

Market	DMA Rank	Station	Affiliation	Digital Frequency	UHF/VHF
<p>New York</p> <p>All the digital stations in NYC are now on the UHF band. Thankfully, the WB affiliate, WPIX changed their frequency from Ch12 to Ch33. This means now you can receive all the digital stations with a compact UHF only antenna.</p> <p>The majority of the digital stations are on the Empire State building with the exception of WNBC which broadcasts from the GE building.</p> <p>Customers report great results with directional UHF only antennas such as the 42XG or 91XG. For people less than 10 miles from the transmitters we suggest the SR15.</p>	1	WABC-TV	ABC	45	UHF
		WCBS-TV	CBS	56	UHF
		WNYW	FOX	44	UHF
		WTBY	IND	27	UHF
		WMBC-TV	IND	18	UHF
		WLNY	IND	57	UHF
		WFUT	IND	53	UHF
		WFTY	IND	23	UHF
		WRNN-TV	IND	48	UHF
		WNJU	Telemundo	36	UHF
		WXTV	Univision	40	UHF
		WNBC	NBC	28	UHF
		WPXN-TV	PAX	30	UHF
		WFME-TV	Educational	29	UHF
		WNET	PBS	61	UHF
		WLIW	PBS	22	UHF
		WEDW	PBS	52	UHF
WNYE-TV	PBS	24	UHF		
WWOR-TV	UPN	38	UHF		
WPIX	WB	33	UHF		
<p>Los Angeles</p> <p>The digital stations in the LA area are broadcast from Mt. Wilson. Since they are entirely on the UHF band a clear shot towards the</p>	2	KTLA	WB	31	UHF
		KCOP	UPN	66	UHF
		KCET	PBS	59	UHF
		KVCR-TV	PBS	26	UHF
		KLCS	PBS	41	UHF
		KOCE-TV	PBS	48	UHF

direction of Mt. Wilson is critical. Directional antennas such as the 42XG and the 91XG have shown great results.

People living in canyons may have issues with reception and KABC can be problematic for some. Overall, though, the Los Angeles market is one of the easiest cities to get consistent and reliable reception with some Hot Springs residents reporting receiving signal locks over 100 miles from the towers.

Chicago

Chicago is unique in that there is a major affiliate broadcasting on a low VHF channel: WBBM, channel 3. This station also broadcasts at a lower wattage than the other stations and in an unusual radiation pattern. If there was a digital broadcasting hall of shame, they would be first on the list.

All other digital stations in there area (except for WBBM) are on the UHF band and are broadcast from the sears tower. WBBM is being broadcast from the Hancock tower.

Most people in Chicago are happy with a dedicated UHF antenna

KNBC	NBC	36	UHF		
KVEA	Telemundo	39	UHF		
KMEX-TV	Univision	35	UHF		
KWHY-TV	IND	42	UHF		
KVMD-DT	IND	23	UHF		
KTTV	FOX	65	UHF		
KDOC-TV	IND	32	UHF		
KCAL-TV	IND	43	UHF		
KSCI	IND	61	UHF		
KJLA	IND	49	UHF		
KXLA	IND	51	UHF		
KRCA-TV	IND	68	UHF		
KABC-TV	ABC	53	UHF		
KCBS-TV	CBS	60	UHF		
Chicago	3	WLS-TV	ABC	52	UHF
		WBBM-TV	CBS	3	VHF
		WFLD	FOX	31	UHF
		WJYS	IND	36	UHF
		WCIU-TV	IND	27	UHF
		WGBO-TV	Univision	53	UHF
		WSNS-TV	Telemundo	45	UHF
		WWTO-TV	IND	10	VHF
		WMAQ-TV	NBC	29	UHF
		WCPX	PAX	43	UHF
		WTTW	PBS	47	UHF

with a dedicated 811 antenna aimed at the Sears tower. People have had particular success with the XG42 and the XG91 in receiving the majority of their digital stations. For those who need WBBM CBS, the V4 low band VHF antenna is specifically suited for this channel.

Philadelphia

This city has all of their digital channels on the UHF band and they are clustered together near the north side of the city. Directional antennas such as the 42XG and the XG91 Are popular, but many people also have success with the DB4. Reception is relatively easy and straight forward except for a few downtown residents who have their views towards the towers blocked by buildings.

Boston (Manchester)

Many people in the Boston area are able to receive signals from both the Providence and Boston markets with a single multidirectional

WPWR-TV	UPN	51	UHF
WYIN	PBS	17	UHF
WYCC	PBS	21	UHF
WXFT	TFT	59	UHF
WGN -TV	WB	19	UHF
4 WPHL-TV	WB	54	UHF
WYBE	PBS	34	UHF
WHYY-TV	PBS	55	UHF
WPSG	UPN	32	UHF
WLVT-TV	PBS	62	UHF
WNJB	PBS	18	UHF
WNJN	PBS	51	UHF
WNJS	PBS	22	UHF
WNJT	PBS	43	UHF
WMGM-TV	NBC	36	UHF
WMCN-DT	IND	44	UHF
WWSI-TV	Telemundo	49	UHF
WUVP	Univision	66	UHF
WCAU	NBC	67	UHF
WGTW-TV	IND	27	UHF
WFMZ-TV	IND	46	UHF
WTVF	IND	25	UHF
WTFX-TV	FOX	42	UHF
WPVI-TV	ABC	64	UHF
KYW-TV	CBS	26	UHF
5 WMUR-TV	ABC	59	UHF
WCVB-TV	ABC	20	UHF
WBZ-TV	CBS	30	UHF
WFXT	FOX	31	UHF
WNDS	IND	35	UHF
WWDP	IND	52	UHF
WUNI	Univision	29	UHF

with a single non-directional antenna. The stations in the area are on the UHF band and most people are successful with the DB4 or the DB8 depending on distances. Some people may require a rotator to receive both markets depending on where they live.

San Francisco-Oak-San Jose

The city has the majority of their digital stations on Sutro tower. The NBC affiliate KNTV has recently moved their transmitter location from Mt. Loma Prieta to San Bruno Mountain so they will now be closer to the other digital broadcasters.

Directional antennas are strongly recommended. Designs such as the SR15 and the 42XG have shown great results. Due to the reflective surfaces offered by the many hills, multi-path interference can be an issue. Directional UHF antennas (like the SR15 and the 42xg) with a clear shot in the direction of Sutro, seem to be the best solution. With extreme cases of multipath, (reflected signals) sometimes the addition of a variable attenuator can help. Also the tilt adjustments on the SR15 and the 42XG can help if the view

WNEU	Telemundo	34	UHF
WHDH	NBC	42	UHF
WENH	PBS	57	UHF
WEKW-TV	PBS	49	UHF
WGBH-TV	PBS	19	UHF
WBPX-TV	PAX	32	UHF
WUTF	TFT	23	UHF
WSBK-TV	UPN	39	UHF
WGBX-TV	PBS	43	UHF
WLVI-TV	WB	41	UHF
6 KBWB	WB	19	UHF
KFSF	TFT	35	UHF
KBHK-TV	UPN	45	UHF
KKPX	PAX	41	UHF
KQED	PBS	30	UHF
KRCB	PBS	23	UHF
KTEH	PBS	50	UHF
KCSM-TV	PBS	43	UHF
KNTV-TV	NBC	12	VHF
KDTV-TV	Univision	51	UHF
KSTS	Telemundo	49	UHF
KTSF	IND	27	UHF
KRON-TV	IND	57	UHF
KTLN-TV	IND	47	UHF
KCNS-TV	IND	39	UHF
KFTY	IND	54	UHF
KICU-TV	IND	52	UHF
KTVU	FOX	56	UHF
KGO-TV	ABC	24	UHF
KPIX	CBS	29	UHF

and the 42XG can help if the view doesn't have a clear shot towards Sutro		KUNO	AZT	15	UHF
		KTNC-TV	AZT	63	UHF
Dallas-Ft. Worth	7	WFAA-TV	ABC	9	VHF
Since it is relatively flat and the digital stations are primarily on the UHF band (except for WFAA) Dallas is one of the easiest cities to get digital reception. Customers have had great results with the DB2, DB4 and DB8 for those on the fringe. About 60% of Dallas Area viewers can receive WFAA ABC with a UHF only antenna. The remaining 40% will need to add a VHF capable antenna.		KFWD	IND	51	UHF
		KSTR-TV	IND	48	UHF
		KXTX-TV	IND	40	UHF
		KLDT	IND	54	UHF
		KDFI-TV	IND	36	UHF
		KDFW	FOX	35	UHF
		KDTN	IND	43	UHF
		KDTX-TV	IND	45	UHF
		KTVT	CBS	19	UHF
		KUVN	Univision	24	UHF
		KXAS-TV	NBC	41	UHF
		KERA-TV	PBS	14	UHF
		KPXD	PAX	42	UHF
		KTXA	UPN	18	UHF
		KDAF	WB	32	UHF
Washington, DC (Hagerstown)	8	WBDC-TV	WB	51	UHF
Many Washington DC viewers have requested the ability to receive both Baltimore and DC stations with a single antenna. We have had great results with the DB4 and the DB8 in the area. Even if the objective is just DC the DB4 is the antenna of choice for those in the area. The only problems seem to occur with persons living near certain installations that generate lots of RF interference (military?). In these cases we may need to exchange the DB4 for a more directional design such as the SR15		WDCA	UPN	35	UHF
		WWPB	PBS	44	UHF
		WVPY	PBS	21	UHF
		WFPT	PBS	28	UHF
		WWPX	PAX	12	VHF
		MHz Networks	Educational	57	UHF
		WPXW	PAX	43	UHF
		WNVT	PBS	30	UHF
		WETA-TV	PBS	27	UHF
		WHAG-TV	NBC	55	UHF
		WRC-TV	NBC	48	UHF
		WUSA TV	CBS	34	UHF
		WTTG-TV	FOX	36	UHF

or the 42XG.		WJLA-TV	ABC	39	UHF
Atlanta	9	WSB-TV	ABC	39	UHF
<p>The two problems in Atlanta are hills and WXIA NBC, the lone VHF station in the area.</p> <p>Even so the majority of viewers report the greatest overall success with dedicated UHF antennas such as the 42XG and the DB4. Around 50% of customers report that they will need to add a supplemental VHF antenna to receive WXIA NBC.</p> <p>People living in the hillier parts of the Atlanta area will report more problems due to line of sight issues. Once antennas are elevated above the surrounding terrain the problems are usually resolved.</p>		WAGA	FOX	27	UHF
		WGCL	CBS	19	UHF
		WXIA-TV	NBC	10	VHF
		WUVG-TV	Univision	48	UHF
		WTBS	IND	20	UHF
		WHSG	IND	44	UHF
		WPBA	PBS	21	UHF
		WPXA	PAX	51	UHF
		WATC	Educational	41	UHF
		WUPA	UPN	43	UHF
	WATL	WB	25	UHF	
Detroit	10	WDWB	WB	21	UHF
<p>A UHF only city, Detroit is a relatively easy market to get digital reception. The majority of the antennas sold in the area are the DB2 and the DB4. Some who want a greater margin for error or are living on the fringes may opt for the DB8.</p>		WKBD-TV	UPN	14	UHF
		WTVS	PBS	43	UHF
		WDIV	NBC	45	UHF
		WWJ-TV	CBS	44	UHF
		WJBK	FOX	58	UHF
		WADL	FOX	39	UHF
	WXYZ-TV	ABC	41	UHF	
Houston	11	KAZH	AZT	41	UHF
		KHOU-TV	CBS	31	UHF

With flat ground and tall towers, Houston is a very easy market to get digital reception even at long distances. Some viewers report reception at over 100 miles from the transmitting towers. The majority of viewers opt for UHF antennas such as the DB4 but with viewers on the fringes, the 91XG has proved very popular. The PBS station is on a high VHF channel, but about 70% of the residents can receive this with a UHF only antenna.

The PAX station is on a low VHF channel, but with over a thousand UHF only antennas sold in the Houston area, there has not been a single complaint regarding not receiving this station.

Seattle-Tacoma

UHF only antennas are the preferred methods of reception. Great results have been found with the DB4 as well as the SR15 for those who experience multi-path interference.

Hilly terrain coupled with close proximity to the transmitting towers can result in multipath interference. Directional designs such as the SR15 combined with a variable in-line attenuator can

KTRK-TV	ABC	32	UHF
KRIV	FOX	27	UHF
KETH	IND	24	UHF
KNWS-TV	IND	52	UHF
KFTH	IND	36	UHF
KXLN-TV	Univision	46	UHF
KTMD	Telemundo	48	UHF
KPRC-TV	NBC	35	UHF
KPXB	PAX	5	VHF
KUHT	PBS	9	VHF
KTXH	UPN	19	UHF
KHWB	WB	38	UHF
12 KTWB-TV	WB	25	UHF
KSTW	UPN	36	UHF
KWPX	PAX	32	UHF
KBTC-TV	PBS	27	UHF
KCKA	PBS	19	UHF
KCTS-TV	PBS	41	UHF
KING-TV	NBC	48	UHF
KVOS-TV	IND	35	UHF
KHCV	IND	44	UHF
KTBW-TV	IND	14	UHF
KONG-TV	IND	31	UHF
KBCB	IND	19	UHF
KWOG	IND	50	UHF
KCPQ	FOX	18	UHF
KOMO-TV	ABC	38	UHF

solve the issue.		KIRO-TV	CBS	39	UHF
Tampa-St. Pete (Sarasota)	13	WWSB	ABC	52	UHF
<p>Tampa can be a challenge since the CBS transmitting tower is located in the opposite direction of many viewers. This combined with the fact there are two VHF stations in this market and it is not easy to come up with a simple solution. The best method is a combination UHF/VHF antenna such as the V15 or the V21 on a rotator.</p> <p>Many of the installers we sell to in the area actually purchase antennas in pairs. They have referred to this as the "Tampa special" The Tampa Stadium authority purchased two V21s and combined them for their HD feeds but combining antennas can be tricky for amateurs.</p>		WFTS	ABC	29	UHF
		WTVT	FOX	12	VHF
		WTSP-TV	CBS	24	UHF
		WMOR-TV	IND	19	UHF
		WCLF	IND	21	UHF
		WVEA-TV	Univision	25	UHF
		WFLA-TV	NBC	7	VHF
		WEDU	PBS	54	UHF
		WXPX	PAX	42	UHF
		WFTT	TFT	47	UHF
		WTOG	UPN	59	UHF
		WTTA	WB	57	UHF
Minneapolis-St. Paul	14	KMWB	WB	22	UHF
<p>A nice UHF only market, success is often found with a DB2 or a DB4. Digital reception does not possess much of a challenge for most residents. Issues that are reported are normally from people who live in valleys or depressions, but thankfully the terrain is relatively flat for the majority of residents</p>		WFTC	UPN	21	UHF
		KPXM	PAX	40	UHF
		KARE-TV	NBC	35	UHF
		KTCA-TV	PBS	34	UHF
		KTCT-TV	PBS	16	UHF
		KAWB	PBS	28	UHF
		KAWF	PBS	18	UHF
		KSTC-TV	IND	44	UHF
	WCCO-TV	CBS	32	UHF	

Some rural Minnesota viewers are receiving Minneapolis stations over 70 miles away with a 91XG and reception of Rochester stations is not out of the question for some with enough elevation.		KMSP-TV	FOX	26	UHF
		KSAX	ABC	36	UHF
		KSTP-TV	ABC	50	UHF
		KCCO-TV	CBS	24	UHF
		KCCW-TV	CBS	20	UHF
Phoenix (Prescott), AZ	15	KPHO-TV	CBS	17	UHF
The digital stations are being broadcast primarily from South Mountain. If you can get a clear shot in that direction reception should be fairly straightforward. Most directional antennas such as the 42XG are popular, but many have also found success with the DB4. One note of caution, if you are contemplating installing an antenna in your attic, double check to make sure you don't have any solar shield (foil backed) insulation as it will block the majority of the digital signals. Foil back insulation is popular in the area and causes many problems.		KNXV	ABC	56	UHF
		KSAZ-TV	FOX	31	UHF
		KPAZ-TV	IND	20	UHF
		KTVK-TV	IND	24	UHF
		KAZT	IND	25	UHF
		KCFG	IND	32	UHF
		KTVW-TV	Univision	34	UHF
		KMOH	NBC	19	UHF
		KNAZ-TV	NBC	22	UHF
		KPNX-TV	NBC	36	UHF
		KAET	PBS	29	UHF
		KPPX	PAX	52	UHF
		KUTP	UPN	26	UHF
		KASW	WB	49	UHF
	KFPH	IND	27	UHF	
Cleveland-Akron (Canton)	16	WUAB	UPN	28	UHF
Cleveland is one of the few cities in the country to have 3 digital VHF stations. Two of these are major affiliates,		WVIZ-TV	PBS	26	UHF
		WEAO	PBS	50	UHF
		WKYC-TV	NBC	2	VHF

WOIO (CBS) and WKYC (NBC). The NBC affiliate is a low VHF channel and will necessitate an antenna capable of these lower frequencies. We have had good results with the V15 and V21 UHF/VHF combination antennas. Some customers in the Cleveland area are buying UHF antennas such as the DB4 to combine with an existing VHF antenna.

Miami-Ft. Lauderdale

Between the Miami and West Palm Beach television markets there are 22 digital stations. 20 of the 22 stations in the combined markets are on the UHF band. People who are interested in both markets are best off with a DB4 UHF antenna.

Viewers who are primarily interested in the Miami market alone will often use a V10 or V15 combination UHF/VHF antenna since the Fox and ABC affiliates are both on the VHF band. The stations in the Miami area are clustered together so a directional antenna works fine for this market.

West Palm Beach residents should consider the DB4.

Denver

WOHS-TV	Univision	34	UHF
WMFD-TV	IND	12	VHF
WDLI	IND	39	UHF
WOIO	CBS	10	VHF
WJW	FOX	31	UHF
WEWS	ABC	15	UHF
17 WPLG	ABC	9	VHF
WFOR-TV	CBS	22	UHF
WDLP-TV	IND	22	UHF
WSVN-TV	FOX	8	VHF
WAMI-TV	IND	47	UHF
WHFT	IND	46	UHF
WLTW	Univision	24	UHF
WSCV	Telemundo	52	UHF
WTVJ	NBC	31	UHF
WLRN-TV	PBS	20	UHF
WPBT	PBS	18	UHF
WPXM	PAX	26	UHF
WBFS-TV	UPN	32	UHF
WBZL	WB	19	UHF
18 KWGN-TV	WB	34	UHF

<p>The battle of the residents of Lookout Mountain against the transmitters has been going on for over three years.</p> <p>Currently, the transmitters are split between downtown Denver and Lookout Mountain. Soon, the legal disputes concerning the transmitter will be settled and all the digital broadcasts will be consolidated atop Lookout Mountain. After the move, the output wattages will be increased as well.</p> <p>A clear shot in the direction of the transmitters is helpful. The wider beam width of the DB4 has proven a great success in receiving broadcast from both transmitter locations.</p>		KBDI-TV	PBS	38	UHF
		KRMA-TV	PBS	18	UHF
		KMAS-TV	Telemundo	10	VHF
		KWHD	IND	46	UHF
		KTFD-TV	IND	15	UHF
		KUSA-TV	NBC	16	UHF
		KFCT	FOX	21	UHF
		KDVR	FOX	32	UHF
		KCNC-TV	CBS	35	UHF
		KREG-TV	CBS	23	UHF
		KMGH-TV	ABC	17	UHF
Sacramento-Stockton-Modesto	19	KXTV	ABC	61	UHF
<p>Sacramento is a great market for digital reception. In fact several San Francisco residents unable to get a clear shot to Sutro Tower have found they can get the Sacramento stations with a 91XG.</p> <p>Most customer chose directional UHF antennas such as the 42XG, 43XG or, if they are farther out, the 91XG.</p>		KOVR-TV	CBS	25	UHF
		KTXL	FOX	55	UHF
		KCRA-TV	NBC	35	UHF
		KUVS	Univision	18	UHF
		KVIE	PBS	53	UHF
		KQCA	WB	46	UHF
		KMAX-TV	UPN	21	UHF

Orlando-Daytona Beach-Melbourne	20	WRBW	UPN	41	UHF
<p>Orlando is a fairly easy city in terms of reception the majority of the antennas in use there are the DB2 or DB4 UHF antenna.</p> <p>Even though there is a lone digital station on the VHF band , most residents can receive this station with a DB4.</p>		WKCF	WB	17	UHF
		WOPX	PAX	48	UHF
		WMFE-TV	PBS	23	UHF
		WBCC	PBS	30	UHF
		WCEU	PBS	33	UHF
		WRDQ	IND	14	UHF
		WOTF	IND	20	UHF
		WVEN	IND	49	UHF
		WESH	NBC	11	VHF
		WOFL	FOX	22	UHF
		WACX	IND	40	UHF
WKMG-TV	CBS	58	UHF		
WFTV	ABC	39	UHF		
St. Louis	21	KDNL-TV	ABC	31	UHF
<p>The digital stations in the St Louis area are primarily in the South St. Louis County area, beginning near the Kenrick seminary and heading south. The most popular antennas are the DB2 and the DB4 UHF designs. These antennas are particularly well suited due to their forgiving aiming characteristics.</p> <p>If you cannot get reliable digital reception in the St. Louis area with either of these antennas, then you most likely have an installation error or a failure of your digital tuner.</p>		KMOV	CBS	56	UHF
		KTVI-TV	FOX	43	UHF
		KSDK	NBC	35	UHF
		KPLR-TV	WB	26	UHF
		WRBU	UPN	47	UHF
		KETC	PBS	39	UHF
Pittsburgh	22	WCWB-TV	WB	42	UHF
<p>The stations are fairly spread out in the Pittsburgh area, so we receive the best reports from the users of</p>		WOED	PBS	38	UHF
		WPXI	NBC	48	UHF

the best reports from the users of the DB4 or the DB8. Depending on where you live in the area, the stations can lie in opposite directions.		WPCB-TV	IND	50	UHF
		WPGH-TV	FOX	43	UHF
		KDKA-TV	CBS	25	UHF
		WTAE-TV	ABC	51	UHF
Baltimore	23	WMAR-TV	ABC	52	UHF
The Most popular antenna by far in this area is the DB4 due to the wide beam width and flexible aiming characteristics. Many Baltimore residents are also interested in the DC stations and with proper positioning, the DB4 can often receive both markets. People who need a little more margin for error will often chose a DB8.		WJZ-TV	CBS	38	UHF
		WBFF	FOX	46	UHF
		WBAL-TV	NBC	59	UHF
		WMPB	PBS	29	UHF
		WMPT	PBS	42	UHF
		WNUV-TV	WB	40	UHF
		WUTB	UPN	41	UHF
Portland, OR	24	WGPT	PBS	54	UHF
With all signals on the UHF band, many people find good results with the DB2 or the DB4. More distant residents will likely use the longer range DB8. Hilly conditions can sometime present a multi-path condition so attenuators may be beneficial.		KPDX	UPN	48	UHF
		KWBP	WB	33	UHF
		KOPB-TV	PBS	27	UHF
		KGW -TV	NBC	46	UHF
		KPTV	FOX	30	UHF
		KNMT-TV	IND	45	UHF
		KATU	ABC	43	UHF
Indianapolis, IN	25	KOIN-TV	CBS	40	UHF
The digital stations in the area with the exception of WISH (CBS) are on the UHF band. Therefore, most residents utilize the DB2 or DB4. Some people are		WRTV	ABC	25	UHF
		WXIN	FOX	45	UHF
		WISH-TV	CBS	9	VHF
		WTHR	NBC	46	UHF
	WCLJ	IND	56	UHF	

also able to receive the Bloomington digital channels to the south as well. A more powerful DB8 can help in this regard, but rotator may be required if the stations are in opposite directions. A percentage of people have reported issues with reception of WISH (CBS), but the addition of a VHF capable antenna will normally solve this problem.

San Diego

The digital stations in San Diego are spread throughout the town with the Fox affiliate even broadcasting from Tijuana, Mexico.

Directional antennas are discouraged unless you have a rotator. We have had the best results with wider beam width antennas such as the DB4 and the DB8. Hills can present a problem for some canyon dwellers so elevation will be important.

		WHMB-TV	IND	16	UHF
		WIPX	PAX	27	UHF
		WFYI	PBS	21	UHF
		WTIU	PBS	14	UHF
		WNDY	UPN	32	UHF
		WTTK	WB	54	UHF
		WTTV	WB	53	UHF
26		KSWB-TV	WB	19	UHF
		KPBS	PBS	30	UHF
		KUSI-TV	IND	18	UHF
		KNSD	NBC	40	UHF
		KFMB-TV	CBS	55	UHF
		KGTV	ABC	25	UHF