

DMA	61.5° Minimum Signal Thresholds				72.7° Minimum Signal Thresholds				77° Minimum Signal Thresholds			
	Trans 14	Trans 29	Trans 31	Trans 32	Trans 15	Trans 17	Trans 19	Trans 21	Trans 15	Trans 16	Trans 20	Trans 21
Abilene-Sweetwater - TX					47	48	48	47		48	50	52
Albany - GA	76	69	67	53	54	57	55	56		37	37	45
Albany-Schenectady-Troy - NY	64	60	61	48	43	41	44	39	20	22	20	25
Albuquerque-Santa Fe - NM	66	56	59	45	49	49	49	50		41	42	45
Alexandria - LA					36	31	38	32		23	24	32
Alpena - MI	59	56	59	46	55	49	55	47				
Amarillo - TX					39	40	40	39				
Atlanta - GA	70	63	66	52	53	57	55	55		50	50	53
Augusta - GA	73	68	65	51	49	48	49	50		43	46	48
Austin - TX	71	63	64	50	36	33	35	34		44	50	45
Bakersfield - CA					55	57	56	56		52	53	56
Baltimore - MD	68	62	62	48	57	57	58	54		47	47	50
Baton Rouge - LA					53	52	54	50		46	47	52
Beaumont-Port Arthur - TX	73	64	62	48	42	39	43	39		47	48	50
Biloxi-Gulfport - MS					47	48	48	48		45	45	52
Binghamton - NY	64	59	59	48	56	54	56	55		29	28	32
Birmingham (Anniston -Tuscaloosa) - AL	70	63	66	52	53	55	54	54		52	52	57
Bluefield-Beckley-Oak Hill - WV					56	56	57	54		52	53	56
Bowling Green - KY	68	60	63	50	54	56	55	55		53	54	57
Buffalo - NY	64	55	53	41	50	48	51	48		27	27	28
Burlington - VT -Plattsburgh - NY	63	58	59	48	47	45	47	45				
Cedar Rapids-Waterloo-Iowa City- Dubuque - IA					43	46	45	46		47	48	52
Champaign / Springfield-Decatur - IL					54	58	54	56		48	52	55
Charleston - SC					55	55	57	54		48	49	54
Charleston-Huntington - WV	68	59	62	50	57	58	57	57		53	55	57
Charlotte - NC	71	65	61	48	56	55	57	53		52	52	55
Charlottesville - VA	68	62	64	50	59	59	60	58		53	56	58
Chattanooga - TN	71	66	64	51	53	57	55	56		52	53	55
Cheyenne - WY-Scottsbluff - NE					47	52	48	51	51	41	40	47
Chicago - IL	69	61	64	51	47	46	47	46		48	48	52

Cincinnati - OH	68	59	62	50	56	57	56	57		53	55	57
Clarksburg-Weston - WV					60	61	59	59		55	56	58
Cleveland - OH	71	65	62	50	56	57	57	55		41	41	44
Colorado Springs-Pueblo - CO					41	45	43	45	51	41	40	47
Columbia - SC	72	65	61	48	54	53	55	52		48	48	52
Columbia-Jefferson City - MO					45	47	46	46		40	41	45
Columbus - GA	73	68	68	53	51	54	52	53		50	51	54
Columbus - OH	71	62	63	50	61	62	61	61		52	52	54
Columbus-Tupelo-West Point - MS	69	62	65	51	44	45	45	45		40	43	48
Corpus Christi - TX	71	58	61	46								
Dallas-Ft. Worth - TX	71	63	66	52	46	46	48	46		47	48	51
Davenport - IA-Rock Island-Moline - IL					43	46	45	46		47	48	52
Dayton - OH	71	62	64	50	54	56	55	55		55	56	59
Denver - CO					41	45	43	45	50	41	40	47
Des Moines-Ames - IA	61	54	60	47	45	47	46	47		45	46	50
Detroit - MI	67	63	63	50	50	50	52	50		36	36	39
Dothan - AL	72	64	66	52	53	55	54	55		55	55	58
Duluth - MN-Superior - WI	63	55	59	48	45	44	45	45		46	46	50
El Paso - TX										51	50	53
Elmira - NY	66	59	59	48	52	52	52	52		24	23	27
Erie - PA					52	52	52	52		28	28	36
Evansville - IN	66	58	62	49	54	56	54	55		52	52	56
Fargo-Valley City - ND					50	50	48	48		46	46	52
Flint-Saginaw-Bay City - MI	67	63	64	51	53	53	55	51		34	35	38
Florence-Myrtle Beach - SC	69	62	61	47	55	53	56	52		50	51	55
Fresno-Visalia - CA					55	57	56	56		52	53	56
Ft. Myers-Naples - FL	72	64	67	52	55	58	57	56		52	53	54
Ft. Smith-Fayetteville-Springdale-Rogers - AR					50	49	51	48		43	43	47
Ft. Wayne - IN	70	61	64	50	43	46	45	46		55	57	56
Gainesville - FL	76	70	67	53	55	57	57	57		54	57	55
Grand Junction-Montrose - CO					41	45	43	45	51	41	40	47
Grand Rapids-Kalamazoo-Battle Creek - MI	67	64	64	52	46	46	48	45		38	39	41
Green Bay-Appleton - WI	66	60	63	51	46	46	47	46		42	42	46
Greensboro-High Point-Winston Salem - NC	69	62	62	48	57	55	57	53		53	54	57

Greenville-New Bern-Washington - NC	66	61	61	46	55	53	57	52	61	52	54	57
Greenville-Spartanburg – SC-Asheville - NC-Anderson - SC	71	65	61	48	53	54	54	53		48	49	52
Greenwood-Greenville - MS					46	46	47	46		42	43	48
Harlingen-Weslaco-Brownsville-McAllen - TX	62	46	53	37								
Harrisburg-Lancaster-Lebanon-York - PA	68	62	61	49	62	63	63	61		48	48	52
Harrisonburg - VA	69	62	62	48	58	58	59	57		53	55	57
Hattiesburg-Laurel - MS					47	48	48	48		45	45	52
Houston - TX	71	62	61	46	37	33	37	35		44	46	48
Huntsville-Decatur (Florence) - AL	70	64	68	55	53	56	54	55		53	54	58
Indianapolis - IN	69	60	63	50	54	55	54	54		54	56	56
Jackson - MS	69	61	60	47	46	45	46	44		42	43	48
Jackson - TN	64	56	60	47	48	48	49	48		48	49	53
Jacksonville - FL	75	69	65	51	54	55	55	55		50	51	55
Johnstown-Altoona - PA	68	62	61	49	57	58	59	56		45	46	48
Jonesboro - AR					49	49	48	48		48	49	52
Joplin - MO-Pittsburg - KS					49	46	50	46	29	39	40	45
Kansas City - MO					48	50	48	49		41	42	43
Knoxville - TN	71	66	66	53	53	55	53	54		50	52	54
La Crosse-Eau Claire - WI	69	62	66	53	45	46	45	46		43	44	46
Lafayette - IN					52	50	52	48		53	54	57
Lafayette - LA					53	51	53	50		44	45	51
Lake Charles - LA					55	53	55	52		47	48	53
Lansing - MI	71	65	66	53	50	50	52	49		40	41	43
Lexington - KY	68	59	62	50	53	55	53	54		53	54	57
Lincoln & Hastings-Kearney - NE					47	48	48	48	51	41	40	47
Little Rock-Pine Bluff - AR					46	45	47	45		42	43	46
Los Angeles - LA	59	45	53	39	54	56	55	55		43	43	45
Louisville - KY	68	59	62	50	53	55	53	54		52	53	56
Lubbock - TX					47	48	48	47		48	50	52
Macon - GA	76	68	64	50	49	48	49	50		44	44	48
Madison - WI	66	60	63	51	45	46	45	46		48	48	52
Mankato - MN	63	55	59	48	45	46	45	46		46	46	50
Marquette - MI	65	59	62	50	46	46	47	46		41	41	45
Memphis - TN	64	55	59	47	48	48	49	48		48	49	53

Meridian - MS					49	50	50	50			50	50	54
Miami-Ft. Lauderdale - FL	73	64	66	51	48	51	50	50			48	50	48
Milwaukee - WI	69	62	66	53	46	47	47	47			48	48	52
Minneapolis-St. Paul - MN	63	55	59	48	45	46	45	46			46	46	50
Minot-Bismarck-Dickinson(Williston) - ND					50	50	48	48			46	46	52
Mobile - AL-Pensacola - FL	71	64	65	52	50	50	51	50			52	53	57
Monroe - LA-El Dorado - AR	69	61	60	47	36	31	38	32			23	24	32
Monterey-Salinas - CA	60	47	54	41							42	42	45
Montgomery (Selma) - AL	72	64	66	52	51	53	52	52			49	50	54
Nashville - TN	67	60	64	52	53	55	53	54			53	54	57
New Orleans - LA					47	48	48	48			45	45	52
New York - NY	66	61	62	47	59	59	60	57			39	39	44
Norfolk-Portsmouth-Newport News - VA	66	61	61	46	55	54	57	52	61		52	54	57
North Platte - NE					45	47	47	47	51		41	40	47
Odessa-Midland - TX											51	50	53
Oklahoma City - OK					46	45	46	45			44	45	47
Omaha - NE					45	46	46	46			41	43	46
Orlando-Daytona Beach-Melbourne - FL	73	67	65	52	53	55	55	54			52	53	56
Ottumwa - IA-Kirksville - MO					44	47	45	48			45	46	50
Paducah, KY-Cape Girardeau, MO Harrisburg-Mt Vernon - IL	63	54	59	45	49	51	50	49			49	50	54
Palm Springs - CA	59	45	53	39							43	43	45
Panama City - FL	72	64	66	52	50	50	51	50			52	53	57
Parkersburg - WV					61	64	63	62			51	51	55
Peoria-Bloomington - IL	70	62	65	52	52	52	52	51			55	57	58
Philadelphia - PA	70	64	61	47	60	59	61	57			45	45	48
Phoenix - AZ	66	56	59	45	26	29	27	28			37	37	45
Pittsburgh - PA	71	63	62	50	50	52	48	50			44	46	44
Portland - OR	54	41	42	30									
Quincy - IL-Hannibal - MO-Keokuk - IA					46	49	47	48			45	46	50
Raleigh-Durham (Fayetteville) - NC	66	61	61	47	55	53	57	52			52	53	56
Rapid City - SD					41	45	43	45	51		41	40	47
Richmond-Petersburg - VA	68	62	64	50	57	57	59	55			53	54	57
Roanoke-Lynchburg - VA	69	62	62	48	53	53	54	51			50	51	53

Rochester - MN-Mason City - IA-Austin - MN	63	55	59	48	43	46	45	46	46	46	46	50
Rochester - NY	64	57	57	46	57	53	58	53		24	23	27
Rockford - IL	70	62	65	52	48	48	48	48		48	48	52
Sacramento-Stockton-Modesto - CA	60	47	54	41						42	42	45
Salisbury - MD	70	63	61	46	57	51	56	53	61	52	54	57
Salt Lake City - UT					41	45	43	45	51	41	40	47
San Angelo - TX					47	48	48	47		48	50	52
San Antonio - TX					28	28	28	30		44	45	46
San Diego - CA	59	45	53	39						43	43	45
San Francisco-Oakland-San Jose - CA	60	47	54	41						42	42	45
Savannah - GA	76	68	64	50	56	58	56	58		32	32	43
Seattle-Tacoma - WA	54	41	42	30	46	46	45	44				
Sherman - TX-Ada - OK	71	64	66	53	46	45	46	45		45	45	47
Shreveport - LA					43	41	44	42		40	40	43
Sioux City - IA	61	54	59	47	48	52	48	52		48	48	50
Sioux Falls(Mitchell) - SD	63	55	59	48	45	46	45	46		46	46	50
South Bend-Elkhart - IN	70	62	65	52	48	48	48	48		45	46	48
Spokane - WA					46	46	45	44				
Springfield - MO					48	48	50	48		42	43	46
St. Joseph - MO					48	50	48	49		41	42	43
St. Louis - MO	64	54	59	45	46	48	47	48		46	47	51
Syracuse - NY	64	57	59	48	51	49	51	48		28	27	30
Tallahassee - FL-Thomasville - GA	76	69	66	52	54	57	55	56		46	48	52
Tampa-St. Petersburg (Sarasota) - FL	75	67	67	52	53	55	55	54		50	52	54
Terre Haute - IN	69	60	63	50	50	52	50	51		48	51	54
Toledo - OH	72	65	63	50	47	50	48	50		42	44	42
Topeka - KS					47	47	48	47		39	39	43
Traverse City-Cadillac - MI	59	56	59	46	55	49	55	47		34	35	38
Tri-Cities - TN-VA	71	66	66	53	53	55	55	54		50	52	54
Tulsa - OK					47	46	47	45		44	46	49
Tyler-Longview, TX					49	46	49	46		46	47	50
Utica - NY	64	57	59	48	51	49	52	48	20	22	20	25
Waco-Temple-Bryan - TX					43	41	43	41		47	48	50
Washington - DC (Hagerstown - MD)	68	62	62	48	59	59	60	57		51	52	55

Watertown - NY	64	60	61	48		53	51	53	48				
Wausau-Rhineland - WI	66	60	63	51		47	49	48	49		44	45	46
West Palm Beach-Ft. Pierce - FL	73	67	67	52		48	50	50	50		52	52	55
Wheeling - WV-Steubenville - OH	72	65	62	51		60	60	60	60		50	50	52
Wichita Falls - TX & Lawton - OK						47	47	48	47		46	47	48
Wichita-Hutchinson - KS Plus						49	49	49	48		44	45	44
Wilkes Barre-Scranton - PA	69	63	62	50		62	61	62	59		41	41	45
Wilmington - NC	69	62	61	47		57	54	57	53		52	52	56
Yakima-Pasco-Richland-Kennewick - WA	54	41	42	30									
Youngstown - OH	71	63	62	50		56	56	56	56		43	43	44
Zanesville - OH						61	62	61	61		53	53	55