

## Appendix C

### Competitors in CMAs in Which the Spectrum Screen Is Reached

CMA #	CMA	No. Competitors	Competitors
2	Los Angeles-Anaheim, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
3	Chicago, IL	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
4	Philadelphia, PA	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
5	Detroit/Ann Arbor, MI	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
6	Boston-Brockton-Lowell, MA-NH	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
7	San Francisco-Oakland, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
8	Washington, DC-MD-VA	5	AT&T, Verizon, Sprint, TMUS, Leap
9	Dallas-Fort Worth, TX	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
10	Houston, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
12	Miami-Fort Lauderdale, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
13	Pittsburgh, PA	5	AT&T, Verizon, Sprint, TMUS, Leap
14	Baltimore, MD	5	AT&T, Verizon, Sprint, TMUS, Leap
15	Minneapolis-St. Paul, MN-WI	4	AT&T, Verizon, Sprint, TMUS
17	Atlanta, GA	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
18	San Diego, CA	5	AT&T, Verizon, Sprint, TMUS, Leap
19	Denver-Boulder, CO	5	AT&T, Verizon, Sprint, TMUS, Leap
20	Seattle-Everett, WA	4	AT&T, Verizon, Sprint, TMUS
22	Tampa-St. Petersburg, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
24	Kansas City, MO-KS	5	AT&T, Verizon, Sprint, TMUS, Leap
25	Buffalo, NY	6	AT&T, Verizon, Sprint, TMUS, Leap, Blue Wireless
27	San Jose, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
30	Portland, OR-WA	5	AT&T, Verizon, Sprint, TMUS, Leap
31	Columbus, OH	5	AT&T, Verizon, Sprint, TMUS, Revol
32	Hartford-Bristol, CT	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
33	San Antonio, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
35	Sacramento, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
38	Providence-Warwick, RI	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
39	Salt Lake City-Ogden, UT	5	AT&T, Verizon, Sprint, TMUS, Leap
46	Nashville-Davidson, TN	5	AT&T, Verizon, Sprint, TMUS, Leap
49	New Haven-Waterbury-Meriden, CT	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
50	Honolulu, HI	5	AT&T, Verizon, Sprint, TMUS, Mobi PCS
51	Jacksonville, FL	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
54	Gary-Hammond-East Chicago, IN	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
55	Worcester-Leominster, MA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
56	Northeast PA, PA	5	AT&T, Verizon, Sprint, TMUS, Blue Wireless
57	Tulsa, OK	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
58	Allentown-Bethlehem, PA-NJ	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
60	Orlando, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
66	Youngstown-Warren, OH	5	AT&T, Verizon, Sprint, TMUS, Revol
68	Flint, MI	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
69	Wilmington, DE-NJ-MD	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
72	West Palm Beach-Boca Raton, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
73	Oxnard-Simi Valley-Ventura, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
74	Fresno, CA	5	AT&T, Verizon, Sprint, TMUS, Leap
75	Austin, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
76	New Bedford-Fall River, MA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
77	Tucson, AZ	5	AT&T, Verizon, Sprint, TMUS, Leap
81	El Paso, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
82	Tacoma, WA	4	AT&T, Verizon, Sprint, TMUS
84	Harrisburg, PA	4	AT&T, Verizon, Sprint, TMUS
86	Albuquerque, NM	5	AT&T, Verizon, Sprint, TMUS, Leap
87	Canton, OH	5	AT&T, Verizon, Sprint, TMUS, Revol
88	Chattanooga, TN-GA	7	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular, SouthernLINC
91	San Juan-Caguas, PR	5	AT&T, Sprint, TMUS, Claro, Open
93	Las Vegas, NV	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
96	Fort Wayne, IN	5	AT&T, Verizon, Sprint, TMUS, US Cellular
97	Bakersfield, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
99	York, PA	4	AT&T, Verizon, Sprint, TMUS
100	Shreveport, LA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
101	Beaumont-Port Arthur, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
105	Lancaster, PA	4	AT&T, Verizon, Sprint, TMUS
107	Stockton, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
108	Augusta, GA-SC	5	AT&T, Verizon, Sprint, TMUS, SouthernLINC
109	Spokane, WA	5	AT&T, Verizon, Sprint, TMUS, Leap
111	Vallejo-Fairfield-Napa, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
112	Corpus Christi, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
114	Lakeland-Winter Haven, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
115	Utica-Rome, NY	4	AT&T, Verizon, Sprint, TMUS
117	Colorado Springs, CO	5	AT&T, Verizon, Sprint, TMUS, Leap
118	Reading, PA	5	AT&T, Verizon, Sprint, TMUS, Immix Wireless
121	Trenton, NJ	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
123	Santa Rosa-Petaluma, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS

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CMA #	CMA	No. Competitors	Competitors
128	McAllen-Edinburg-Mission, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
130	Erie, PA	5	AT&T, Verizon, Sprint, TMUS, Blue Wireless
133	Manchester-Nashua, NH	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, US Cellular
134	Atlantic City, NJ	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
137	Melbourne-Titusville, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
142	Modesto, CA	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
146	Daytona Beach, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
147	Ponce, PR	5	AT&T, Sprint, TMUS, Claro, Open
150	Visalia-Tulare-Porterville, CA	5	AT&T, Verizon, Sprint, TMUS, Leap
151	Poughkeepsie, NY	4	AT&T, Verizon, Sprint, TMUS
159	Provo-Orem, UT	5	AT&T, Verizon, Sprint, TMUS, Leap
162	Brownsville-Harlingen, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
167	Sarasota, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
168	Tallahassee, FL	5	AT&T, Verizon, Sprint, TMUS, SouthernLINC
169	Mayaguez, PR	5	AT&T, Sprint, TMUS, Claro, Open
170	Galveston-Texas City, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
171	Reno, NV	5	AT&T, Verizon, Sprint, TMUS, Leap
175	Santa Cruz, CA	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
181	Muskegon, MI	4	AT&T, Verizon, Sprint, MetroPCS
193	Benton Harbor, MI	5	AT&T, Verizon, Sprint, TMUS, US Cellular
197	Lake Charles, LA	5	AT&T, Verizon, Sprint, TMUS, Leap
202	Arecibo, PR	5	AT&T, Sprint, TMUS, Claro, Open
204	Aquadilla, PR	5	AT&T, Sprint, TMUS, Claro, Open
208	Fort Pierce, FL	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
212	Bremerton, WA	4	AT&T, Verizon, Sprint, TMUS
214	Richland-Kennewick-Pasco, WA	5	AT&T, Verizon, Sprint, TMUS, US Cellular
220	Abilene, TX	4	AT&T, Verizon, Sprint, TMUS
225	Altoona, PA	4	AT&T, Verizon, Sprint, TMUS
234	Athens, GA	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
238	Sharon, PA	4	AT&T, Verizon, Sprint, TMUS
242	Olympia, WA	4	AT&T, Verizon, Sprint, TMUS
244	Kenosha, WI	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
257	Hagerstown, MD	6	AT&T, Verizon, Sprint, TMUS, US Cellular, nTelos
262	Danville, VA	6	AT&T, Verizon, Sprint, TMUS, US Cellular, nTelos
270	Bellingham, WA	4	AT&T, Verizon, Sprint, TMUS
287	Bryan-College Station, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
295	Midland, TX	4	AT&T, Verizon, Sprint, TMUS
300	Victoria, TX	5	AT&T, Verizon, Sprint, TMUS, Leap
301	Lawrence, KS	4	AT&T, Verizon, Sprint, TMUS
302	Enid, OK	5	AT&T, Sprint, TMUS, US Cellular, Pioneer Cellular
303	Aurora-Elgin, IL	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
304	Joliet, IL	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
322	Arizona 5 - Gila	5	AT&T, Verizon, Sprint, TMUS, Leap
335	Arkansas 12 - Ouachita	5	AT&T, Verizon, Sprint, TMUS, Cellular South
339	California 4 - Madera	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, Leap
340	California 5 - San Luis Obispo	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
345	California 10 - Sierra	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
346	California 11 - El Dorado	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
359	Delaware 1 - Kent	4	AT&T, Verizon, Sprint, TMUS
360	Florida 1 - Collier	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
361	Florida 2 - Glades	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
363	Florida 4 - Citrus	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
370	Florida 11 - Monroe	5	AT&T, Verizon, Sprint, TMUS, MetroPCS
371	Georgia 1 - Whitfield	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
372	Georgia 2 - Dawson	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
373	Georgia 3 - Chattooga	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
374	Georgia 4 - Jasper	7	AT&T, Verizon, Sprint, TMUS, Leap, SouthernLINC, Wilkes Cellular
375	Georgia 5 - Haralson	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, SouthernLINC
381	Georgia 11 - Toombs	6	AT&T, Verizon, Sprint, TMUS, Leap, SouthernLINC
384	Georgia 14 - Worth	5	AT&T, Verizon, Sprint, TMUS, SouthernLINC
395	Illinois 2 - Bureau	6	AT&T, Verizon, Sprint, TMUS, US Cellular, Illinois Valley
403	Indiana 1 - Newton	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
432	Kansas 5 - Brown	6	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
439	Kansas 12 - Hodgeman	4	AT&T, Verizon, Sprint, United Wireless
440	Kansas 13 - Edwards	5	AT&T, Verizon, Sprint, Pioneer Cellular, United Wireless
445	Kentucky 3 - Meade	5	AT&T, Sprint, TMUS, Leap, Bluegrass
468	Maryland 2 - Kent	5	AT&T, Verizon, Sprint, TMUS, Leap
476	Michigan 5 - Manistee	3	AT&T, Verizon, Sprint
477	Michigan 6 - Roscommon	3	AT&T, Verizon, Sprint
478	Michigan 7 - Newaygo	4	AT&T, Verizon, Sprint, MetroPCS
480	Michigan 9 - Cass	6	AT&T, Verizon, Sprint, TMUS, MetroPCS, US Cellular
487	Minnesota 6 - Hubbard	4	AT&T, Verizon, Sprint, TMUS

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488	Minnesota 7 - Chippewa	4	AT&T, Verizon, Sprint, TMUS
491	Minnesota 10 - Le Sueur	5	AT&T, Verizon, Sprint, TMUS, US Cellular
495	Mississippi 3 - Bolivar	5	AT&T, Verizon, Sprint, TMUS, Cellular South
500	Mississippi 8 - Claiborne	4	AT&T, Verizon, Sprint, Cellular South
553	New Mexico 1 - San Juan	6	AT&T, Verizon, Sprint, TMUS, Leap, Cellular One
561	New York 3 - Chautauqua	6	AT&T, Verizon, Sprint, TMUS, Leap, Blue Wireless
562	New York 4 - Yates	5	AT&T, Verizon, Sprint, TMUS, Leap
563	New York 5 - Otsego	4	AT&T, Verizon, Sprint, TMUS
587	Ohio 3 - Ashtabula	5	AT&T, Verizon, Sprint, TMUS, ATN
591	Ohio 7 - Tuscarawas	5	AT&T, Verizon, Sprint, TMUS, Revol
595	Ohio 11 - Columbiana	4	AT&T, Verizon, Sprint, TMUS
597	Oklahoma 2 - Harper	4	AT&T, Sprint, TMUS, Pioneer Cellular
598	Oklahoma 3 - Grant	7	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular, Pioneer Cellular
601	Oklahoma 6 - Seminole	7	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular, MBO Wireless
602	Oklahoma 7 - Beckham	6	AT&T, Verizon, Sprint, TMUS, US Cellular, Pioneer Cellular
606	Oregon 1 - Clatsop	5	AT&T, Verizon, Sprint, TMUS, Leap
612	Pennsylvania 1 - Crawford	4	AT&T, Verizon, Sprint, TMUS
613	Pennsylvania 2 - McKean	4	AT&T, Verizon, Sprint, TMUS
617	Pennsylvania 6 - Lawrence	6	AT&T, Verizon, Sprint, TMUS, Leap, Revol
618	Pennsylvania 7 - Jefferson	4	AT&T, Verizon, Sprint, TMUS
619	Pennsylvania 8 - Union	5	AT&T, Verizon, Sprint, TMUS, Immix Wireless
621	Pennsylvania 10 - Bedford	6	AT&T, Verizon, Sprint, TMUS, US Cellular, nTelos
622	Pennsylvania 11 - Huntingdon	4	AT&T, Verizon, Sprint, TMUS
623	Pennsylvania 12 - Lebanon	4	AT&T, Verizon, Sprint, TMUS
629	South Carolina 5 - Georgetown	5	AT&T, Verizon, Sprint, TMUS, Horry Telephone
643	Tennessee 1 - Lake	6	AT&T, Verizon, Sprint, TMUS, Cellular South, Clear Talk
647	Tennessee 5 - Fayette	6	AT&T, Verizon, Sprint, TMUS, Cellular South, Clear Talk
649	Tennessee 7 - Bledsoe	5	AT&T, Verizon, Sprint, TMUS, Leap, US Cellular
650	Tennessee 8 - Johnson	3	AT&T, Verizon, Sprint
655	Texas 4 - Briscoe	5	AT&T, Verizon, Sprint, TMUS, US Cellular
656	Texas 5 - Hardeman	6	AT&T, Verizon, Sprint, TMUS, US Cellular, Choice Wireless
659	Texas 8 - Gaines	5	AT&T, Verizon, Sprint, TMUS, CT Cube
660	Texas 9 - Rannels	5	AT&T, Verizon, Sprint, TMUS, Mid-Tex Cellular
666	Texas 15 - Concho	6	AT&T, Verizon, Sprint, TMUS, Leap, Five Star Wireless
667	Texas 16 - Burleson	5	AT&T, Verizon, Sprint, TMUS, Leap
668	Texas 17 - Newton	6	AT&T, Verizon, Sprint, TMUS, Leap, nTelos
669	Texas 18 - Edwards	5	AT&T, Verizon, Sprint, TMUS, Leap
671	Texas 20 - Wilson	5	AT&T, Verizon, Sprint, TMUS, Leap
673	Utah 1 - Box Elder	6	AT&T, Verizon, Sprint, TMUS, Leap, Union Telephone
674	Utah 2 - Morgan	6	AT&T, Verizon, Sprint, TMUS, Leap, All West Wireless
681	Virginia 1 - Lee	4	AT&T, Verizon, Sprint, Appalachian Wireless
688	Virginia 8 - Amelia	5	AT&T, Verizon, Sprint, TMUS, nTelos
690	Virginia 10 - Frederick	5	AT&T, Verizon, Sprint, TMUS, nTelos
691	Virginia 11 - Madison	6	AT&T, Verizon, Sprint, TMUS, Leap, nTelos
693	Washington 1 - Clallam	4	AT&T, Verizon, Sprint, TMUS
694	Washington 2 - Okanogan	4	AT&T, Verizon, Sprint, TMUS
695	Washington 3 - Ferry	4	AT&T, Verizon, Sprint, TMUS
697	Washington 5 - Kittitas	6	AT&T, Verizon, Sprint, TMUS, US Cellular, Inland Cellular
698	Washington 6 - Pacific	5	AT&T, Verizon, Sprint, TMUS, US Cellular
699	Washington 7 - Skamania	5	AT&T, Verizon, Sprint, TMUS, US Cellular
704	West Virginia 4 - Grant	6	AT&T, Verizon, Sprint, TMUS, US Cellular, nTelos
723	Puerto Rico 1 - Rincon	5	AT&T, Sprint, TMUS, Claro, Open
724	Puerto Rico 2 - Adjuntas	5	AT&T, Sprint, TMUS, Claro, Open
725	Puerto Rico 3 - Ciales	4	AT&T, TMUS, Claro, Open
726	Puerto Rico 4 - Aibonito	5	AT&T, Sprint, TMUS, Claro, Open
727	Puerto Rico 5 - Ceiba	5	AT&T, Sprint, TMUS, Claro, Open
728	Puerto Rico 6 - Vieques	5	AT&T, Sprint, TMUS, Claro, Open
729	Puerto Rico 7 - Culebra	5	AT&T, Sprint, TMUS, Claro, Open

**Notes:** Based on AT&T estimates and supplemental research. Number of Competitors does not count Clearwire, in which Sprint has a 51% interest, as an additional competitor.