no IDs  
1845 WGBH-2 Analog/digital hook  
ups with Norm Abrams and Kevin O'Connor  
6/18 Es  
1000 WGBH-2  
WPBT-2  
1100 Texas-4 tent.  
1820 KPRC-2  
1825 KTBS-3  
6/19 Es  
1019 KPRC-2 tent.  
1057 XEPM-3 I.D. slide  
1615 WBRZ-2 tent.  
1800 KPRC-2  
1850 WPBT-2  
6/20 Es  
1945 unID-4; SSW  
WPBT-2  
6/21 Tr  
0515 WOOD-7 DT  
0950 WPBN on 7 & 50 simultaneously  
1040 WBBM-12 DT  
1410 WMLW-LD-10 DT  
1950 WKOW-26 DT 26.2 RTN, 26.3 This  
network  
WCMU-26 DT From Ch. 56  
2000 WBUW-32 DT  
6/22 Es  
1420 WPBT-2  
WESH-2 tent.  
WUFT-5 tent.  
WKMG-6 tent.  
6/23 Tr  
1010 WCCO-4  
KSTP-5  
1950 WWUP-10 DT  
6/24 Tr  
0845 CICI-5 tent.  
CKCO-2-2 tent.  
CBLT-8-2 tent.  
6/25 Es

1835 KPRC-2  
1847 KDFW-4  
1855 KTBS-3  
KXAS-5  
1907 KOB-4 tent.  
unID-3; WSW w/digital conv. Message  
XHPN-3 tent.  
6/26 Es  
1155 WPBT-2  
1555 E. Canada 2-6  
1602 CJCH-5  
1700 WGBH-2 tent.  
1850 KPRC-2  
1915 KRGV-5 Conv. Box message  
w/large ID slide and local info  
6/27 Es  
1800 E. Canada 2-5 but weaker than  
yesterday  
1845 CFAP-2  
Tr  
2120 WILX-10 DT 10.2 News 10 Wx  
source  
6/28  
1100 WITI-6 Off the air after running  
conversion messages past 6/12 deadline  
6/28 Es  
1950 WRCB-3 Conversion message  
w/local info  
unID-2; SE  
WTTV-4 tent. Short skip if that's  
what it was  
2115 WUND-2  
6/29 Es  
0900 E. Canada 2-3  
CFAP-2  
0935 unID-2; SSE, cooking show  
More Canadian DX later in the day, no IDs  
  
Not much to get excited about on Es but  
managed to see a bunch of new digitals, some  
were unexpected.  
  
**Dennis Park Smith**  
3605 Sam Remo Drive  
Santa Barbara, CA 93105-2523  
Tel: (805)687-7803  
Times PST  
  
This report is for June 2009, all at Santa  
Barbara---my & Don V's places, plus brief drive  
Jun 26 to Santa Maria. From May 9 into June  
was stable foggy overcast & consistent highs  
of 69 F/20 C. Then, after early-June wx  
activity, highs became low 70sF/21+C. Not  
high inland temps, not sufficient for inversion  
layer contrast for good tropo, until Jun 26,  
finally, with higher inland temps, continuing  
stable & calm. Following is so-Calif coastal  
tropo to San Diego/Tijuana up to 200mi/320km.  
  
May30-Jun2 None (inversion layer too  
HIGH)  
Jun3 Very poor  
Jun4-16 None (rain 5<sup>th</sup>, sprinkle 15<sup>th</sup>)  
Jun16nite-19 Very poor

Jun 20-21 None (cool wx front)  
 Jun 22-25 Very poor  
 Jun 26 Poor, improving (getting hot inland & LOW layer)  
 Jun 27 Good +  
 Jun 28-30 Fair+

Analog stations observed **off air**:

Jun 12 & 13, Don's place, **Los Angeles area**  
 KABC 7 KCAL 9 KTTV 11 KCOP 13 KSCI 18  
 KCET 28 KPXN 30 KMEX 34 KTVB 40 KXLA  
 44 KFTR 46 KOCE 50 KVEA 52 KAZA 54  
 KDOC 56 KLCS 58 KRCA 62.

**San Diego** off prob Jun 12 but weren't so noted until tropo Jun 16, KPBS 15 KUSI 51. "Nightlight" analog stns on thru' Fri Jun 26, then off:

**LAngeles** KNBC 4 KTLA 5 KWHY 22 **SDiego** KNSD 39.

Jun 12&13, Don's place, channel changes noted (90-130mi, new underlined):

KABC-DT 7 ex53 Los Angeles CA  
KCAL-DT 9 ex43 Los Angeles  
 KTTV-DT 11 ex65 L.A. new tent, weak  
 KCOP-DT 13 ex66 L.A. new tent, weak  
 KSCI-DT 18 ex61 Long  
 Beach(/L.A.) new tent, weak  
 KCET-DT 28? Ex59 L.A. u/local K28GY, no signal  
KMEX-DT 34 Ex35 Los Angeles

KRCA-DT 35\* Ex68 Riverside(/L.A.)  
KCBS-DT 43\* Ex60 Los Angeles  
 \*These are ch35 (where KMEX-DT was) & ch43 (where KCAL-DT was). I don't know if KRCA-DT & KCBS-DT 43 are new as "DT ch. Changes", or not new as "call changes on existing DT ch's." With DT ch. Juggling, I've never had this occur before.

Jun 22 Es chs 2-5 apx 1630-1730 all Spanish no IDs

Jun 27 tr, good at Don's place  
 KFMB-DT 8 San Diego CBS (175 mi)  
 KGTV-DT 10 San Diego ABC (175)  
 XHUAA-DT 22 Tijuana BN XEW (200)  
 KETV-DT 23 Tijuana CW (200)  
XHAS-DT 34 Tijuana Telemundo (200)  
K61GH 69 National City CA MTV3 (185)  
 Among other San Diego/Tijuana prev seen. SBarb DTV total is now 41 or 43\* (4 or 6\* new).

Jun 30 tr, fair at Don's place  
 Ch 56 poss Tecate BN translator of XHUAA 57 (same pgm on both) new tentative (200)  
 XHUAA 57 Tijuana XEW (200)  
 K57KF 57 Van Nuys CA Almavision (apx 90)  
 Among other prev-seen & noted stations.

Best of DX to All Dennis



**IN MEMORY OF MIKE DISERIO**

Hi! I'm Mike DiSerio. You've seen me over and over again in those annoying DTV videos. Well, the transition is over and you won't be seeing those again. But now I'm out of work and I need a new gig. I gotta eat, you know. So, for a while I'll be taking your orders at Taco Bell, at least for a couple of years until Canada transitions over to DTV. Recommend me to the Canadian government, will ya? I did a *mean* NAB video. I'm sure I can do a great one for them, too. Oh, by the way...does anyone have \$1.50 for a cup of coffee? I'm a little short right now. Thanks.

# SOUTHERN FM DX



**John Zondlo**  
**4009 Driftwood Circle**  
**Yukon, OK 73099**  
**southernfmdx@wtfda.org**  
**Deadline: 15th**

**August 2009**

**Fred Nordquist** – 147 Travis Hill Road –  
 Moncks Corner, SC – 33.21756N 79.95798W –  
 KJ4BUG Grid FM03AF – nordquis@homesc.com

Sangean HDT-1X (primary-RDS/HD IDs), APS13  
 @ 23' AGL

5/19 Es

1843 WFTF 90.5 VT Rutland 811

6/12 Gw

1112 WSPO 95.9 SC Isle of Palms, RDS PI:6B43,  
 PS: 95.9 FM FM95.9 –  
 Charleston's Greatest Hits,  
 HD 29

6/12 Es

1046 KTFW 92.1 TX Glen Rose, "Legends 92  
 FM" 1050

1112 KWWR 95.7 MO Mexico, RDS PI: 4C65,  
 PS: on...K 795

1113 KCHI 98.5 MO Chillicothe 882

1120 KFGE 98.1 NE Milford, RDS PI: 'WLI',  
 PS: Lincoln...Froggy 98,  
 K 1088

1120 KMGO 98.7 IA Centerville, RDS PI: 'WUW'  
 PS: KMGO-FM K 882

1126 KDHX 88.1 MO St Louis, HD 687

1129 KOKF 90.9 OK Edmond, RDS PI: 3601,  
 PS: AIR 1, rel 1010

1135 KYNF 94.9 AR Prairie Grove 708

1147 KIBZ 104.1 NE Crete, RDS PI: 2553,  
 "Pure Rock – The Blaze"  
 1054

1152 KIXR 104.7 OK Ponca City 996

1154 KRIG 104.9 OK Nowata, HD 926

1158 KQKY 105.9 NE Kearney, RDS PI: 3B5C,  
 PS: ME BY..., r 1157

1200 KBVA 106.5 AR Belle Vista 849

1203 KSLZ 107.1 MO St. Louis 687

1217 WSIE 88.7 IL Edwardsville 679

1221 KIOS 91.5 NE Omaha, HD 1040

1226 KTWI 93.3 NE Bennington, HD1/HD2 1042

1229 KQBW 96.1 NE Omaha, HD1/HD2 1036

1231 WBBA 97.5 IL Pittsfield 745

1236 KGBI 100.7 NE Omaha 1046

1245 KKRF 107.9 IA Stewart, "Real Country  
 K107 FM" 978

1253 KILV 107.5 IA Sioux City, "K-LOVE" 1076

1254 KBZI 107.1 KS Columbus 874

1255 KIKD 106.7 IA Lake City 1016

1256 KPTL 106.3 IA Ankeny, "Capital 106.3,"  
 HD1/HD2 947

1256 KDLS 105.5 IA Perry, SS 960

1303 KCCQ 105.1 IA Ames 964

1305 KRKN 104.3 IA Eldon, RDS PI: 3DF5,  
 PS: KRKN Country 860

1307 KAYL 101.7 IA Storm Lake 1050

1310 KWQW 98.3 IA Boone, RDS PI: 4BB3,  
 PS: 'KWPV' WOW TALK  
 958

1315 KJJY 92.5 IA West Des Moines, RDS  
 PI: 28C6, k 953

1317 KRSW 89.3 MN Worthington, HD 1130

1320 KBBG 88.1 IA Waterloo, HD 929

1320 KDCR 88.5 IA Sioux Center, "88.5 FM"  
 1109

1321 KICD 107.7 IA Spencer 1070

1322 KIHK 106.9 IA Rock City, RDS PI: 25E0,  
 PS: KIHK 1126

1326 KKLS 104.7 SD Sioux Falls, "Hot 104.7"  
 1172

1330 KUQQ 102.1 IA Milford, RDS PI: 4680, PS:  
 Best...Classic Rock 1077

1333 KUYU 100.1 IA Emmetsburg, RDS PI:  
 4578, PS: KUYU Y100.1,  
 Adult hits 1056

1336 KDAO 99.5 IA Eldora, soft r 948

1337 KWAY 99.3 IA Waverly, "Y99.3" 943

1338 KISD 98.7 MN Pipestone, "True Oldies  
 Channel" 1132

1352 KLMJ 104.9 IA Hampton 977

1354 KRRW 101.5 MN St. James 1077

1356 KLQL 101.1 MN Luverne, "K101" 1135

1405 KIXX 96.1 SD Watertown, "KIX" 1225

1407 KFMW 107.9 IA Waterloo, "Rock 108" 978

1417 KLQP 92.1 MN Madison, "Q92" 1188

1420 KQPR 96.1 MN Albert Lea, RDS PI: 3BD7,  
 PS: POWER 96, classic r  
 1012

1428 KKRC 93.9 MN Granite Falls, o 1159

1437 KMSU 89.7 MN Mankato 1066

1443 KQYK 95.7 MN Lake Crystal, "The Blaze"  
 1073

6/16 Es

1504 WOFR 89.5 MI Schoolcraft, "Family  
 Radio," rel 685

1507 WBCT 93.7 MI Grand Rapids, RDS PI:  
 5793, k 717

1815 KRST 92.3 NM Albuquerque, k 1514

2000 XHON 96.1 TA Tampico, RDS PI: 23F5  
 'KHON', SS, "Color 96.1"  
 1325

6/18 Es

1210 KQID 93.1 LA Alexandria, "Q93" 722

1212 KQHN 97.3 TX Waskom, RDS PI: 3B03,  
 PS: MIX 97.3, top 40 802

1212 KHKS 106.1 TX Denton, HD1/HD2 986

1217 KJKK 100.3 TX Dallas, RDS PI: 28D2, PS:  
 Song/artist Jack-FM, HD,  
 Adult hits 986

1219 KDMX 102.9 TX Dallas, RDS PI: 193B, PS:  
 Mix Mix 102.9, adult hits  
 986

1219 KSSM 103.1 TX Copperas Cove, "103.1  
 Kiss FM" 1061

1225 KTBQ 107.7 TX Nacodoches, RDS PI:4256,  
 PS: artist/song, classic r  
 864

1247 WPAE 89.7 MS Centerville, RDS PI: 7C48,  
 PS: GET OUT..., rel 665

1312 KWTX	97.5	TX	Waco, RDS PI: 4C1D, PS: artist/song, top 40 1020	1709 CHRI	99.1	ON	Ottawa 861
1312 KIOX	96.1	TX	Edna, k 1014	1720 WDRQ	93.1	MI	Detroit, HD 663
1321 KAGG	96.1	TX	Madisonville, RDS PI: A1A2 'WDY', PS: artist/song, "Aggie 96.1" 960	1742 WLXT	96.3	MI	Petosky, "Lite 96.3" 876
1335 KRZS	99.9	TX	Hunt, "The Rose 99.9" 1124	1757 WSFQ	96.3	WI	Peshtigo 923
1336 KISS	99.5	TX	San Antonio, RDS PI: 2706, "99.5 Kiss," HD 1113	1812 KHAQ	98.5	NE	Maxwell, RDS PI: 2282, PS: artist/song, classic r 1264
1340 KKBQ	92.9	TX	Pasadena, RDS PI: SS (HD1/HD2), k 948	1812 WWGM	93.1	TN	Alamo 546
1401 KQOK	107.9	TX	Beaumont, k, HD 885	1844 KRMG	102.3	OK	Sand Springs, RDS PI: 'WVO', PS: KRMG, t 938
1407 KAMA	104.9	TX	Deer Park, RDS PI: 1138, SS, HD, top 40 950	1857 KVUU	99.9	CO	Pueblo 1438
1407 KRBE	104.1	TX	Houston, SS, HD1/HD2 950	1900 KUTT	99.5	NE	Fairbury, RDS PI: 46D1, PS: Annt – 995, k 1055
1412 KILT	100.3	TX	Houston, HD 950	1907 KCKC	102.1	MO	Kansas City, RDS PI: 164E, Soft r 904
1416 KFNC	97.5	TX	Beaumont, "The Ticket," t, "EPN 97.5" 884	1907 KRNY	102.3	NE	Beatrice, RDS PI: 3E4E, PS: artist/song, k 1151
1420 KRRQ	95.5	LA	Lafayette 744	1910 KCJK	105.1	MO	Garden City, HD, r 909
1421 KTBZ	94.5	TX	Houston, RDS PI: 125F – 'KAZJ', PS: RADIORG The Buzz, HD1/HD2 952	1913 KJTY	88.1	KS	Topeka, RDS PI: 29CA, Rel 939
1453 KNDE	95.1	TX	College Station, HD 979	1920 KZTL	93.5	NE	Paxton, RDS PI: 53FD, PS: artist/song, k 1291
1537 KCLV	99.1	NM	Clovis, k 1332	1912 KMCCX	106.5	NE	Ogallala 1310
1537 KRMQ	101.5	NM	Clovis, RDS PI: 3E2C, PS: Greatest...Q101.5," o 1336	<u>6/27 Es</u>			
<u>6/20 Es</u>				1505 WMAU	90.3	MS	Oxford, RDS PI: 75EB 'WMPN' 594
2032 WMIS	92.1	MN	Blackduck, RDS PI: AFA1 'KAAA' 1256	<u>6/28 Es</u>			
<u>6/22 Es</u>				2020 WDCB	90.9	IL	Glen Ellyn, RDS PI: 5CC9, PS: PUBLIC 743
1243 KOUL	103.7	TX	Sinton, k 1097	<u>6/30 Es</u>			
1308 KSTX	89.1	TX	San Antonio 1067	0822 CBAF	88.5	NB	Moncton, EE 1195
1447 KKEN	97.1	OK	Duncan, k 1035	0840 WLIU	88.3	NY	Southampton, RDS PI: 7298, NPR 672
1503 KSOC	94.5	TX	Gainesville, HD 983	0925 WUNB	91.9	MA	Boston 791
1505 KHYI	95.3	TX	Howe 970	0932 WPVQ	95.3	MA	Greenfield, "Bear Country 95.3" 767
1511 KPLX	99.5	TX	Fort Worth, HD1/HD2 986	0940 WRIU	90.3	RI	Kingston 735
1617 KDCCD	92.9	TX	San Angelo, "Lonestar 92.9" 1207	1017 WBOS	92.9	MA	Boston, HD 794
1724 KACC	89.7	TX	Alvin, RDS PI: A136, PS: KACC89.7, classic r 936	1028 WTKK	96.9	MA	Boston, HD1/HD2 794
1815 KZBB	97.9	OK	Poteau, RDS PI: 521F, PS: KZBB 850	1037 WQSO	96.7	NH	Rochester 839
<u>6/24 Gw</u>				1038 WJZS	99.3	RI	Block Island, "Variety 99.3" 717
2017 W255BW	99.3	SC	Hollywood, RDS PI: 85C4 'WSPO', PS: 993WSPO SPORTS 99.3 FM 1390 AM 29	1040 WMEA	90.1	ME	Portland, HD 887
<u>6/26 Es</u>				1041 WEII	96.3	MA	Dennis, //WEEI sports 795
1112 CHFX	101.9	NS	Halifax, "FX 101.9" 1175	2120 WUPZ	94.9	MI	Chocolay Township, "94.9 The Bay" 1000
1130 CKBW	98.1	NS	Bridgewater 1130	<u>7/1 Es</u>			
1143 CJLS	93.5	NS	New Tusket, RDS PI: 28F4 'KJLS', PS: CJLS ADULT HITS 1072	1137 KTBG	90.9	MO	Warrensburg, "90.3 The Bridge" 867
1147 WFCR	88.5	MA	Amherst, HD1/HD2 753	1144 KDNS	94.1	KS	Downs, "KB Country 94" 1107
1149 CKJF	90.3	QC	Quebec, RDS PI: 'WSL', PS: SORTIRfm, FF 1042	1150 KXUS	97.3	MO	Springfield, "US 97" 786
1203 WFQR	93.5	MA	Harwich Port, RDS PI: 638D, PS: Frank FM – Artist/song FRANK-FM, adult hits 801	1152 KSKG	99.9	KS	Leoti, RDS PI: A492, k 1052
1207CBCT	96.1	PE	Charlottetown 1254	1152 KSKZ	98.1	KS	Copeland, RDS PI: 'WHP' PS: Z98- Z98, adult hits 1225
1212 CJMO	103.1	NB	Moncton, RDS PI: 'WBY', PS: C103 FM, classic r 1185	1153 KGMO	100.7	MO	Cape Girardeau 611
1307 WCPN	90.3	OH	Cleveland 571	1158 KIKS	101.5	KS	Iola, "Kix Country" 925
1619 CHOI	98.1	QC	Quebec, RDS PI: 6898 'WHOI', PS: Radio X 1039	1200 K202CJ	88.3	NE	Deshler, RDS PI: FFFF PS: BR MY BRIDGE KROA, xltr 1089
1701 WMHQ	90.1	NY	Malone, Mars Hill Network, Rel 850	1207 KGCR	107.7	KS	Goodland 1265
				1218 KFDI	101.3	KS	Wichita, HD 1035
				1224 KYGO	98.5	CO	Boulder, RDS PI: A50A 1470
				1228 KSKU	94.7	KS	Sterling 1083
				1240 KLMR	93.5	CO	Lamar, "Sunny 93.5," Classic hits 1310

1240 KZRD 93.9 KS Garden City, "93.9 The Buzzard" 1186

7/2 Tr  
0945 WAIB 103.1 FL Tallahassee, "The New 103.1 The Wolf" 313

7/2 Es  
1114 KSWN 93.9 NE McCook, RDS PI: 41D1 PS: 95.7, k 1341

1918 WGPZ 96.1 MN Colevaine, Real Country 1197

1920 WKLK 96.5 MN Cloquet 1140

1944 KGFX 92.7 SD Pierre 1332

1958 KYCK 97.1 MN Crookston, RDS PI: 4F9E, PS: P1Noin, k 1336

2003 KRWK 101.9 MN Fargo, "Rock 102" 1312

2005 KZLT 104.3 ND East Grand Forks 1339

2007 KBGY 107.5 MN Faribault, SS, "La Buena" 1049

2011 KCCD 90.3 MN Moorhead, RDS PI: 157F, PS: MPR, NIS nx 1279

2011 KCCM 91.1 MN Moorhead, RDS PI: 1588, PS: MPR, CMS classical 1279

2025 WONC 89.1 IL Naperville, RDS PI: 7AF4, PS: Pure Rock, r 743

7/3 Es  
1736 KBIM 94.9 NM Roswell 1377

7/6 Es  
1506 HRRP 89.7 HN Tele, RDS PI: F000 'WVO', SS, "Stereo Club 89.7" 1277

1852 WDZZ 92.7 MI Flint, RDS PI: 5F37, PS: WDZZ-HD, o 706

1900 WTGV 97.7 MI Sandusky, Tigers BB net 720

1912 CKYC 93.7 ON Owen Sound, RDS PI: Country 93 777

1918 WNBY 93.9 MI Newberry, "Oldies 93" 953

1922 CFMZ 96.3 ON Toronto, clscl963.com 721

1922 CJKX 89.9 ON Sunderland, RDS PI: 18C8 'KDIM' 766

1929 WKFM 96.1 OH Huron, RDS PI: 6F9E, PS: K96-WKFM, k 575

1936 CJDM 92.1 QC Drummondville, RDS PI: ENERGIE, FF 961

1947 WGIX 98.3 NY Gouverneur, "Cool 95.3 & 104.1" 806

7/7 Es  
1725 WCBS 101.1 NY New York, RDS PI: 5A1C, PS: Broadway, adult hits 616

1736 WUNY 89.5 NY Utica, RDS PI: 8AE2, PS: WUNY-FM, HD1/HD2, c 733

1750 WLZW 98.7 NY Utica, RDS PI: 7454, soft r 732

1756 WCIB 101.9 MA Falmouth, RDS PI: 5AC1, Adult hits 771

1822 WXRT 93.1 IL Chicago, RDS PI: 93X 737

1827 KUWS 91.3 WI Superior, RDS PI: 471E, PS: WPR RBS 1133

1835 WIHC 97.9 MI Newberry, RDS PI: 6A80, PS: The Bear, "The Bear" 953

1900 WRIT 95.7 MI Milwaukee, RDS PI: 'KAXZ,' PS: Save your radio, adult hits 806

1907 WIZM 93.3 WI LaCrosse, HD1/HD2/HD3 954

1908 KQRS 92.5 MN Golden Valley, HD1/HD2 1078

1912 KKMA 99.5 IA LeMars, RDS PI: 2BA0, PS: KOOL99.5, classic r 1092

1917 KYTC 102.7 IA Northwood, "107.7 The Blaze" 1007

1917 KSTZ 102.5 IA Des Moines, HD 952

1922 KATZ 100.3 MO Bridgeton, RDS PI: 1207 694

1932 KZZT 105.5 MO Moberly, RDS PI: 54A1, PS: KZZT KZ105, o 812

1935 WVPR 89.5 VT Windsor, VPR 814

1945 KATI 94.3 MO California, RDS PI: 94.3, k 786

1952 KMZU 100.7 MO Carrollton, RDS 859

2001 KMKF 101.5 KS Manhattan, RDS PI: 'WVN,' PS: K-ROCK 1008

2005 KQLA 103.5 KS Ogden, "The Q" 1013

7/8 Es  
1242 KBTQ 96.1 TX Harlingen, SS 1175

1254 KRYS 99.1 TX Corpus Christi 1116

1305 KKPN 102.3 TX Rockport, "K99" 1089

1312 KNDA 103.5 TX Alice 1125

1322 KMIQ 104.9 TX Robstown, "Q104.7" 1131

All above are new loggings. Also many relogs in the openings. FM totals = 1918, exceeding in 4 years what it took 35 years in Clay NY to reach, 1908. HD = 188. New political unit logged this year was RI. It's a lot easier now to log new stations with improved radios and with RDS/HD and internet access to databases and various ID aides.

-----  
**Doug Smith** – W9WI - Pleasant View, TN

6/12 Es  
1011 KCFR 90.1 CO Denver, "KCFR News" 1011

6/14 Tr  
2000 WUBL 94.9 GA Atlanta, "94-9 The Bull" 237

6/16 Es  
1213 WGES 90.9 FL Key West, "por 90.9 Genesis" 868

1218 WLRN 91.3 FL Miami, "91.3 WLRN and 91.5 WKWM" 826

1218 WXDJ 95.7 FL North Miami Beach, Miami ads, RDS PS: WXDJ 839

1218 WJBX 99.3 FL Fort Myers Beach, RDS PS: WJBX 748

6/22 Es  
1218 WKCP 89.7 FL Miami, "Classical South Florida" 845

1220 WJBX 99.3 FL Fort Myers Beach, "New Rock Now 99X," RDS PS: WJBX 748

6/26 Es  
1217 WZPR 92.3 NC Nags Head, "hallhondaelizabethcity.com" 640

1218 WMGE 94.9 FL Miami Beach 826

6/28 Es  
1908 unID 93.5 ?? ??, "93.5 The Moose"

7/6 Es  
1906 unID 92.7 ?? ??, Canada, unfamiliar rock/pop music, half EE, half FF w/FF anncrs, presumably

Canada, only Es on band

7/9 Es  
1028 KCFR 90.1 CO Denver, "Colorado Public Radio" 1011  
1103 KRAI 93.7 CO Craig, "...station KRAI.." 1142  
1109 KLCY 105.5 UT Vernal, "Eagle Country 105.5 KLCY" 1251  
1110 KPRB 106.3 CO Brush, "Morgan County's favorite radio station is B106" 935  
1117 K228DL 93.5 CO Wray, KUNC ID (3<sup>rd</sup> time for this translator!) 857  
1121 KZTL 93.5 NE Paxton, "Wild Country 93-5," North Platte ads 830  
1121 KSME 96.1 CO Greeley, RDS PI: A4C4 1006  
1125 KJLTp 94.9 NE North Platte, rel light mx, in mono, very strong  
1200 KLWV 90.9 WY Chugwater, legal ID 1041  
1205 KEMC 91.7 MT Billings, RDS PI: 1BCA, PS: KEMC-YPR 1282  
1205 KZWY 94.9 WY Sheridan, RDS PI: 5458 1168  
1213 KRKlp 99.5 WY Newcastle, "99.5 ESPN Sports Radio"  
1215 KKPL 99.9 WY Cheyenne, RDS PI: 2BF9 1016  
1218 KRRR 104.9 WY Cheyenne, sung ID, o, area ads 1000

7/13 Es  
1057 KOFXp 92.3 TX El Paso, "92-3 The Fox" 1151

7/15 Es  
1304 XHPP 93.5 VC Panuco, "Extrema 93.5" 1171  
unID 96.1 ?? ??, H-E-B ad in SS, KBTQ?

7/16 Tr  
0743 KMST 88.5 MO Rolla, "This is public radio KMST" 272  
WSIU 91.9 IL Carbondale, HD, text ID only 148  
0855 WRJJ 104.3 KY LaCenter, "104.3 WRJJ" 114  
KWMU 90.7 MO St. Louis, HD, text ID 232  
KIHT 96.3 MO St. Louis, text ID only, audio impossible due to local WCJK 232

7/17 Es  
1108 unID 95.3 ?? ??, "K-Love"  
1113 unID 89.5 ?? ??, Radio-Canada talk, in FF  
1116 CJMFp 93.3 QC Quebec, "www.servlinks.ca," an ISP in Quebec, Montreal, Matane and Riviere-du-Loup  
1116 CFYXp 93.3 QC Mont-Joli, FF, battling with CJMF for the channel  
1138 unID 93.5 ?? ??, "93-5 The River"  
1155 CFRK 92.3 NB Fredericton, "fredfm.ca" 1244  
1203 CKNI 91.9 NB Moncton, "News 91-9" 1326  
1219 unID 99.3 ?? ??, "99-3 The Eagle"  
1236 KKYA 93.1 SD Yankton, ads for Cedar County Fair and Moody's Ford in Niobrara, sung ID 700  
1240 KJRV 93.3 SD Wessington Springs, "Slumberland, in Mitchell,

one block north of the Corn Palace 798  
1244 KRRR 104.9 WY Cheyenne, ID, "Kia of Cheyenne 1000  
KATR 98.3 CO Otis, "wolfauto.com," "Eastern Colorado," Akron ad 901  
1253 KZZI 95.9 SD Belle Fourche, Black Hills auto parts ad 1034  
KNEB 94.1 NE Scottsbluff, Cheyenne, Torrington and Morrill ads 959  
1301 KEPC 89.7 CO Colorado Springs, "KEPC 89.7 FM" 980  
KKFN 104.3 CO Longmont, "Sports Radio, The Fan" 996  
1327 KXMT 99.1 NM Taos, "New Mexico Educators' Credit Union," ad for Tejano concert at Shadows Lounge and Grill in Taos 1026  
1336 KLMR 93.5 CO Lamar, "Powers Medical Group in Lamar," "La Junta Furniture" 859  
1403 KWYK 94.9 NM Aztec, "94-9 Quick" 1169  
1404 KTGW 91.7 NM Fruitland, "PCL Radio Network" 1169

7/18 Tr  
0837 WSDM 92.7 IN Brazil, "Terre Haute's country \*and\* rock station, Rock 92-7" 214

\*\*\*\*\*

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

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

6/15 Tr  
0829 KTHT 97.1 TX Cleveland, traffic, "Country Legends"  
1950 KJMH 107.5 LA Lake Arthur, LSU baseball, local spot

6/18 Tr  
0818 WZKX 107.9 MS Bay St. Louis, "Kicker 108," k, car dealer spot and local birthdays

7/1 Es  
1022 WYSO 91.3 OH Yellow Springs, HD1/HD2  
1042 WFGM 93.1 WV Barracksville, ID, spots  
1103 WZTK 101.1 NC Burlington, talk, nx, spots  
1115 WUAW 88.3 NC Burlington, r, Triton HS radio

7/9 Es  
1555 KAJM 104.3 AZ Camp Verde, Phoenix spots, "Mega 104.3"  
1600 KGBB 103.9 CA Edwards, ID, r  
1703 KOFX 92.3 TX El Paso, r, "The Fox," matched webstream  
1900 WGPS 88.3 NC Elizabeth City, ID

7/10 Es  
1004 KWCD 92.3 AZ Bisbee, k, "Cochise County Radio"  
1237 KDBL 92.9 WA Toppenish, calls, k, w, "The Bull"  
1241 KGON 92.3 OR Portland, r, ID

7/12 Es  
1647 XHGDA 89.1 JA Guadalajara, r, "Maxima FM"

## 6 Meter/2 Meter Amateur DX



50 Mhz  
The *Magic* Band



**Peter Baskind, N4LI**  
**3225 Forest Hill-Irene Rd**  
**Germantown, TN 38138**  
**N4LI@ARRL.net**

We have turned the corner on the VHF sporadic-E ( $E_s$ ) season. As I write, we're well into July, signaling the final few weeks of predictable DX. I am sure opinions would vary as to how good the season has been thus far, but by my measurement, it has been about average. June's two big calendar events – the June ARRL VHF Contest the weekend of the 13<sup>th</sup> and ARRL Field Day two weeks later-- have come and gone. For the VHF enthusiast, conditions were disappointing.

The VHF Contest, or simply "The Contest" in the VHF community, was not without openings. For me, there were many stations worked, but most were along the Eastern Seaboard, the part of the country I tend to work on 6 meters (50 MHz) most often. In fact, when the contest began at 1800 UTC, pile-ups were common. But things cooled from there. I did manage a nice handful of contacts into the Caribbean to break the monotony of FMs and FNs. From what I could gather, folks on the West Coast were less lucky; I am sure many spent much of the contest mowing the lawn or just sipping a cool one until the band opened.

VHF activity for Field Day was underwhelming. Here in the middle of the country, 6 meters only opened for a short time, on Saturday night. And then, the footprint was narrow. But, Field Day is not really about chasing grids. It's about practicing for the time that operation free of the infrastructure might be needed, and from that perspective, it's always a success.

My Field Day was Spartan, to say the least. Instead of setting up an elaborate station with generators, transportable towers, multiple radios, and a barbeque grill, I went for something as simple as possible. My station could not have been more portable; it all fit in a backpack. I rode a bicycle to a park a few miles from home and operated via battery power.

I had hoped to focus on 6m for Field Day and left the decision what equipment to take until the last minute. Sadly, the band was flat, so I had to settle for HF (in this case, 20m). You can see the wimpy station I took – just a 10W radio and a wire dipole that was hung about 30' in a tree.



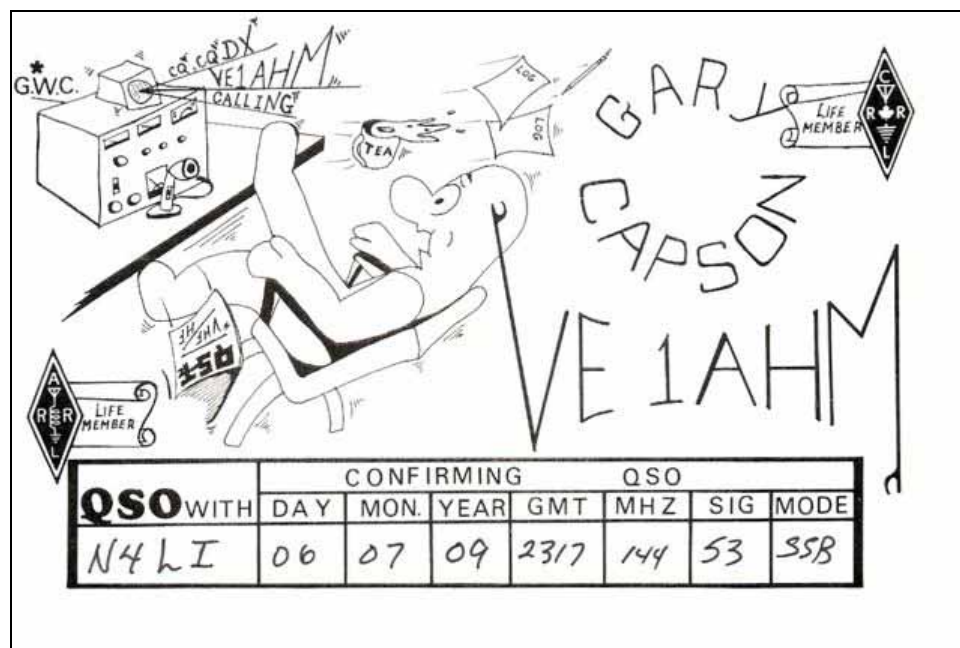


It was a fun afternoon, but it sure was hot. Fortunately, the park was well-shaded and there was a water fountain. Bonus.

\* \* \*

Outside of contests, VHF has been active, as one might expect mid-Summer. Highlights here in Memphis included some nice Caribbean DX, bringing in countries like Guyana, Brazil, and new DXCC entity, San Andres Island (HK□) with 5J0BV. An opening to the region got so strong on June 22<sup>nd</sup> that I was able to work the US Virgin Islands at just 5 Watts, breaking a nice pileup to make an exchange with WP2B. It's not a new entity or grid, but it was a first for me QRP. Europe was workable here mid-continent on the 26<sup>th</sup>, keeping me and my neighbors quite busy.

July 6<sup>th</sup> brought a very nice 2m E<sub>s</sub> opening. As often is the case with 144 MHz E<sub>s</sub>, the opening didn't last long – I heard signals for only about a half hour. Still the APRS logger showed a very well-defined starburst pattern. By the time the dust settled, I had worked VE1AHM/FN76 in New Brunswick. At over 1500 miles, that's my most distant 2m contact to date.



As we end the 2009 E<sub>s</sub> Season, I'll be needing your loggings, QSL pics, questions, or comments about VHF DX to have column material during off-season. Any suggestions are appreciated!



# Nielsen Finds Many Homes Still Without TV, Others Using Bootleg Analog Signals

Joe Mandese, Jul 21, 2009 08:31 AM

More than a month after the U.S. TV industry converted to digital from analog broadcast spectrum, about half a million U.S. homes still are not receiving any television signal. The number would be higher, a top Nielsen executive explained in an update to clients on Monday, but many of those households are continuing to receive signals via unintended sources despite the federal government's plan to pull analog plug.

"As of June 28, 60% of completely non-ready homes were still able to view some television by watching a low-power station, a foreign station near the Canadian or Mexican borders or a U.S. broadcast station that is available to them via a 'translator'," Nielsen President of Media Client Services-North America Sara Erichson explained in a notice sent to clients. "As a consequence, television viewing in these homes has not disappeared completely, although viewing choices are extremely limited."

How limited may not be clear for months to come, but the transition is likely to have at least some material impact on the way many Americans watch television, and on the ratings broadcast TV stations use as the basis of charging advertisers.

Erichson also disclosed that stations that transitioned to digital broadcast signals on the federally mandated June 12th deadline, "saw some decline in viewing in the two weeks immediately following the transition compared to the two weeks prior."

She did not disclose how much, but she said that stations that changed their digital signal from UHF to VHF were "most affected," though the decline in viewership has been "largely temporary." "In recent weeks we have seen audiences returning and as more homes sort out problems with antennas and converters this return to prior levels should continue," she explained.

Erichson also disclosed some other encouraging news for the broadcast TV industry, noting that a Nielsen survey of households that have not yet made the transition to digital TV signals found that "virtually all" plan to do so eventually.

Erichson also noted that the final phase of the digital transition wasn't nearly as big a boon for cable and satellite operators as many might have imagined. Instead of rushing to covert to digital satellite TV services, as many households did in the year or so leading up to the transition deadline, Erichson said Nielsen found that most households simply opted to buy a digital converter box.

"Among those TV sets that became digitally ready in the few months just prior to June 12th, 77% were connected to a digital converter box, 19% to cable and 4% to DBS," she said, adding, "This contrasts greatly to trends seen in the very early months, when the majority of the transitioning homes acquired cable or DBS in order to receive over-the-air television."

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## FIRST DTV SIGNAL DECODED BY METEOR SCATTER DX

Girard Westerberg Does It on July 23 ,2009

I've been sitting here listening to channel 2 audio all morning, and noticed quite a few meteor bursts. I went to scan DTV for tropo and had just scanned up to channel 5. I heard a big thump on channel 2's audio, along with a nice picture. At the same time a couple of frames of something decoded on channel 5 DTV. The PSIP came up as "KIVV-DT" with a 5-1 mapping. It was way too fast to get a screen shot of the video, but I did get a screen shot of the manual tune, showing that it was there. I'll have that posted at [www.DXFM.com](http://www.DXFM.com) shortly.

This corresponded with a nice trace on my channel 2 DTV spectrum lab pilot plot which I use to detect Es and enjoy watching for meteor pings. As fate would have it, I had my antennas pointed in the direction of KIVV.

So the answer seems to be, YES you can decode DTV via meteor scatter.

## WE NEED MORE SENSITIVE DTV TUNERS!

Selected Posts From the WTFDA's tvfmdx Email List.

To anyone's knowledge is any place designing a next generation of more sensitive DTV chip? Or a special PSIP "reader"?

It's pitiful how strong a station still has to be to decode when its coming in. The hobby could become a lot more interesting and fulfilling with a better chip.

I know some people who would pay a premium price for one... –Jeff Kadet

---

Adding some Line TV amps should help.

-John Lentz

---

Line TV amps are just for compensating for line loss. The signal-to-noise ratio on the DTV's is already fairly high. They just won't decode even with a decent SNR. –Bill Hepburn

---

Nope, already tried that. IF you are within 40 miles of a full power DTV, the line amp kicks in too much signal, the DTV decoder chip sees it as multipath interference and shuts the entire box down - in other, words, nada. Everything you had in is suddenly gone, even your locals. My antenna installer colleague and I have gone around in circles about this. Colorado Springs stations are 105 miles from us - we can get their signals about 60 % of the time, but rarely a decode. The signals will sit there for hours at 30-40 % on the Zenith and Insignia boxes.

-Jim Thomas

---

My thoughts exactly, Jeff. If the dtv receivers don't improve, I might just give up on tv dxing.

I have seriously considered designing a PSIP reader. It's the only part of the signal we care about and it's just a few bytes of information.

I don't know how easy it is to obtain the dtv chipset. I think I will tear apart my crappy Apex stb and see what's in there. If I can tap into the dtv packet somehow, grabbing the psip header should be simple. Maybe the dtv chip has a serial output. I will check into it.

-Bob Timmerman

Hold your horses guys. I'm in the middle of doing some serious research on this and have already learned a bit I did not know before. For one thing, LG supposedly made the best tuner chip - BUT - they messed up by introducing a threshold mechanism in the circuitry in their CECB's, that despite how good the chip might be, the threshold suppresses the signal until the signal strength is sufficient to compensate for any multipath distortion that is encountered on the tuned channel. I have witnessed this first-hand. On the DTV channels from Colorado Springs, which are 105 miles to my south, I have tuned to the RF channel and watched the

signal strength jump to 70%, only to immediately drop to 30% before there is any opportunity to grab the PSIP information or even decode. I DO NOT live in the mountains, where I would expect serious multipath issues. I am to the east and have to use the antenna parallel to the mountains to receive Colorado Springs tv. On that note, the mountains may be introducing some second and third images.

Further research: I am reading the papers on the Microtune and Sanyo tuner chips. I am under the impression that these two tuners are much less prone to interference from multipath distortion, as well as every bit as sensitive as the LG chip. I have read some independent studies that the Sanyo DTV tuner chip beats the LG chip hands down in decode time and will hang on to a signal longer, even if it is going through major pixelating issues. I will be doing more research on these and if I can locate from internet retailers the particular brands of converter boxes that use the two chips, I will be purchasing some very soon and doing exhaustive testing. –Jim Thomas

---

One thing to keep in mind is that the "signal meter" on the LG Zenith/Insignia box not the signal level meter we are used to. It's more of a bit error rate meter than anything else... the lower the bit error rate, the higher the meter reads.

I think LG blew it when writing the algorithm for the signal display. It will display signals just into green when the signal is actually so weak that there is no hope of it ever decoding. Moving the antenna doesn't change the signal reading until the bit error rate starts coming down. It's VERY frustrating. It's as if the first stage of the signal level meter simply shows the presence of a DTV signal, and has no relation to the strength of the signal.

If I had designed the meter algorithm it would have an indicator that a DTV signal is present, a bar for actual signal strength (based on AGC), and a bar for "signal quality" (based on bit error rate). I think this would have been much more useful, even for the average consumer who is trying to get these STBs to work with rabbit ears.

On the issue of sensitivity, I think the LG box does fine. I consistently get perfect pictures from all of the Louisville and Cincinnati DTVs (at about 70 miles), which is something I couldn't always do with the analogs. I use a Motorola low noise 15 db "drop amplifier" in the system, with no apparent problems from my locals, 3 of which are within 5 miles of my location. I can and have seen DX on the first adjacents to my locals.

That's not so say that a better box wouldn't be welcome. –Girard Westerberg

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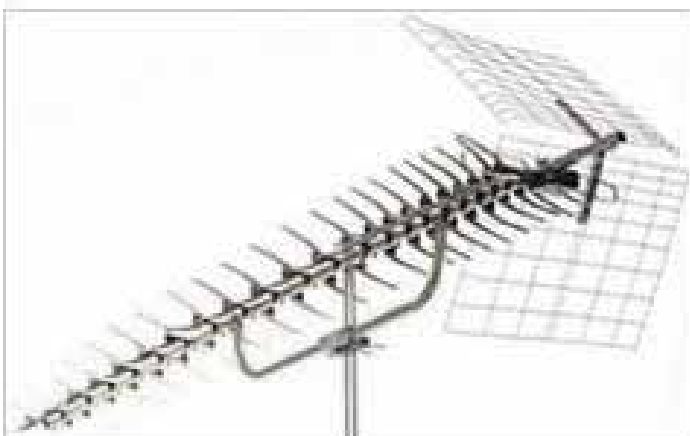
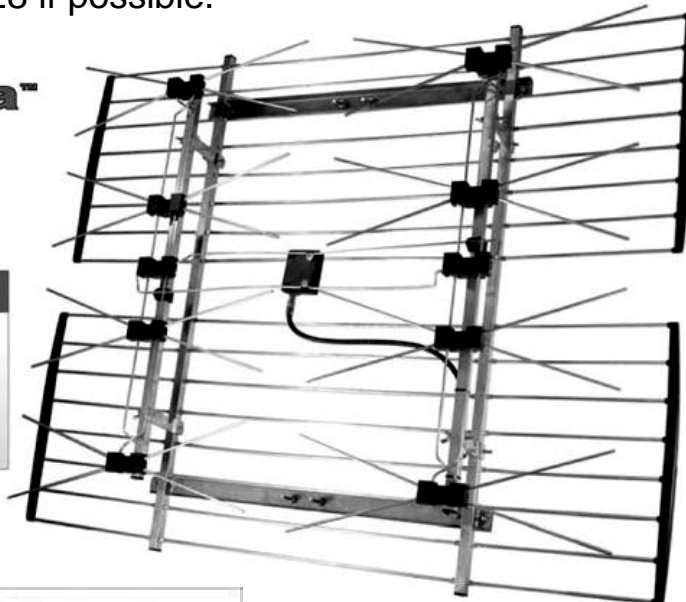
Channels 7 thru 13,	Up to 45 miles and HD
Channels 14 thru 69,	Up to 60 miles and HD

**Antenna Size (L x W x H)** 5.5 x 41 x 33 in

**Turning Radius** 20.5

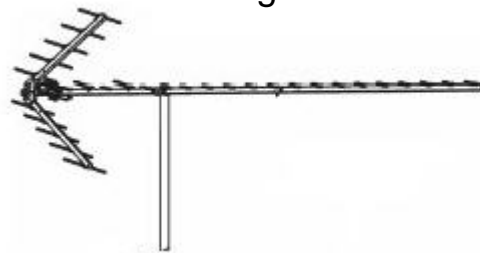
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<b>LM</b> Large Multidirectional	<b>LD</b> Large Directional



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