

Tower Locations That Appear To
Require FCC Registration

AGL (Meters)	Ground Elevation (Meters)	Latitude Degrees	NAD83 Latitude Minutes	Latitude Seconds		Longitude Degrees	NAD83 Longitude Minutes	Longitude Seconds		City	County	State
81.99	-	58	17	59	N	134	26	16	W	West Juneau	Juneau	AK
76.2	101.5	62	55	55	N	155	30	47	W	McGrath	Yukon-Koyukuk	AK
58.83	30.48	61	13	1	N	149	52	34	W	ANCHORAGE	ANCHORAGE	AK
26.21	28.96	61	13	1	N	149	50	32	W	ANCHORAGE	ANCHORAGE	AK
41.15	183.18	64	51	30	N	147	49	50	W	FAIRBANKS	FAIRBANKS	AK
21.64	132.28	64	49	8	N	147	51	51	W	FAIRBANKS	FAIRBANKS	AK
35.05	179.83	64	51	31	N	147	49	46	W	FAIRBANKS	FAIRBANKS	AK
45.72	3.35	66	54	5	N	162	33	49	W	KOTZEBUE	KOBUK	AK
47.55	7.32	57	3	26	N	135	20	8	W	SITKA	SITKA	AK
62.48	190.5	33	27	2	N	86	3	52	W	Pate	Autauga	AL
62.48	190.5	33	27	2	N	86	3	52	W	Pate	Autauga	AL
75.59	99.06	31	19	9	N	86	26	36	W	Belforest	Baldwin	AL
75.59	99.06	31	19	9	N	86	26	36	W	Belforest	Baldwin	AL
96.93	158.5	33	22	39	N	86	48	19	W	Forest Ridge Estates	Jefferson	AL
96.93	158.5	33	22	39	N	86	48	19	W	Forest Ridge Estates	Jefferson	AL
75.29	280.42	33	31	2	N	86	44	55	W	Slaughter Landing	Madison	AL
75.29	280.42	33	31	2	N	86	44	55	W	Slaughter Landing	Madison	AL
66.45	6.1	30	40	29	N	88	6	58	W	Indian Hills	Mobile	AL
66.45	6.1	30	40	29	N	88	6	58	W	Indian Hills	Mobile	AL
65.23	94.49	31	30	20	N	87	18	58	W	Monroeville	Monroe	AL
65.23	94.49	31	30	20	N	87	18	58	W	Monroeville	Monroe	AL
106.38	103.94	32	40	33	N	86	56	2	W	Hartselle	Morgan	AL
106.38	103.94	32	40	33	N	86	56	2	W	Hartselle	Morgan	AL
65.53	383.44	36	4	49	N	94	11	8	W	Capps	Boone	AR
65.23	81.38	36	3	55	N	90	56	25	W	Piggott	Clay	AR
65.23	81.38	36	3	55	N	90	56	25	W	Piggott	Clay	AR
80.16	30.78	33	35	60	N	92	49	9	W	Rockport	Hot Spring	AR
73.15	140.21	34	46	40	N	92	17	12	W	North Oaks	Pulaski	AR
73.15	76.2	34	46	10	N	92	9	31	W	Greenwood	Sebastian	AR
92.96	68.58	34	11	14	N	92	1	4	W	El Dorado	Union	AR
61.87	73.15	35	14	56	N	91	41	13	W	Doniphan	White	AR
24.99	85.34	34	7	22	N	93	4	25	W	ARKADELPHIA	CLARK	AR

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45.72	67.06	35	31	26	N	90	24	40	W	MARKED TREE	POINSETT	AR
45.72	67.06	35	31	26	N	90	24	40	W	MARKED TREE	POINSETT	AR
10.97	501.4	36	12	32	N	94	6	24	W	SPRINGDALE	WASHINGTON	AR
132.59	62.79	15	2	58.1	N	146	23	42.3	E			AS
99.97	64.62	15	2	50.5	N	146	23	42.3	E			AS
79.25	419.1	14	8	22.2	N	146	49	24.7	E			AS
62.48	122.22	15	16	7.2	N	146	12	7.9	E			AS
71.63	121.31	15	16	15.2	N	146	12	5.4	E			AS
71.63	117.96	15	16	11.7	N	146	12	7.4	E			AS
70.1	118.87	15	16	6.2	N	146	12	8.9	E			AS
65.53	71.93	15	3	7.9	N	146	23	23.6	E			AS
96.01	65.84	15	2	46.8	N	146	23	42.9	E			AS
131.06	66.14	15	2	54.5	N	146	23	41	E			AS
126.49	70.1	15	3	0.2	N	146	23	35.6	E			AS
89.92	67.36	15	2	44.5	N	146	23	42.8	E			AS
73.15	64.92	15	2	52.5	N	146	23	41.9	E			AS
94.49	74.68	15	3	3.1	N	146	23	27.2	E			AS
92.96	74.68	15	3	5.8	N	146	23	24.7	E			AS
67.06	10.06	15	7	14.8	N	146	18	28.3	E			AS
91.44	152.4	13	28	41.4	N	145	9	47.8	E			AS
91.44	149.66	13	36	43.3	N	145	8	12.4	E			AS
69.19	90.83	13	29	12.7	N	145	10	9.7	E			AS
89.92	143.26	13	28	7	N	145	17	21.5	E			AS
64.01	109.73	13	28	44.2	N	145	11	6.5	E			AS
62.18	114.91	13	28	41.5	N	145	10	40.6	E			AS
144.78	124.05	13	28	26.4	N	145	9	9	E			AS
65.53	118.87	13	28	54.6	N	145	10	49.9	E			AS
65.53	114.3	13	28	54.3	N	145	10	59.3	E			AS
65.53	115.82	13	28	53.4	N	145	10	52.1	E			AS
100.58	126.49	13	28	42	N	145	9	44.8	E			AS
86.87	126.49	13	28	34.9	N	145	9	41.6	E			AS
65.53	114.3	13	28	51.9	N	145	10	54.1	E			AS
100.58	126.49	13	28	35.5	N	145	9	44.8	E			AS
65.53	112.78	13	28	51.3	N	145	10	58.1	E			AS
65.53	109.73	13	28	35.8	N	145	10	52.6	E			AS
65.53	112.78	13	28	48.4	N	145	10	58	E			AS
70.1	102.11	13	28	45.5	N	145	11	6.4	E			AS

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64.01	114.3	13	28	43.2	N	145	10	40.6	E			AS
65.53	109.73	13	28	42.9	N	145	10	56.3	E			AS
65.53	112.78	13	28	40.6	N	145	10	43.7	E			AS
67.06	109.73	13	28	36.2	N	145	10	43.4	E			AS
71.63	112.78	13	16	47.6	N	145	19	31.7	E			AS
71.63	106.98	13	16	46	N	145	19	33.4	E			AS
71.63	117.04	13	16	50	N	145	19	31.5	E			AS
68.58	112.47	13	16	47.8	N	145	19	32.1	E			AS
76.2	106.38	13	16	46.3	N	145	19	33.7	E			AS
77.72	91.74	13	20	32.9	N	145	20	51.3	E			AS
80.77	4.57	19	16	34	N	167	21	7	E			AS
46.33	1488.64	35	2	7	N	110	42	58	W	WINSLOW	NAVAJO	AZ
29.87	59.13	32	40	14.3	N	114	35	43.2	W	YUMA	YUMA	AZ
33.83	57.61	32	39	42.4	N	114	36	7.4	W	YUMA	YUMA	AZ
9.14	57.61	32	39	44.1	N	114	36	5.5	W	YUMA	YUMA	AZ
86.26	438.91	38	56	41	N	121	5	43	W	Stirling Junction	Butte	CA
61.87	1,264.01	37	20	44	N	118	23	46	W	Bishop	Inyo	CA
82.3	256.34	35	24	36	N	118	56	54	W	Oil City	Kern	CA
66.14	30.48	33	50	8	N	118	21	5	W	Sunny Hills	Orange	CA
136.25	67.06	34	2	17	N	118	3	3	W	Jofegan	San Diego	CA
184.1	144.17	32	44	28.9	N	117	3	39.6	W	Bayview District	San Francisco	CA
185.01	145.08	32	44	29.3	N	117	3	52.4	W	Bayview District	San Francisco	CA
185.01	146.61	32	44	20.4	N	117	3	47.5	W	Bayview District	San Francisco	CA
114.6	152.4	32	34	25	N	117	-	35	W	Bayview District	San Francisco	CA
27.43	451.41	38	39	38	N	120	56	8	W	CAMERON PARK	EL DORADO	CA
56.39	1060.7	39	56	40	N	120	53	59	W	QUINCY	PLUMAS	CA
19.2	117.04	33	48	47	N	116	29	38	W	PALM SPRINGS	RIVERSIDE	CA
10.67	93.88	32	46	30	N	117	10	23	W	SAN DIEGO	SAN DIEGO	CA
80.16	1,623.06	39	43	55	N	104	56	4	W	Hazeltine Heights	Adams	CO
81.99	1,969.01	37	13	45	N	107	51	51	W	Carbon Junction	La Plata	CO
62.79	2,389.94	39	12	28	N	106	51	21	W	Aspen	Pitkin	CO
55.17	1508.76	38	45	38	N	108	5	30	W	DELTA	DELTA	CO
71.63	53.64	41	27	58	N	71	57	43	W	Pequot Indian Reservation	New London	CT
53.34	12.19	41	18	40	N	72	55	43	W	NEW HAVEN	NEW HAVEN	CT
16.15	3.35	41	16	18	N	72	53	7	W	NEW HAVEN	NEW HAVEN	CT
56.08	89	39	0	51.1	N	77	3	56.9	W	WASHINGTON	WASHINGTON	DC
75.9	2.74	25	47	18	N	80	12	40	W	Miami	Dade	FL

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67.06	3.66	26	42	57	N	80	3	9	W	Bunche Park	Dade	FL
73.46	4.57	26	40	9	N	80	40	9	W	Vero Beach	Indian River	FL
94.49	22.56	30	43	7	N	81	55	34	W	Howey Height	Lake	FL
62.79	7.62	26	36	16	N	81	33	48	W	Lehigh Acres	Lee	FL
62.18	3.05	26	38	16	N	81	52	49	W	Fort Myers	Lee	FL
61.87	1.52	25	47	35	N	80	8	36	W	Bluefield	Martin	FL
71.32	2.44	26	10	3	N	80	7	4	W	Big Pine Key	Monroe	FL
91.44	6.1	30	23	14.5	N	86	48	16.7	W	Wynnehaven Beach	Okaloosa	FL
91.44	6.1	30	23	14.5	N	86	48	16.7	W	Wynnehaven Beach	Okaloosa	FL
87.48	5.18	26	42	44	N	80	40	58	W	Runyon	Palm Beach	FL
80.47	2.13	25	51	4	N	80	7	12	W	Connersville	Polk	FL
92.05	5.49	29	40	53	N	81	40	58	W	Pecan	Putnam	FL
62.48	1.52	29	54	28	N	81	18	48	W	Nombre de Dios	St. Johns	FL
79.25	5.79	29	59	53	N	81	35	45	W	Florence	St. Johns	FL
58.52	1.52	26	4	55	N	80	13	29	W	FORT LAUDERDALE	BROWARD	FL
44.5	1.83	26	9	9	N	81	45	6	W	NAPLES	COLLIER	FL
46.02	5.18	26	45	39	N	81	26	17	W	LA BELLE	HENDRY	FL
62.79	81.38	31	21	12	N	84	56	50	W	Blakely	Early	GA
71.02	304.8	33	36	33	N	85	5	12	W	Stratford	Fulton	GA
62.48	262.43	33	33	34	N	84	30	10	W	Rebecca Lake Estates	Fulton	GA
86.26	4.27	31	10	23	N	81	31	15	W	Gordon Heights	Glynn	GA
78.64	64.62	32	26	33	N	81	49	4	W	Rosebud	Gwinnett	GA
101.8	86.87	31	12	7	N	83	47	1	W	Elberta	Houston	GA
93.27	104.85	31	57	34	N	83	46	-	W	Elberta	Houston	GA
104.55	85.34	30	48	40	N	84	-	38	W	Seaford	Lowndes	GA
83.82	88.39	30	54	9	N	84	13	44	W	Seaford	Lowndes	GA
135.33	32.92	31	15	10	N	82	19	47	W	Bonneyman	Pierce	GA
103.63	42.98	30	39	43	N	83	52	52	W	Roddenberry	Thomas	GA
90.22	70.1	32	28	9	N	81	49	38	W	Sandersville	Washington	GA
17.68	9.14	32	0	48.3	N	81	7	39	W	SAVANNAH	CHATHAM	GA
59.13	7.62	31	59	7.9	N	81	9	17.1	W	SAVANNAH	CHATHAM	GA
24.08	94.79	32	38	58.8	N	83	36	25.3	W	WARNER ROBINS	HOUSTON	GA
24.08	95.1	32	38	59.8	N	83	36	25.1	W	WARNER ROBINS	HOUSTON	GA
26.21	34.75	31	51	50.3	N	81	37	6.4	W	Fort Stewart (Hinesville)	LIBERTY	GA
42.67	40.23	31	51	13.9	N	81	36	38.4	W	Fort Stewart (Hinesville)	LIBERTY	GA
31.09	38.1	31	52	20.5	N	81	36	0.4	W	Fort Stewart (Hinesville)	LIBERTY	GA
48.77	41.76	33	20	8	N	81	57	7	W	AUGUSTA	RICHMOND	GA

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201.17	3.05	16	44	31.8	N	169	30	35.1	W	Glenwood	Hawaii	HI
190.5	2.44	28	23	37.4	N	178	17	24.2	W	Glenwood	Hawaii	HI
50.29	60.96	21	59	0	N	159	21	47	W	LIHUE	KAUAI	HI
117.96	309.37	43	3	12	N	92	40	15	W	Grundy Center	Grundy	IA
78.64	206.65	41	39	43	N	91	34	31	W	University Heights	Johnson	IA
51.82	220.98	41	39	40	N	91	32	51	W	IOWA CITY	JOHNSON	IA
55.47	286.51	41	0	36	N	92	44	4	W	ALBIA	MONROE	IA
46.63	304.8	41	44	44	N	92	42	37	W	GRINNELL	POWESHIEK	IA
99.36	1,751.69	42	38	39	N	111	36	44	W	Soda Springs	Caribou	ID
76.2	536.45	46	28	41	N	116	14	38	W	Orofino	Clearwater	ID
46.63	1011.94	45	55	53	N	116	7	53	W	GRANGEVILLE	IDAHO	ID
60.35	1483.16	43	50	50	N	111	47	13	W	REXBURG	MADISON	ID
46.63	410.57	46	23	33	N	116	59	31	W	LEWISTON	NEZ PERCE	ID
81.99	103.63	37	18	55	N	89	29	16	W	East Cape Girardeau	Alexander	IL
81.99	103.63	37	18	55	N	89	29	16	W	East Cape Girardeau	Alexander	IL
68.58	205.74	41	54	19	N	87	55	2	W	Rising	Champaign	IL
80.77	217.02	41	42	19	N	87	58	28	W	Hastings	Cook	IL
71.02	179.83	41	53	45	N	87	37	6	W	Lace	DuPage	IL
71.63	198.12	37	48	52.3	N	89	33	8	W	Elkville	Jackson	IL
71.63	198.12	37	48	52.3	N	89	33	8	W	Elkville	Jackson	IL
108.2	215.49	41	29	34	N	90	27	47	W	East Moline	Rock Island	IL
74.68	208.79	38	10	49.3	N	90	12	8	W	Clear Lake	Sangamon	IL
43.59	179.83	41	53	5	N	87	37	3	W	CHICAGO	COOK	IL
57.3	163.07	38	37	56	N	88	55	2	W	SALEM	MARION	IL
126.19	400.81	39	5	48	N	96	47	52	W	Council Grove	Morris	KS
85.04	453.54	38	20	19	N	97	40	6	W	Pauline	Shawnee	KS
49.68	782.73	37	47	33	N	100	0	36	W	DODGE CITY	FORD	KS
57.3	366.67	39	51	28	N	96	38	57	W	MARYSVILLE	MARSHALL	KS
52.73	295.66	37	41	18	N	95	28	13	W	CHANUTE	NEOSHO	KS
156.36	202.69	36	48	51	N	86	52	50	W	Russellville	Logan	KY
156.36	202.69	36	48	51	N	86	52	50	W	Russellville	Logan	KY
85.65	158.5	36	21	5	N	78	22	34	W	Inez	Martin	KY
93.88	429.77	37	14	21	N	83	12	39	W	Hazard	Perry	KY
46.02	229.82	37	41	1	N	85	54	35.8	W	ELIZABETHTOWN	HARDIN	KY
52.12	226.77	37	40	0.8	N	85	55	29.7	W	ELIZABETHTOWN	HARDIN	KY
73.15	16.76	30	27	3	N	91	7	54	W	Bells Store	East Feliciana	LA
87.78	37.19	32	49	7	N	91	54	29	W	Barnet Springs	Lincoln	LA

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62.18	113.69	32	1	19	N	93	44	19	W	Minden	Webster	LA
46.02	13.72	30	28	19	N	92	24	50	W	EUNICE	ACADIA	LA
28.65	11.89	30	12	42	N	92	0	30	W	LAFAYETTE	LAFAYETTE	LA
70.1	22.56	42	38	58	N	71	18	39	W	Centralville	Middlesex	MA
76.2	10.97	42	20	18	N	71	6	28	W	Centralville	Middlesex	MA
7.01	35.66	41	39	21.2	N	70	31	17	W	FALMOUTH	BARNSTABLE	MA
9.75	38.1	41	39	40	N	70	32	11.9	W	FALMOUTH	BARNSTABLE	MA
97.54	160.02	39	23	15	N	76	43	11	W	The Village	Baltimore	MD
69.19	6.71	39	23	52.9	N	76	18	5.4	W	Old Baltimore	Harford	MD
45.42	56.39	39	21	10	N	76	28	50	W	BALTIMORE	BALTIMORE	MD
46.33	1.83	39	21	23.4	N	76	18	3	W	EDGEWOOD ARSENAL	HARFORD	MD
53.64	2.13	39	22	49.3	N	76	16	46.7	W	EDGEWOOD ARSENAL	HARFORD	MD
22.25	6.1	38	17	24.3	N	76	25	51.4	W	PATUXENT RIVER	ST MARYS	MD
7.32	7.01	38	16	38.8	N	76	25	20	W	PATUXENT RIVER	ST MARYS	MD
8.23	9.14	38	16	39.8	N	76	25	27.2	W	PATUXENT RIVER	ST MARYS	MD
28.04	9.14	38	16	57.1	N	76	25	26.7	W	PATUXENT RIVER	ST MARYS	MD
78.33	88.39	44	5	37	N	70	11	22	W	Ellsworth	Hancock	ME
80.47	42.67	44	46	51	N	68	44	51	W	Brewer	Penobscot	ME
61.57	138.68	46	39	17	N	68	3	1	W	North Bangor	Penobscot	ME
123.44	140.21	46	20	30	N	67	49	2	W	North Bangor	Penobscot	ME
78.94	219.46	43	24	36	N	84	27	31	W	Breckenridge	Gratiot	MI
67.67	246.89	43	34	35	N	84	45	56	W	Mount Pleasant	Isabella	MI
114.3	220.98	42	58	9	N	85	39	55	W	Milwood	Kalamazoo	MI
91.44	177.09	41	47	30	N	83	26	55	W	Luna Pier	Monroe	MI
123.75	179.83	42	47	40	N	86	6	22	W	Muskegon Heights	Muskegon	MI
79.25	182.88	42	20	10	N	83	3	8	W	Southfield	Oakland	MI
62.79	355.09	44	17	50	N	84	42	28	W	Prudenville	Roscommon	MI
58.22	307.85	41	54	34	N	85	0	21	W	COLDWATER	BRANCH	MI
47.24	404.77	45	49	16	N	88	3	17	W	Iron Mountain Kingsford	DICKINSON	MI
97.54	375.21	46	9	28	N	94	20	33	W	Sleepy Eye	Brown	MN
68.58	252.98	44	49	2	N	93	17	41	W	Saint Louis Park	Hennepin	MN
98.45	257.86	44	58	46	N	93	16	14	W	Minneapolis	Hennepin	MN
82.3	381	46	17	14	N	96	6	15	W	Mahnomen	Mahnomen	MN
103.63	289.56	45	33	10	N	93	34	55	W	Princeton	Mille Lacs	MN
64.92	210.31	44	20	45	N	91	58	41	W	Kellogg	Wabasha	MN
76.81	297.18	44	7	50	N	94	1	53	W	Monticello	Wright	MN
57	321.87	48	50	42	N	95	43	34	W	ROSEAU	ROSEAU	MN

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84.12	260.3	36	53	24	N	94	47	8	W	Stockton	Cedar	MO
82.6	143.26	39	53	19	N	91	25	27	W	Mark	Marion	MO
64.01	339.85	40	19	48	N	94	52	33	W	Maryville	Nodaway	MO
97.84	246.89	38	42	33	N	93	15	54	W	Sedalia	Pettis	MO
64.92	239.27	37	51	22	N	90	30	17	W	Esther	St. Francois	MO
64.92	239.27	37	51	22	N	90	30	17	W	Esther	St. Francois	MO
132.59	394.41	37	8	3	N	93	16	40	W	Hercules	Taney	MO
60.96	259.08	39	44	22	N	94	50	46	W	ST JOSEPH	BUCHANAN	MO
46.63	258.47	37	50	3	N	94	20	48	W	NEVADA	VERNON	MO
152.1	82.3	34	18	3	N	88	42	19	W	Corinth	Alcorn	MS
152.1	82.3	34	18	3	N	88	42	19	W	Corinth	Alcorn	MS
169.47	99.67	33	55	43	N	89	-	37	W	West Point	Clay	MS
169.47	99.67	33	55	43	N	89	-	37	W	West Point	Clay	MS
69.19	43.89	31	20	46	N	89	16	33	W	Petal	Forrest	MS
69.19	43.89	31	20	46	N	89	16	33	W	Petal	Forrest	MS
63.7	140.51	34	21	46	N	89	30	10	W	Rollings Woods	Lafayette	MS
63.7	140.51	34	21	46	N	89	30	10	W	Rollings Woods	Lafayette	MS
152.1	83.82	34	18	14	N	88	42	17	W	Northwood Estates	Lee	MS
152.1	83.82	34	18	14	N	88	42	17	W	Northwood Estates	Lee	MS
100.58	70.1	33	32	32	N	88	23	52	W	Penningtons Lake	Lowndes	MS
77.11	68.58	31	42	52	N	89	9	47	W	Kolola Springs	Lowndes	MS
100.58	70.1	33	32	32	N	88	23	52	W	Penningtons Lake	Lowndes	MS
77.11	68.58	31	42	52	N	89	9	47	W	Kolola Springs	Lowndes	MS
94.49	103.02	32	21	54	N	88	42	2	W	Value	Rankin	MS
94.49	103.02	32	21	54	N	88	42	2	W	Value	Rankin	MS
57	59.44	33	46	48	N	89	48	9	W	GRENADA	GRENADA	MS
57	59.44	33	46	48	N	89	48	9	W	GRENADA	GRENADA	MS
22.86	1115.57	47	29	8	N	111	21	16	W	GREAT FALLS	CASCADE	MT
76.2	219.46	35	26	14	N	80	36	20	W	Cooks Crossing	Cabarrus	NC
68.58	172.21	34	59	17	N	80	31	4	W	Cooks Crossing	Cabarrus	NC
62.48	281.94	35	39	55	N	81	14	39	W	Newton	Catawba	NC
63.4	237.74	35	12	53	N	81	10	30	W	Lake Wood	Gaston	NC
71.32	78.64	35	47	5	N	78	35	17	W	Shawtown	Harnett	NC
118.57	23.77	35	23	54	N	78	-	31	W	Love Grove	New Hanover	NC
53.95	2.44	35	32	27	N	77	3	21	W	WASHINGTON	BEAUFORT	NC
22.56	358.75	35	44	36	N	81	23	18	W	HICKORY	CATAWBA	NC
60.96	22.86	34	18	29	N	78	42	51	W	WHITEVILLE	COLUMBUS	NC

Tower Locations That Appear To
Require FCC Registration

60.66	441.96	48	6	42	N	98	50	45	W	DEVILS LAKE	RAMSEY	ND
55.17	292.61	46	16	50	N	96	35	18	W	WHPETON	RICHLAND	ND
81.99	357.53	40	48	42	N	96	42	12	W	Lincoln	Lancaster	NE
80.77	303.89	41	11	20	N	95	-	20	W	Bellevue	Sarpy	NE
53.04	300.53	41	15	45	N	95	55	36	W	OMAHA	DOUGLAS	NE
55.47	300.23	41	15	41	N	95	55	37	W	OMAHA	DOUGLAS	NE
42.06	486.46	40	1	21	N	98	4	39	W	SUPERIOR	NUCKOLLS	NE
47.24	322.48	41	10	48	N	95	55	40	W	OMAHA	SARPY	NE
69.19	94.49	40	47	59	N	74	28	51	W	Morristown	Morris	NJ
96.32	70.1	44	16	33.1	N	75	19	5.6	W	Oldmans	Salem	NJ
62.79	1,813.56	32	46	53	N	108	16	13	W	Silver City	Grant	NM
74.68	1,594.10	36	43	49	N	108	13	46	W	Farmington	San Juan	NM
39.62	1241.15	32	52	11	N	106	7	3.6	W	ALAMOGORDO	OTERO	NM
39.62	1241.15	32	52	13.1	N	106	7	3.6	W	ALAMOGORDO	OTERO	NM
35.05	1239.62	32	52	8.7	N	106	7	9.6	W	ALAMOGORDO	OTERO	NM
38.1	1233.22	32	50	18.1	N	106	6	58.2	W	ALAMOGORDO	OTERO	NM
34.44	1246.94	32	52	56.8	N	106	6	27.7	W	ALAMOGORDO	OTERO	NM
16.15	1269.49	32	51	8.8	N	106	0	25.5	W	ALAMOGORDO	OTERO	NM
24.38	1243.58	32	52	26.3	N	106	6	58.1	W	ALAMOGORDO	OTERO	NM
61.87	1,367.03	40	57	54	N	117	42	50	W	Winnemucca	Humboldt	NV
167.64	643.13	36	6	36	N	115	10	22	W	Golden Arrow	Nye	NV
92.96	1,338.99	39	32	38	N	119	42	51	W	Wedekind	Washoe	NV
22.25	1196.64	39	24	29.9	N	118	42	6.1	W	FALLON	CHURCHILL	NV
18.59	1197.56	39	25	1.4	N	118	43	11.8	W	FALLON	CHURCHILL	NV
7.92	1200.91	39	26	16.4	N	118	43	17	W	FALLON	CHURCHILL	NV
60.35	1545.34	40	50	37	N	115	45	1	W	ELKO	ELKO	NV
64.01	24.38	40	46	57	N	73	57	8	W	Fosterville	Cayuga	NY
70.1	182.88	42	53	52	N	78	52	27	W	Buffalo	Erie	NY
284.68	12.19	40	45	30	N	73	58	13	W	Long Island City	Queens	NY
71.32	28.04	40	54	43	N	73	46	53	W	New Rochelle	Westchester	NY
44.81	163.68	43	5	11	N	77	40	5	W	ROCHESTER	MONROE	NY
56.08	173.74	43	6	50	N	77	37	15	W	ROCHESTER	MONROE	NY
51.51	8.53	40	35	56	N	73	45	12	W	NEW YORK	QUEENS	NY
46.94	15.24	40	44	30	N	73	52	60	W	NEW YORK	QUEENS	NY
7.32	42.67	41	59	6	N	73	57	56	W	KINGSTON	ULSTER	NY
70.1	200.56	41	29	7	N	81	41	29	W	Highland Heights	Cuyahoga	OH
61.26	209.09	41	27	43	N	81	41	51	W	Tremont	Cuyahoga	OH

Tower Locations That Appear To
Require FCC Registration

72.24	198.12	39	21	30	N	82	6	24	W	Rosemount	Scioto	OH
78.03	354.18	41	16	31	N	81	37	28	W	East Center	Summit	OH
56.39	263.04	40	4	56	N	83	7	44	W	COLUMBUS	FRANKLIN	OH
49.68	263.35	40	3	8	N	82	25	58	W	NEWARK	LICKING	OH
104.55	208.79	34	-	1	N	96	24	31	W	Moore	Cleveland	OK
62.48	197.21	34	56	30	N	95	44	8	W	Bacone	Muskogee	OK
70.1	201.47	36	43	57	N	95	57	20	W	Bartlesville	Washington	OK
218.85	216.71	36	9	18	N	95	59	26	W	Capron	Woods	OK
34.14	359.66	35	27	49	N	97	32	42	W	OKLAHOMA CITY	OKLAHOMA	OK
47.24	213.36	36	46	4	N	95	57	41	W	BARTLESVILLE	OSAGE	OK
62.48	45.72	44	39	5	N	124	3	1	W	Corvallis	Benton	OR
129.54	124.97	44	5	50	N	123	4	22	W	Tillamook	Tillamook	OR
46.63	1454.81	42	12	57	N	120	21	51	W	LAKEVIEW	LAKE	OR
53.64	60.96	44	57	22	N	122	59	8	W	SALEM	MARION	OR
74.07	621.79	41	38	54	N	78	48	4	W	Esther	Beaver	PA
83.82	78.94	40	20	5	N	75	55	31	W	Van Reeds Mill	Berks	PA
92.96	359.66	39	51	35	N	79	44	53	W	Chadville	Fayette	PA
64.01	195.07	39	54	15	N	77	39	44	W	Guilford Springs	Franklin	PA
71.63	369.72	18	19	9.9	N	67	10	54.6	W	Hacienda Eugenia	Anasco	PR
62.48	225.55	18	4	3.6	N	67	1	12.2	W	Hacienda Eugenia	Anasco	PR
67.06	225.55	18	25	54.9	N	67	7	48.1	W	Hacienda Eugenia	Anasco	PR
67.06	128.02	18	27	56.5	N	67	4	10	W	Hacienda Eugenia	Anasco	PR
83.82	82.91	18	26	14.6	N	66	33	27.8	W	Imbery	Barceloneta	PR
63.4	85.04	18	21	23.5	N	66	5	7	W	Imbery	Barceloneta	PR
62.48	15.85	18	8	57	N	65	48	54.2	W	Vistamar	Carolina	PR
117.35	6.1	18	25	13.8	N	66	8	23.5	W	Ceiba	Ceiba	PR
123.44	160.02	18	1	24.7	N	66	38	5.3	W	Quebrada Seca	Ceiba	PR
68.58	3.05	18	13	45.7	N	65	37	6.8	W	Ceiba	Ceiba	PR
91.44	100.89	17	59	25.9	N	66	6	41.8	W	Coabey	Jayuya	PR
77.72	39.62	18	25	55.7	N	66	29	52.8	W	Manati	Manati	PR
78.94	1,029.61	18	18	39.6	N	65	47	32.5	W	Campamento Zarzal	Rio Grande	PR
100.58	7.01	17	58	4.1	N	66	11	58.4	W	Campamento Zarzal	Rio Grande	PR
88.7	134.42	18	21	41.8	N	65	47	41.7	W	Las Tres	Rio Grande	PR
87.48	15.24	18	20	36	N	65	38	8	W	Plantaje	Toa Baja	PR
83.82	3.05	18	27	25	N	66	5	14	W	Regadera	Vega Alta	PR
21.34	128.02	18	27	57.7	N	67	4	4.8	W	AGUADILLA		PR
21.34	128.02	18	27	58.4	N	67	4	5	W	AGUADILLA		PR

Tower Locations That Appear To
Require FCC Registration

22.86	128.02	18	27	58.9	N	67	4	4.5	W	AGUADILLA		PR
21.34	128.02	18	27	58.8	N	67	4	3.8	W	AGUADILLA		PR
19.81	128.02	18	27	58.1	N	67	4	3.6	W	AGUADILLA		PR
21.34	128.02	18	27	57.6	N	67	4	4	W	AGUADILLA		PR
13.72	128.02	18	27	59	N	67	4	10.2	W	AGUADILLA		PR
30.48	106.68	18	28	31.5	N	67	7	14.6	W	AGUADILLA		PR
30.48	106.68	18	28	30.5	N	67	7	12.2	W	AGUADILLA		PR
30.48	106.68	18	28	28.1	N	67	7	13.4	W	AGUADILLA		PR
14.63	0.91	18	25	55.9	N	66	0	39.5	W	SAN JUAN		PR
8.84	2.13	18	25	55.7	N	66	0	38.7	W	SAN JUAN		PR
12.19	3.05	18	25	58.2	N	66	0	40.7	W	SAN JUAN		PR
33.53	53.04	18	15	46.9	N	65	38	50.5	W	FAJARDO		PR
33.53	53.04	18	15	46.9	N	65	38	50.5	W	ROOSEVELT ROADS		PR
30.48	3.05	18	26	13.2	N	66	0	22.9	W	SAN JUAN		PR
30.48	3.05	18	26	14.2	N	66	0	22.9	W	SAN JUAN		PR
30.48	3.05	18	26	15.3	N	66	0	22.9	W	SAN JUAN		PR
30.48	3.05	18	26	16.3	N	66	0	22.9	W	SAN JUAN		PR
30.48	3.05	18	26	13.1	N	66	0	21.9	W	SAN JUAN		PR
30.48	3.05	18	26	14.2	N	66	0	21.9	W	SAN JUAN		PR
30.48	3.05	18	26	13.2	N	66	0	21	W	SAN JUAN		PR
30.48	3.05	18	26	14.2	N	66	0	21	W	SAN JUAN		PR
30.48	3.05	18	26	15.3	N	66	0	21	W	SAN JUAN		PR
30.48	3.05	18	26	13.1	N	66	0	20	W	SAN JUAN		PR
30.48	3.05	18	26	14.2	N	66	0	20	W	SAN JUAN		PR
30.48	3.05	18	26	15.3	N	66	0	20	W	SAN JUAN		PR
19.81	71.63	18	14	10.8	N	65	38	43.1	W	ROOSEVELT ROADS		PR
38.1	22.86	18	27	54	N	66	6	59	W	SAN JUAN		PR
36.58	20.12	18	0	29.1	N	66	35	32.3	W	PONCE		PR
18.29	4.57	18	27	8.5	N	65	59	26.6	W	SAN JUAN		PR
27.43	3.05	18	13	28.3	N	65	36	58.5	W	ROOSEVELT ROADS		PR
41.15	15.24	18	13	57.5	N	65	37	3.6	W	ROOSEVELT ROADS		PR
67.06	49.99	33	29	37.8	N	81	59	51.3	W	Savannah Terrace	Aiken	SC
86.87	83.21	33	14	51.7	N	81	29	39.4	W	Snelling	Barnwell	SC
99.06	76.81	33	14	52	N	81	29	42	W	Snelling	Barnwell	SC
62.48	176.78	34	43	2	N	80	44	49	W	Snelling	Barnwell	SC
65.23	92.05	33	59	55	N	81	1	51	W	Holly Springs	Greenville	SC
98.45	32.31	34	12	40	N	79	36	8	W	Westwood Estates	Horry	SC

Tower Locations That Appear To
Require FCC Registration

53.95	5.49	33	51	1	N	79	4	14	W	CONWAY	HORRY	SC
137.16	592.84	45	32	7	N	100	20	46	W	Melrose Addition	Brown	SD
83.21	605.03	43	23	8	N	99	54	39	W	Dixon	Gregory	SD
42.37	535.53	44	55	58	N	97	6	20	W	WATERTOWN	CODINGTON	SD
85.34	129.54	36	16	47	N	88	17	39	W	Hancock	Henry	TN
85.34	129.54	36	16	47	N	88	17	39	W	Hancock	Henry	TN
63.09	164.59	35	39	52	N	88	49	18	W	Hicksville	Madison	TN
127.41	166.42	35	39	39	N	88	45	27	W	Lawrence	Madison	TN
63.09	164.59	35	39	52	N	88	49	18	W	Hicksville	Madison	TN
127.41	166.42	35	39	39	N	88	45	27	W	Lawrence	Madison	TN
114.6	158.8	36	9	48	N	86	46	56	W	Buckner Pine Subdivision	Montgomery	TN
114.6	158.8	36	9	48	N	86	46	56	W	Buckner Pine Subdivision	Montgomery	TN
96.32	100.58	30	10	8	N	90	25	21	W	Oak Valley	Rutherford	TN
96.32	100.58	30	10	8	N	90	25	21	W	Oak Valley	Rutherford	TN
60.05	199.64	35	12	9	N	87	3	34	W	PULASKI	GILES	TN
60.05	199.64	35	12	9	N	87	3	34	W	PULASKI	GILES	TN
91.44	130.45	31	32	19	N	96	52	0.4	W	Lackland Heights	Bexar	TX
70.1	242.93	31	6	30	N	97	39	50.1	W	Live Oak	Bexar	TX
61.26	405.38	31	43	35	N	98	57	49	W	Early	Brown	TX
64.01	198.42	31	52	46.7	N	97	5	31.8	W	Coleman	Coleman	TX
65.53	126.49	31	30	58.9	N	97	6	39.7	W	Comal	Comal	TX
62.48	175.56	31	46	27.6	N	97	8	11.9	W	Mound	Coryell	TX
77.72	171.91	32	51	50	N	96	48	39	W	University Park	Dallas	TX
99.97	143.26	32	47	20	N	96	46	51	W	Dallas	Dallas	TX
79.86	29.26	30	6	33.4	N	94	54	50	W	Longview	Gregg	TX
91.44	153.31	31	39	19.9	N	97	59	50.2	W	Whiteway	Hamilton	TX
62.48	1.52	28	59	13	N	95	20	2	W	Houston	Harris	TX
62.48	13.72	26	22	34	N	97	53	44	W	Monte Alto	Hidalgo	TX
77.72	14.02	28	59	46	N	95	54	44	W	Bay City	Matagorda	TX
62.18	46.63	30	19	3	N	95	5	19	W	Conroe	Montgomery	TX
88.39	137.16	31	36	39	N	94	37	36	W	Orton Hill	Nacogdoches	TX
74.68	137.16	31	34	10	N	97	-	1	W	Big Lake	Reagan	TX
164.59	150.88	29	16	3	N	98	16	28	W	Leakey	Real	TX
63.7	723.9	32	43	24	N	100	56	18	W	Snyder	Scurry	TX
112.17	291.69	33	55	14	N	98	32	42	W	Pleasant Valley	Wichita	TX
52.12	243.84	29	31	40	N	98	29	5	W	SAN ANTONIO	BEXAR	TX
50.6	1353.31	30	22	26	N	103	39	46	W	ALPINE	BREWSTER	TX

Tower Locations That Appear To
Require FCC Registration

53.04	191.11	32	57	17	N	96	49	13	W	DALLAS	DALLAS	TX
58.52	182.58	32	58	5	N	96	49	7	W	DALLAS	DALLAS	TX
57.91	176.78	28	31	13	N	99	51	33	W	CARRIZO SPRINGS	DIMMIT	TX
23.16	31.09	26	10	40	N	98	14	1	W	MC ALLEN	HIDALGO	TX
46.63	487.07	32	55	52	N	99	46	59	W	STAMFORD	JONES	TX
50.29	1087.53	33	56	17	N	102	20	41	W	LITTLEFIELD	LAMB	TX
55.78	85.34	32	9	18	N	94	19	14	W	CARTHAGE	PANOLA	TX
60.05	377.34	32	45	0	N	98	55	39	W	BRECKENRIDGE	STEPHENS	TX
27.13	542.54	32	26	4.1	N	99	51	0.7	W	ABILENE	TAYLOR	TX
26.82	542.54	32	26	4.3	N	99	50	59.8	W	ABILENE	TAYLOR	TX
26.52	542.54	32	26	4.5	N	99	50	58.8	W	ABILENE	TAYLOR	TX
44.5	537.06	32	25	13.2	N	99	50	4.7	W	ABILENE	TAYLOR	TX
32	2.13	16	43	41.4	S	169	32	23.1	W	JOHNSTON ISLAND		UM
77.11	1,374.95	41	45	24	N	111	50	10	W	Greenville	Cache	UT
68.58	1,524.30	38	48	33	N	112	53	23	W	Iron Basin	Millard	UT
92.96	1,299.97	41	10	38	N	112	4	15	W	Riverton Meadows	Salt Lake	UT
83.21	1,627.63	40	29	30	N	109	31	47	W	Vernal	Uintah	UT
67.67	1,310.64	41	30	42	N	112	1	55	W	Provo	Utah	UT
86.26	81.38	38	52	55	N	77	6	19	W	Broken Hill	Fauquier	VA
88.7	292.61	38	46	22	N	78	37	32	W	Hawkinstown	Shenandoah	VA
100.58	19.81	38	53	38	N	77	4	8	W	Willow Grove	Shenandoah	VA
38.1	347.47	37	21	18	N	79	57	13	W	ROANOKE	ROANOKE	VA
50.29	5.79	17	42	15.6	N	64	45	5.2	W	CHRISTIANSTED		VI
19.2	3.96	17	41	57	N	64	47	51	W	CHRISTIANSTED		VI
21.34	50.29	17	42	42.5	N	64	48	55.8	W	CHRISTIANSTED		VI
62.48	746.76	47	53	12	N	118	58	18	W	Bagdad Junction	Lincoln	WA
87.78	249.94	48	24	-	N	119	32	11	W	Omak	Okanogan	WA
67.06	338.63	46	49	30	N	119	8	40	W	Mill Creek	Snohomish	WA
93.27	725.42	47	35	50	N	117	22	17	W	Glenrose	Spokane	WA
24.38	164.59	46	13	11	N	119	13	42	W	KENNEWICK	BENTON	WA
77.72	179.83	44	49	38	N	87	21	26	W	Sturgeon Bay	Door	WI
208.79	263.35	43	2	7	N	88	7	54	W	Hillsboro	Vernon	WI
12.8	250.55	43	59	25	N	88	35	16	W	OSHKOSH	WINNEBAGO	WI
100.89	722.38	37	46	46	N	81	9	20	W	Aracoma	Logan	WV
77.11	914.4	38	13	48	N	80	32	48	W	Richwood	Nicholas	WV
101.8	487.68	37	35	11	N	81	32	6	W	Cabell	Raleigh	WV
100.89	719.94	37	46	38	N	81	9	34	W	Maynor	Raleigh	WV

Tower Locations That Appear To
Require FCC Registration

51.21	730	37	45	42	N	81	6	19	W	BECKLEY	RALEIGH	WV
81.99	2,432.61	41	20	13	N	106	3	1	W	Trelona	Goshen	WY
61.87	2,089.40	41	15	28	N	110	56	33	W	Evanston	Uinta	WY