

Definitions for the FCC Licensing Databases used in this report, most of which are depicted on Map 5 are defined below. The tables of data describing the specific location and ownership of these facilities are also included. Please note that these databases are updated periodically. The original data can be downloaded from the following web address: http://wireless.fcc.gov/geographic/fcc_db.html

Antenna Structure Registration

The Antenna Structure Registration Program is the process under which each antenna structure that requires FAA notification -- including new and existing structures -- must be registered with the FCC by its owner. The owner is the single point of contact for resolving antenna-related problems and is responsible for the maintenance of those structures requiring painting and/or lighting. Note that because the Antenna Structure Registration requirements only apply to those antenna structures that may create a hazard to air navigation (either by their height or proximity to an airport), the registration files do not contain a comprehensive record of all antenna structures.

Cellular

Licensees use cellular radiotelephone service (commonly referred to as cellular) spectrum to provide a mobile telecommunications service for hire to the general public using cellular systems. Cellular licensees may operate using either analog or digital networks, or both. Cellular licensees that operate digital networks may also offer advanced two-way data services. The Commission and other wireless industry representatives often refer to these services as "Mobile Telephone Services" and "Mobile Data Services."

Cellular Telephone Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location Address	Town
MAINE RSA #4, INC.	44,57,1	67,15,12	4 miles NW of Dennysville	Dennysville
MAINE RSA #4, INC.	44,41,37	67,24,28	3 MILES BEARING 25 DEGREES FROM MACHIAS	Machias
MAINE RSA #4, INC.	45,9,48	67,15,3	Calais Cell Site Behind Washington County Comm. College	Calais
MAINE RSA #4, INC.	44,34,16	67,51,56	2.5 NM NE of Milbridge	Milbridge
MAINE RSA #4, INC.	45,23,18	67,47,52	3.6 Miles Bearing 235 from Topsfield	Topsfield
MAINE RSA #4, INC.	44,57,56	67,38,57	1.2 Miles NE of Wesley	Wesley
Atlantic Cellular Telephone of Delaware, LLC	44,34,16	67,51,56	2.5 NM NE	Milbridge
Atlantic Cellular Telephone of Delaware, LLC	45,9,44	67,15,5	BHD. WASHINGTON COUNTY TECHNICAL COLLEGE	Calais
Atlantic Cellular Telephone of Delaware, LLC	44,57,56	67,38,55	On I-9, 0.5 miles NE of Wesley	Wesley
Atlantic Cellular Telephone of Delaware, LLC	44,41,37	67,24,26	3 Miles Bearing 25 degrees from Machias	Machias

FM Stations

Public and private radio broadcasting services.

Land Mobile – Broadcast

Land Mobile – Commercial

Land Mobile – Private

Private land mobile radio systems are used by companies, local governments, and other organizations to meet a wide range of communication requirements, including coordination of people and materials, important safety and security needs, and quick response in times of emergency. These systems, which often share frequencies with other private users, make possible many day-to-day activities that people across the United States have come to rely on, whether directly or indirectly. Public safety agencies, utilities, railroads, manufacturers, and a wide variety of other businesses - from delivery companies to landscapers to building maintenance firms - rely on their business radio systems every day. The services included in Private Land Mobile are Public Safety, Industrial/Business¹, Private Land Mobile Paging, and Radiolocation.

Land Mobile Broadcast Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
WQDY, INC.	45,10,2	67,16,36	0.3MI S OF S ST ON RD TO	CALAIS
WQDY, INC.	45,10,55	67,15,57	10 FRANKLIN ST	CALAIS
MAINE PUBLIC BROADCASTING CORPORATION	45,1,44	67,19,22	MEDDYBEMPS	MEDDYBEMPS
WQDY, INC.	45,10,55	67,15,57	10 FRANKLIN ST.	CALAIS

Land Mobile Commercial Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
PRINCETON CALAIS TRANSLATORS INC	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
NEXTEL COMMUNICATIONS OF THE MID ATLANTIC INC DBA NEXTEL COMMUNICATIONS	44,59,14	67,28,5	SUMMIT OF COOPER MOUNTAIN	COOPER
NEXTEL COMMUNICATIONS OF THE MID ATLANTIC INC DBA NEXTEL COMMUNICATIONS	44,43,36	67,29,45	PUMPKIN RIDGE	MACHIAS
NEXTEL COMMUNICATIONS OF THE MID ATLANTIC INC	44,34,38	67,36,1	7.5 MI SSW OF US 1 & US 1A	MACHIAS
NEXTEL COMMUNICATIONS OF THE MID ATLANTIC INC	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
PRINCETON CALAIS TRANSLATORS INC	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
Arch Wireless License Co., LLC	44,59,12	67,28,2	COOPER MOUNTAIN	COOPER
PRINCETON CALAIS TRANSLATORS INC	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
PCT COMMUNICATIONS	45,23,21	67,47,48	MUSQUASH MOUNTAIN SUMMIT	TOPSFIELD
ATLANTIC COMMUNICATIONS, INC.	44,59,14	67,28,0	COOPER MOUNTAIN	COOPER

¹ Industrial/Business radio systems serve a great variety of communications needs. Companies, large and small, use their radio systems to support their business operations, safety and emergency needs. Although each licensee uses their system to serve specific requirements that vary from entity to entity, there is one characteristic that all these private wireless licensees share that differentiates them from commercial use. They use radio communications as a tool, as they would any other tool or machine, to contribute to the production of some other good or service in the most efficient way possible. For commercial wireless service providers, by contrast, the services offered over the radio system are the end product.

Land Mobile Commercial Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
ATLANTIC COMMUNICATIONS, INC.	44,43,21	67,40,2	MITTEN MOUNTAIN	CENTERVILLE
PRINCETON CALAIS TRANSLATORS INC DBA PCT COMMUNICATIONS	44,41,28	67,46,33	3 MI N OF RT 1 ON EPPING RD	COLUMBIA
GARDNER, CLINTON	44,58,1	67,27,49	COOPER MOUNTAIN W	COOPER
GARDNER, CLINTON	44,44,20	67,23,33	.25 MI N OF INT RT 1 & 191	EAST MACHIAS

Land Mobile Private Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
CALAIS, CITY OF	45,10,49	67,17,4	FIRE STA NO ST OPPOSITE UNION ST	CALAIS
DENNSYVILLE, TOWN OF	44,54,10	67,14,23	FIRE STATION	DENNSYVILLE
WASHINGTON, COUNTY OF	44,41,28	67,46,33	TOWN OF COLUMBIA FIRE STA	COLUMBIA
WASHINGTON, COUNTY OF	45,10,49	67,17,4	CALAIS FIRE STA NORTH ST	CALAIS
WASHINGTON, COUNTY OF	44,43,5	67,27,53	COUNT COURT HOUSE 47 COURT ST	MACHIAS
WASHINGTON, COUNTY OF	44,42,59	67,27,35	MACHIAS CTR	MACHIAS
WASHINGTON, COUNTY OF	44,55,15	67,28,8	COOPER MOUNTAIN	COOPER
WASHINGTON, COUNTY OF	44,41,28	67,46,33	COLUMBIA FIRE STA EPPING RD	COLUMBIA
HARRINGTON, TOWN OF	44,37,30	67,49,18	HARRINGTON FIRE STA RT 1	HARRINGTON
MACHIAS, TOWN OF	44,43,2	67,27,51	VALLEY VIEW RD	MACHIAS
MAINE, STATE OF	44,59,12	67,28,21	WEST SIDE OF RT 191 2 MI N OR COOPER TOWN LINE	COOPER
MAINE, STATE OF	44,59,12	67,28,1	COOPER Z HILL W RT 191	COOPER
MAINE, STATE OF	44,59,12	67,27,58	COOPER HILL	COOPER
MAINE, STATE OF	44,42,59	67,27,35	COUNTY COURTHOUSE 47 COURT ST	MACHIAS
PASSAMAQUODDY WATER DISTRICT	44,55,4	67,0,45		
PASSAMAQUODDY TRIBAL GOVERNMENT	44,57,32	67,2,25	PLEASANT POINT MUNICIPAL BLDG PLEASANT POINT PASSAMAQUODDY RESERVATION	PERRY
LUBEC, TOWN OF	44,51,35	66,59,7	LUBEC CENTRAL FIRE STATION SCHOOL ST FIRE STATION LN	LUBEC
WASHINGTON, COUNTY OF INDIAN TOWNSHIP TRIBAL GOVERNMENT	44,41,28	67,46,33	COLUMBIA FIRE STATION	COLUMBIA
CALAIS, CITY OF	45,12,50	67,37,47	PUBLIC SAFETY BLDG PETER DANA POINT	PRINCETON
CALAIS, CITY OF	45,10,49	67,17,4	MUNICIPAL BLDG NORTH ST	CALAIS
BAILEYVILLE, TOWN OF	45,9,18	67,24,55	TOWN OFFICE 27 BROADWAY	BAILEYVILLE
WASHINGTON, COUNTY OF	44,55,15	67,28,8	COOPER MOUNTAIN	COOPER
DENNSYVILLE, TOWN OF	44,54,10	67,14,23	FIRE STATION	DENNSYVILLE
PENOBSCOT, COUNTY OF	44,42,59	67,27,35	47 COURT ST	MACHIAS
WASHINGTON, COUNTY OF	45,10,22	67,16,13	SE COR CEMETARY	CALAIS
WASHINGTON, COUNTY OF	44,42,59	67,27,35	COUNTY COURTHOUSE	MACHIAS
WASHINGTON, COUNTY OF	44,42,59	67,27,35	COUNTY COURT HOUSE	MACHIAS
WASHINGTON, COUNTY OF	44,41,28	67,46,33	FIRE STATION	COLUMBIA
MACHIAS, TOWN OF	44,43,2	67,27,37	FIRE STATION OUTER BROADWAY	MACHIAS
DEBLOIS, TOWN OF	44,44,20	68,0,41	FIRE STA ON RT 193 AT JCT OF LANE RD	DEBLOIS
LUBEC, TOWN OF	44,51,18	66,58,57		

Land Mobile Private Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
WASHINGTON, COUNTY OF	44,42,59	67,27,35	CTY COURTHOUSE 47 COURT ST	MACHIAS
WASHINGTON, COUNTY OF	45,10,49	67,17,4	INT NORTH AND UNION ST	CALAIS
MILBRIDGE, TOWN OF	44,32,21	67,52,58	MUNICIPAL BLDG .3 MI OFF RT 1A ON SCHOOL ST	MILBRIDGE
EAST MACHIAS, TOWN OF	44,44,11	67,23,42	US RT 1 MAIN ST	EAST MACHIAS
MAINE, STATE OF	44,38,38	67,23,13	DOWNEAST CORRECTIONAL FACILITY RT 91	BUCKS HARBOR
STEUBEN, TOWN OF	44,30,48	67,58,21	INT OF RT 1 AND UNIONVILLE RD	STEUBEN
BAILEYVILLE, TOWN OF	45,8,19	67,23,20	1 KM S OF MAIN ST ON RT 1	BAILEYVILLE
DANFORTH WATER DISTRICT	45,38,50	67,52,11	NW COR OF CROOKED BROOK FLOWAGE	DANFORTH
DANFORTH WATER DISTRICT	45,39,15	67,52,46	1 KM W OF DANFORTH OF RT 169	DANFORTH
WASHINGTON, COUNTY OF	44,55,15	67,26,8	COOPER MOUNTAIN	GROVE
JONESPORT, TOWN OF	44,31,40	67,36,58	FIRE MUNICIPAL BLDG MAIN ST	JONESPORT
MAINE, STATE OF	44,59,15	67,28,8	TOP OF COOPER MOUNTAIN	COOPER
MAINE, STATE OF	44,50,59	67,9,30	COBSCOOK BAY STATE PK US RT 1	EDMUNDS TOWNSHIP
MAINE, STATE OF	44,43,18	67,27,53	COUNTY COURT HOUSE	MACHAIS
MAINE, STATE OF	45,10,49	67,17,4	CALAIS MUNICIPAL BLDG COR OF NORTH & UNION STS	CALAIS
MAINE, STATE OF	45,23,21	67,47,48	MUSHQUASH MOUNTAIN	TOPSFIELD
MAINE, STATE OF	44,45,15	67,23,47	MAINE STATE POLICE TROOP J RT 191	EAST MATHIAS
MAINE, STATE OF	44,59,12	67,27,58	COOPER HILL	COOPER
MAINE, STATE OF	44,59,12	67,27,58	COOPER HILL	COOPER
MAINE, STATE OF	45,23,21	67,47,48	MUSHQUASH MOUNTAIN RT 6	TOPSFIELD
WASHINGTON, COUNTY OF	44,59,12	67,27,58	COOPER HILL	COOPER
MAINE, STATE OF	44,59,12	67,27,58	COOPER HILL	COOPER
MAINE, STATE OF	45,23,21	67,47,48	MUSQUASH MTN	TOPSFIELD
WASHINGTON, COUNTY OF	44,43,18	67,27,53	COUNTY COURT HOUSE	MACHIAS
DOWN EAST COMMUNITY HOSPITAL	44,43,36	67,29,45	PUMPKIN RIDGE BANGOR HYDRO ELECTRIC	MACHIAS
MC GOVERNS AMBULANCE SERVICE	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
MC GOVERNS AMBULANCE SERVICE	45,11,15	67,17,11	116 UNION ST	CALAIS
EAST BAY AMBULANCE	45,1,51	67,6,21	GIN COVE RD	PERRY
CALAIS, CITY OF	45,9,44	67,15,5	1.6 KM S ON RIVER RD	CALAIS
PASSAMAQUODDY TRIBAL GOVERNMENT	44,57,32	67,2,25	PLEASANT POINT MUNICIPAL BLDG	PERRY
MAINE, STATE OF	44,59,12	67,28,21	W SIDE OF RT 191 2 MI N	COOPER
CHERRYFIELD, TOWN OF	44,35,52	67,55,47	ST RT 12	CHERRYFIELD
MAINE, STATE OF MAINE, STATE OF	45,23,21	67,47,48	MUSQUASH MTN	TOPSFIELD
ROQUE ISLAND GARDNER HOMESTEAD CORP	44,35,30	67,32,28		
HILLTOP AUTO BODY	44,43,54	67,23,54	1600 SW OF RT 191 ON US RT 1	MACHIAS
GEORGIA PACIFIC CORPORATION	45,9,26	67,24,13	N E SIDE OF MILL ROOF	WOODLAND
BAILEY, JOHN	45,10,52	67,17,3	34 GARFIELD ST	CALAIS
ROQUE ISLAND GARDNER HOMESTEAD CORPORATION	44,35,30	67,32,28	ROQUE ISLAND	JONESPORT
JASPER WYMAN & SON	44,37,36	67,56,18	RT 193	CHERRYFIELD

Land Mobile Private Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
JASPER WYMAN & SON	44,43,27	67,58,46	RT 193	DEBLOIS
DOWN EAST COMMUNITY HOSPITAL	44,43,36	67,29,45	PUMPKIN RIDGE BANGOR HYDRO ELECTRIC CO TOWER	MACHIAS
CALAIS REGIONAL HOSPITAL	45,11,25	67,16,15	50 FRANKLIN ST	CALAIS
COUSINS, ALVAH E	45,2,14	67,21,13	RT 191	MEDDYBEMPS
CARVER OIL CO INC	44,31,30	67,36,58	.1 MI N OF RT 187 JONESPORT CTR	JONESPORT
HOLST, ROGER	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
GRAY, WARREN L	44,44,12	67,23,27	ROUTE 191 N	EAST MACHIAS
DOWLING, GARY	44,44,25	67,23,20	HWY 191	EAST MACHIAS
PCT Communications	45,10,42	67,17,14	170 NORTH ST	CALAIS
CONNORS AQUACULTURE INC	44,54,3	67,0,1	ESTES HEAD	EASTPORT
RICHARDSON, DALE	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
PRINCETON CALAIS TRANSLATORS INC	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
ACTION AGENCY INC	44,59,14	67,28,0	COOPER MOUNTAIN	COOPER
SARGENTS MOBILE HOMES INC	44,59,14	67,28,0	SUMMIT OF COOPER MOUNTAIN	COOPER
HANSCOM CONSTRUCTION	44,59,12	67,27,58	COOPER MOUNTAIN	COOPER
PINE TREE CABLEVISION	44,31,38	67,24,36	OLD RD 1 3/10 MI W	EAST MACHIAS
PINE TREE CABLEVISION	44,54,22	66,59,22	14 HAYES AVE	EASTPORT
FEDERAL MARINE TERMINAL	44,54,27	66,59,2	27 MADISON ST	EASTPORT
J D THOMAS INC	44,59,14	67,28,0	COOPER MOUNTAIN	COOPER
RICHARDSON, DALE	44,59,12	67,27,58	TOP OF COOPER MOUNTAIN	COOPER
PERRY, LEON	44,32,33	67,44,43	1.6 MI ON WESTSIDE RD	ADDISON
LOWE, JAMES	44,54,36	66,59,51	RT 190 .3 MI N WASHINGTON ST	EASTPORT
BANGOR HYDRO ELECTRIC CO	44,59,14	67,28,0	COOPER MOUNTAIN	COOPER
BANGOR HYDRO ELECTRIC CO	44,43,57	67,23,29	OFF RT 1 300 AT BRIDGE TO CUTLER	EAST MACHIAS
FrontierVision Operating Partners, L.P., Debtor-in-Possession	44,59,14	67,28,0	SUMMIT OF COOPER MOUNTAIN	COOPER
WASHINGTON HANCOCK COMMUNITY AGENCY	44,58,13	67,27,35	COOPER MOUNTAIN	COOPER
ALBEE, KEITH F	44,43,0	67,27,58	1/2 MI S OF HADLEY LAKE	EAST MACHIAS
FOSS JR, STANLEY P	44,40,22	68,44,3	TIBBETS TOWN RD	COLUMBIA FALLS
M S A D 77	44,41,30	67,23,23	JCT OF HADLEY LAKE RD RT 191	MACHIAS
M S A D 77	44,40,12	67,15,28	WSIDE	CUTLER
CARVER CONSTRUCTION COMPANY INC	44,29,25	67,36,13	GREAT WASS ISLAND	BEALS
C & C CANOE	45,33,2	67,25,44	.8 KM S OF RT 6 ON SALMON BK RD	VANCEBORO
PASSAMAQUODDY TRIBE	44,57,32	67,2,40		
DEAD RIVER COMPANY	45,22,57	67,48,9	MUSQUASH MOUNTAIN	TOPSFIELD
DEAD RIVER COMPANY	45,9,20	67,16,48	MAGURREWOCK	CALAIS
GEORGIA PACIFIC CORPORATION	45,23,30	67,47,1	MUSQUASH MOUNTAIN	TOPSFIELD
GEORGIA PACIFIC CORPORATION	45,12,18	67,35,22	WEST ST	PRINCETON

Land Mobile Private Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
GEORGIA PACIFIC CORPORATION	45,25,5	67,44,24	FORESTRY SERVICE STA	TOPSFIELD
GEORGIA PACIFIC CORPORATION	45,8,22	67,22,59	E SIDE OF RT 1 1 1/2 MI SE	WOODLAND
PARKEWAY TRANSPORT INC	45,23,21	67,47,48	MUSQUASH MTN 3 MI W	TOPSFIELD
GEORGIA PACIFIC CORPORATION	45,9,26	67,24,13	GP CORP PULP & PAPER MAINT OFC	AD1LEYVILLE
GEORGIA PACIFIC CORPORATION	45,9,24	67,24,5	GP CORP PULP & PAPER 9 BOILER	BAILEYVILLE
GEORGIA PACIFIC CORPORATION	45,9,26	67,24,2	GP CORP PULP & PAPAER 3 BOILER	BAILEYVILLE
GEORGIA PACIFIC CORPORATION	45,9,25	67,24,6	GP CORP PULP & PAPER DIGESTER	BAILEYVILLE
GEORGIA PACIFIC CORPORATION	45,9,25	67,24,7	GP CORP PULP & PAPER BLEACH PLANT	BAILEYVILLE
DAVIS, DAVID	44,59,14	67,28,0	COOPER HILL .5 MI W OF RT 191	GROVE
DAVIS, DAVID	45,3,0	67,31,53	1 MI OFF RT 9 ON ARM RD	CRAWFORD
PCT Communications	44,59,14	67,28,0	SUMMIT OF COOPER MOUNTAIN	COOPER
SHAY, PETER	45,23,21	67,47,48	MUSQUASH MOUNTAIN 3.8 MI WSW	TOPSFIELD
GEORGIA PACIFIC CORPORATION	45,9,25	67,24,18	GP CORP PULP & PAPER SECURITY	BAILEYVILLE
GEORGIA PACIFIC CORPORATION	45,9,30	67,24,22	GP CORP PULP & PAPER CHIP CONTROL	BAILEYVILLE
HARRY KINNEY INC	45,23,21	67,47,48	MUSQUASH MOUNTAIN 3.8 MI WSW	TOPSFIELD
HARRY KINNEY INC	45,39,32	67,51,48	RT 1 .2 MI S	DANFORTH
FOSS & SON INC	45,23,21	67,47,48	MUSQUACH MTN 3MI W	TOPSFIELD
BARTLETT, COLIN J	45,23,21	67,47,48	MUSQUACH MOUNTAIN 3 MI W	TOPSFIELD
H J CLARK & SONS INC	45,9,38	67,16,56	2 MI W OF JCT US RT 1 & CHARLOTTE RD	CHARLOTTE
H J CLARK & SONS INC	45,23,21	67,47,48	MUSQUASH MOUNTAIN	TOPSFIELD
EASTERN MAINE ELECTRIC COOPERATIVE INC	45,9,31	67,16,53	1 KM OFF BARING ST ON ICE	CALAIS
EASTERN MAINE ELECTRIC COOPERATIVE INC	45,23,30	67,47,1	3 KM OFF RT 6 ON MUSQUASH MOUNTAIN	TOPSFIELD
EASTERN MAINE ELECTRIC COOPERATIVE INC	45,11,23	67,16,41	9 UNION ST	CALAIS
CHERRYFIELD FOODS INC	44,43,21	67,40,2	CENTERVILLE RD	CENTERVILLE
H C HAYNES INC	45,23,21	67,47,48	MUSQUASH MOUNTAIN	TOPSFIELD
GEORGIA PACIFIC CORPORATION	45,10,33	67,24,35	END OF MAIN ST	WOODLAND
WILLARD S HANINGTON & SON INC	45,23,21	67,47,48	MUSQUASH MOUNTAIN	TOPSFIELD
HANINGTON BROTHERS INC	45,23,21	67,47,48	MUSQUASH MOUNTAIN	TOPSFIELD
ATLANTIC COMMUNICATIONS, INC.	44,43,21	67,40,2	MITTEN MTN	CHERRYFIELD
ATLANTIC COMMUNICATIONS, INC.	44,59,14	67,28,0	COOPER MTN	COOPER
GEORGIA PACIFIC CORP	45,9,28	67,24,20		
BAILEYVILLE UTILITY DISTRICT	45,8,19	67,23,18	1 KM W OF RT 1 ON BAILEY HILL	BAILEYVILLE
BAILEYVILLE UTILITY DISTRICT	45,8,19	67,23,18		
HOME DEPOT	44,59,14	67,28,0	COOPER MTN	COOPER
ATLANTIC COMMUNICATIONS, INC.	44,43,21	67,40,2	MITTEN MOUNTAIN	CHERRYFIELD
IRVING OIL #IO83	44,54,22	66,59,23		

Land Mobile Private Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
PRINCETON CALAIS TRANSLATORS INC DBA PCT COMMUNICATIONS	44,54,13	66,59,1	5 SEA ST	EASTPORT
PALOMINO, CARLOS	44,51,14	68,24,32		
INDECK MAINE ENERGY LLC	44,40,29	67,32,57	RT 1A	JONESBORO
CHERRYFIELD FOODS INC	44,37,30	67,54,58		
BROWNS COMMUNICATIONS INC	44,51,54	68,6,34	2.5 MI WNW OF INT RT 9 & RT 193	BEDDINGTON
PRINCETON CALAIS TRANSLATORS INC	45,9,20	67,16,48	MAGURREWOCK MTN	CALAIS
PRINCETON CALAIS TRANSLATORS INC	45,22,57	67,48,9	MUSQUASH MTN	TOPSFIELD
PRINCETON CALAIS TRANSLATORS INC	44,59,12	67,27,58	COOPER MTN	COOPER
AROOSTOOK COMMUNICATIONS INC	45,25,47	67,43,41		
CARROLL F LOOK CONSTRUCTION CO INC	44,39,5	67,33,11	US RT 1	JONESBORO
G & E GODING & SONS INC	45,8,19	67,22,59	1 1/2 MI ON US RT 1	WOODLAND
G & E GODING & SONS INC	44,43,40	67,25,13	RT 1 5 MI E	MACHIAS
R H FOSTER INC	44,59,14	67,28,0	COOPER HILL	COOPER
LANE CONSTRUCTION CORPORATION	45,7,43	67,17,3	CHARLOTTE RD	CALAIS
THOMAS DICENZO INC	45,9,20	67,16,43	MAGURREWOCK MTN	MILLTOWN
COUNTY CONCRETE & CONSTRUCTION CO INC	44,40,10	67,43,4	CEMENT PLANT ON CENTERVILLE RD	COLUMBIA
HAMMOND, BOB	44,37,13	67,48,47	RT 1	HARRINGTON
TAMMARO, VINCENT	45,9,18	67,24,55	43 MAIN ST	WOODLAND
LIFELIGHT OF MAINE LLC	44,59,12	67,27,58	TOP OF COOPER MOUNTAIN	COOPER
BLUE BIRD RANCH INC	44,38,24	67,36,49	RT 1	JONESBORO
Verizon New England Inc.	44,59,7	67,27,58	2 MI NW	COOPER
LUBEC WATER & ELECTRIC DISTRICT	44,51,35	66,59,7	SCHOOL ST	LUBEC
PASSAMAQUODDY WATER DISTRICT	44,54,30	66,59,27	RT 190 APPROX 1 1/2 MI FROM CTR	EASTPORT
BANGOR HYDRO ELECTRIC CO	44,59,14	67,28,0	COOPER MOUNTAIN	COOPER
BANGOR HYDRO ELECTRIC CO	44,43,57	67,23,29	OFF RT 1 300 AT BRIDGE TO CUTLER	MATHIAS
BANGOR HYDRO ELECTRIC CO	44,43,36	67,29,45	PUMPKIN RIDGE	MACHIAS
BANGOR HYDRO ELECTRIC CO	44,43,36	67,29,45	PUMPKIN RIDGE	MACHIAS
JASPER WYMAN & SON	44,37,17	67,56,2	ON RT 193 2 MI N OF	CHERRYFIELD
JASPER WYMAN AND SON	44,44,5	67,59,53	ON RT 193 5 MI SE OF RT 9	DEBLOIS
SPRINGFIELD TERMINAL RAILWAY CORP	45,9,6	67,24,23	S T YARD OFC 30 MILLS ST	WOODLAND
CANADIAN PACIFIC LIMITED	45,34,20	67,43,36	JCT RD & CP RAIL TRACK	FOREST
EASTERN MAINE RAILWAY	45,34,20	67,43,36	FOREST CITY RD	FOREST
ATLANTIC SALMON OF MAINE	44,38,22	67,23,11	RT 92	MACHIASPORT
HOLST, ROGER	44,59,12	67,27,58	COOPER MTN	COOPER
HOLST, ROGER	45,23,21	67,47,48	MOSQUASH MTN SUMMIT	TOPSFIELD
GEORGIA PACIFIC CORP	45,9,27	67,24,2	GEORGIA PACIFIC CORP PULP & PAPER	BAILEYVILLE
BANGOR HYDRO ELECTRIC COMPANY	44,43,0	67,27,29		MACHIAS

Land Mobile Private Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
INDIAN TOWNSHIP TRIBAL GOVERNMENT	45,23,21	67,47,50	MUSQUASH MOUNTAIN	TOPSFIELD
INDIAN TOWNSHIP TRIBAL GOVERNMENT	45,15,6	67,36,13	MUNICIPAL BUILDING ROUTE 1 IND	PRINCETON
MAINE, STATE OF MAINE, STATE OF	45,23,21	67,47,50	MUSQUASH MTN	TOPSFIELD
GEORGIA PACIFIC	45,9,26	67,24,10	144 MAIN STREET	BAILEYVILLE
CALAIS REGIONAL HOSPITAL	45,10,46	67,16,8	50 FRANKLIN ST	CALAIS
Jasper Wyman & Son, C & D Corporation	44,43,24	67,58,46		Deblois
STATE OF MAINE, DEPARTMENT OF TRANSPORTATION	45,8,50	67,23,42	ROUTE 1	WOODVILLE
AT & T WIRELESS	44,57,55	67,38,54	RT 9	WESLEY
Atlantic Communications	44,59,14	67,28,2	Cooper Mountain	Cooper

Microwave

Microwaves are very short waves in the upper range of the radio spectrum used mostly for point-to-point communications systems. Much of the technology was derived from radar developed during World War II. Initially, these systems carried multiplexed speech signals over common carrier and military communications networks; but today they can handle all types of information, e.g., voice, data, facsimiles, and video, in either an analog or digital format. Over the years, these systems have matured to the point that they have become major components of the nation's public switched telephone network. Private organizations use them to satisfy internal communications requirements and to monitor their primary infrastructure. As the nation's cellular and personal communications systems grow, point-to-point microwave facilities, serving as backhaul and backbone links, enable these wireless systems to serve the country less populated areas on an economical basis. Today's technology enables private users to employ microwave frequencies to operate and control equipment at remote sites, such as switches and valves associated with the operation of oil and gas pipelines, to gather data related to services, control traffic signals and to obtain toll data from moving vehicles, as well as other monitoring functions.

Early technology limited the operations of these systems to radio spectrum in the 1 GHz range; but due to improvements in solid state technology, commercial systems are transmitting in the 40 GHz region. In recognition of these changes, the FCC recently adopted rules allowing the use of spectrum above 40 GHz. This spectrum offers a variety of possibilities, such as use in, among other things, short-range, high capacity wireless systems that support educational and medical applications, wireless access to libraries or other information databases.

For years the Commission regulated point-to-point microwave services essentially under two distinct parts of its rules: Part 21 governed common carrier users and Part 94 served the same purpose for private operators. Since these services have much in common, e.g., they share many frequency bands, use the same type of equipment, and now a single Commission office process the applications, the rules have been consolidated into a new [Part 101](#). These consolidated rules reduce applicants and licensees filing burdens and

provide them greater flexibility in meeting their operational requirements. For example, certain reporting requirements for common carriers have been eliminated, and all carriers may take advantage of the Commission's new preauthorization construction and conditional licensing procedures. The new conditional licensing procedures permit carriers to commence operation immediately upon the filing of appropriate applications, provided certain conditions are met. In addition, the elimination of the ban on using common carrier transmitters for non-common carrier purposes will allow licensees to use equipment more efficiently and to reduce construction and operational costs.

Microwave Infrastructure in Washington County

LICENSEE	Latitude	Longitude	Location	Town
WQDY, INC.	45,11,7.2	67,16,9.9	281 MAIN ST	CALAIS
WQDY, INC.	45,11,7.2	67,16,9.9	281 MAIN STREET	CALAIS
MAINE RSA #4, INC.	44,41,37.2	67,24,27.9	3 MI BEARING 25 DEG FROM MACHIAS	MACHIAS
UNIVERSITY OF MAINE SYSTEM	44,42,46.2	67,27,18.9	UNIVERSITY OF MAINE CAMPUS TORREY HALL	MACHIAS
MAINE PUBLIC BROADCASTING CORPORATION	45,1,44.2	67,19,21.9	WMED TV CONANT HILL ROUTE 219	MEDDYBEMPS
MAINE, STATE OF	44,59,12.2	67,27,57.9	COOPER HILL	COOPER
MAINE RSA #4, INC.	44,34,16.2	67,51,56	2.5 MI NE OF	MILBRIDGE
MAINE RSA #4, INC.	44,57,56.2	67,38,56.9	1.2 MI NE OF	WESLEY
MAINE RSA #4, INC.	44,57,1.2	67,15,11.9	4 MI NW OF BEHIND WASHINGTON COUNTY	DENNYVILLE
MAINE RSA #4, INC.	45,9,48.2	67,15,2.9	TECHNICAL COLLEGE	CALAIS
MAINE RSA #4, INC.	45,23,18.2	67,47,52	3.7 MI BEARING 235 FROM	TOPSFIELD
BANGOR HYDRO ELECTRIC COMPANY	44,43,36.2	67,29,44.9	VARIOUS LOCATIONS	MACHIAS
MAINE, STATE OF CITADEL BROADCASTING COMPANY	45,23,21.2	67,47,48	MUSQUASH MTN	TOPSFIELD
	45,11,6.2	67,16,46.9	115 MAIN ST	CALAIS

Multi-Point Distribution Service (MDS)/Instructional Television Fixed Service (ITFS)

Multipoint Distribution Service (MDS)/Multichannel Multipoint Distribution Service (MMDS) is a commercial service that has generally been used for the transmission of data and video programming to subscribers. Instructional Television Fixed Service (ITFS) is an educational service. Its licensees make extensive use of the spectrum to provide formal classroom instruction, distance learning, and videoconference capability to a wide variety of users. Parts 74 and 21 of the Commission's Rules regulate ITFS and MDS, respectively.

Paging

Commercial paging is a Commercial Mobile Radio Service (CMRS) and is thus, 1) provided for profit, 2) interconnected to the public switched network, and 3) available to the public.

Traditional commercial paging service consists of one-way data communications sent to a mobile device that alerts the user when it arrives. The communication could consist of a phone number for the user to call, a short message, or an information update. Other

licensees in addition to paging carriers offer paging services. For instance, most digital mobile telephone handsets include a paging component or Caller ID feature that allows users to view the phone number of someone who has called them.

Paging Infrastructure in Washington County				
LICENSEE	Latitude	Longitude	Location	Town
NEP, LLC	44,59,14	67,27,59	COOPER HILL; SR191, 2.5 MILES N OF	COOPER
COM NAV, INC. DBA: RADIO TELEPHONE OF MAINE	44,34,19	68,8,51	ATOP SCHOODIC MOUNTAIN	THR9 TOWNSHIP
COM NAV, INC. DBA: RADIO TELEPHONE OF MAINE	44,59,14	67,27,59	2.5 MILES NORTH ON ROUTE 191	COOPER
COM NAV, INC. DBA: RADIO TELEPHONE OF MAINE	44,49,8	67,30,8	MAINE RT. 192 & U.S. RT 1A, APPR. 2.45 MI NW OF	MACHIAS

TV – Digital

TV – NTSC (analog)

Lower 700 MHz Service

In 2002, the FCC reallocated the 698-746 MHz spectrum band (Lower 700 MHz Band) that had been allocated to television Channels 52-59. The recovery of the Lower 700 MHz Band will be made possible by the conversion of television broadcasting from the existing analog transmission system to a digital transmission system. Because the digital television (DTV) transmission system is more spectrally efficient than the analog system, less spectrum will be needed for broadcast television service after the transition to DTV on channels 2 - 51 is complete.