

MARKET AREA

Item D10 This item must be answered only if the filing is for an authorization in one of the radio services that is licensed on a geographic licensing area or "market" basis. It identifies the market to which the filing pertains. The market designators are listed in FCC Public Notices or in the FCC Record. This item should not be answered for filings in radio services licensed on a station by station basis.

PAGING OPERATIONS

Item D11 List the number of paging receivers in this system.

ELIGIBILITY

Item D12 Provide a statement that clearly indicates your qualifications for the chosen service. This statement should include:

- (1) A general description of your business or activity.
- (2) A description of how radio will be employed in the activity.
- (3) Any other information which you believe will aid in a determination of your eligibility for the service requested.

Note: Failure to provide clear and complete details justifying eligibility will result in return or dismissal of your application. Do not use terms such as "No Change" or "On File".

Item D13 Enter the number and paragraph of the FCC Rule Section which describes the eligibility for the particular radio service you specified in Item 26 on page 1 of FCC Form 600 Main Form.

FREQUENCY COORDINATION NUMBER

Item D14 This item will be completed by the appropriate certified frequency coordinators for those applicants who are required to comply with the frequency coordination requirements.

SPECIFIC INSTRUCTIONS FOR SCHEDULE E

Station Location Data

The Form 600 Schedule E has been designed to accommodate six (6) permanent locations. LOC letters A through F are to designate the separate locations. No more than six (6) different permanent locations may be licensed under one call sign. LOC letters A through F for items E2-E8 correspond to LOC letters A through F on Schedules F, G and H. Enter the Licensee Name, Radio Service and Call Sign or Station Location city and state.

Item E1 The latitude and longitude for locations in the United States and the Caribbean Islands must be referenced to either the North American Datum of 1927 (NAD 27) or 1983 (NAD 83). Enter "2" for NAD 27 or "8" for NAD 83. For locations in other areas, enter "O" for Other and specify the datum used. Topographical maps will indicate which datum is used. All coordinates shown on this filing must be calculated using the same datum.

FIXED OR PERMANENT LOCATIONS

Item E2 Enter the street address or specific geographic description for the transmitter antenna location for each station listed for LOC letters (A) through (F). (P.O. Box or geographic coordinates are not acceptable.)

Item E3 Enter the name of the city or town in which the transmitter antenna is located for LOC letters (A) through (F). For rural or unincorporated areas, enter the nearest city or town to the transmitter antenna location.

Item E4 Enter the name of the county in which the transmitter antenna is located for each station listed for LOC letters (A) through (F).

Item E5 Enter the two letter abbreviation for the state in which the transmitter antenna is located for LOC letters (A) through (F). The abbreviations for each state are provided in Table 1 on the reverse of Form 600 Schedule E.

Item E6 Enter the geographic coordinates of latitude in degrees, minutes, and seconds to the nearest second for LOC letters (A) through (F). "N" for north will be assumed. Enter "S" for south.

Item E7 Enter the geographic coordinates of longitude in degrees, minutes, and seconds to the nearest second for LOC letters (A) through (F). "W" for west will be assumed. Enter "E" for east.

Item E8 Enter to the nearest meter the elevation above mean sea level of the ground at the antenna location for LOC letters (A) through (F). This information can be determined using a 7.5 minute topographical

quadrangle map of the area or you may consult the city or county surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, D.C. 20242 or from its office in Denver, Colorado 80225. See antenna figure examples on Schedule F (c = ground elevation above mean sea level).

CONTROLS MEETING THE 20 FOOT CRITERIA, MOBILE OR TEMPORARY LOCATIONS

Item E9 - E12 These items are for mobile units, stations operating at temporary locations, itinerant stations and control stations meeting the 20 foot criteria. Location letters G through Z should correspond with location letters G - Z on Schedule G. For example, H 30 kilometer radius of Station A, I 30 kilometer radius of Station B.

For control stations meeting the 20 foot criteria, enter the location letter associated with the control station(s) frequency(s) on Schedule G and the primary control state in item E11.

For mobile, temporary and itinerant operations, enter the location letter associated with the mobile, temporary or itinerant frequency(s) on Schedule G.

AREA OF OPERATION CODES TO BE USED IN COMPLETING ITEM E10:

- A - F = Centered around permanent station A - F
- P = Centered around the operating area other than A - F
- S = Statewide operations within a single state
- N = The 48 contiguous states
- O = Includes Hawaii, Alaska, territories or possessions

If the area of operation is centered around permanent stations (A - F), enter the location letter, complete Item E9 with the radius in kilometers of the normal area of operation and E10 with the appropriate permanent station location letter A - F. For example, H 45 kilometer radius of station A.

In the event a specific mile radius of station A is an inadequate description for your system, the application is for mobile only, stations operating at temporary locations or for itinerant stations, enter the location letter, in item E9 enter a radius in kilometers, in item E10 enter "P", in item E11 enter the geographical coordinates (latitude and longitude in degrees, minutes and seconds), the county and state of the center of the operating area. For example, H 50 kilometer radius of 42-29-47, 87-41-16, Cook county, IL.

For statewide operations within a single state, enter the location letter. In item E10 enter "S" and in item E11 enter the abbreviation for the state (See Table 1 on the reverse of Form 600 Schedule E). If the state you are operating in is Alaska, enter "W" in item E12 if your operations are west of Line C. If your operations are east of Line C, enter "E" in item E12 (Line C = 144 degrees Longitude).

If your area covers the 48 contiguous states, enter the location letter. In item E10 enter "N" and in item E11 enter "US" for the state. Complete item E12 with "S" if your operations will be South of Line A.

If operations will be North of Line A, complete item E12 with "N". See Appendix I to these instructions for a list of counties by state, having areas north of Line A.

If your area includes, in addition to the 48 contiguous states, Hawaii, Alaska, territories or possessions, enter a separate line for each additional state, territory or possession by including its respective two letter state code. Enter the location letter, in item E10 enter "O", and in item E11 enter the singular two letter state code. If operating in Alaska west of Line C, enter "W" in item E12. If operating in Alaska east of Line C, enter "E" in item E12 (Line C = 144 degrees Longitude).

SPECIFIC INSTRUCTIONS FOR SCHEDULE F

Antenna Structure Data

Schedule F must be completed and filed when permanent location data is submitted on Schedules B, C or E, except if Form 854 is required. Enter the Licensee Name, Radio Service and Call Sign or Station Location city and state.

If you completed Schedule E, LOC letters A-F for items F1 - F13 correspond to LOC letters A through F on Schedule E.

Item F1 If you completed Schedule B or C, Location Number is used as the key to associate with item B10 on Schedule B and item C10 on Schedule C. Enter a Location Number.

Item F2 If your antenna will be mounted on a structure with an existing antenna, enter "E". If you propose to construct a new structure or use one which contains no existing licenses, enter "N". The term "existing antenna" applies to any structure with an antenna which is presently utilized by existing licensees.

Item F3 If item F2 is "E", enter the call sign of one existing licensee using the structure.

Item F4 If item F3 is completed, enter the radio service for that call sign.

Item F5 Enter the full legal name of the owner of the antenna structure. If the owner is:

1. an individual doing business in his/her own name, enter last name, first name, middle initial.
2. an individual doing business under a firm or company name (sole proprietorship), enter both the individual's name and the firm or company name. "Doing business as" may be abbreviated as "dba".
3. a partnership doing business under a firm or company name, enter the full name of the partnership.
4. an unincorporated association, enter the name of the association.
5. a corporation or governmental entity, enter the full legal name of the entity.

Enter the area code and telephone number.

Item F6 See antenna figure examples 1 - 3 on the reverse of Form 600 Schedule F. Indicate the number of the figure which most resembles your antenna structure.

Item F7 Enter the type of supporting structure on which the antenna is or will be mounted (i.e. building, tower, tank, silo, building/tower, etc).

Item F8 Enter the height above ground in meters, to the highest point of the supporting structure only. For instance, if the antenna structure consists of a building/tower combination, include any elevator shaft, flag pole, or penthouse in the support structure height, but not the antenna, tower, pole or mast. If the antenna structure is a tower only, include the height of the tower but not the antenna. Refer to letter "b" in the antenna figure examples on the reverse of Form 600 Schedule F.

Item F9 Enter the overall height above ground in meters, of the entire antenna structure to the highest point, including any appurtenances. You must include antennas, dishes, obstruction lighting. Refer to letter "d" in the antenna figure examples on the reverse of Form 600 Schedule F.

Item F10 Enter the FCC assigned tower number if the tower is existing and the number is known.

Item F11 If a Notice of Construction or Alteration has been filed with the FAA, enter "Y". If a Notice of Construction or Alteration has not been filed, enter "N". You must notify the Federal Aviation Administration on FAA Form 7460-1 (obtainable from any FAA office), with certain limited exceptions as set forth in Part 17 of the FCC Rules and Part 77 of the FAA Rules, of any of the following construction or alterations of an antenna structure:

(1) Construction of any new antenna structure or alteration of any existing antenna structure, which would result in the top of the antenna or the antenna structure exceeding a height of 60.96 m (200 feet) above ground level at the antenna site.

(2) Construction of any new antenna structure or alteration of any existing structure, which would result in the top of the antenna or the antenna structure exceeding the height of an imaginary surface extending outward and upward at one of the following slopes:

(a) 100 to 1 for a horizontal distance of 6.10 kilometers (20,000 feet) from the nearest point of the nearest runway of each airport as specified in paragraph 3 (on the next page) with its longest runway no more than 0.98 kilometers (3,200 feet) in actual length, excluding heliport and seaplane bases without specified boundaries.

(b) 50 to 1 for a horizontal distance of 3.05 kilometers (10,000 feet) from the nearest point of the nearest runway of each airport specified in paragraph 3 (on the next page) with its longest runway no more than 0.98 kilometers (3,200 feet) in actual length, excluding heliport and seaplane bases without specified boundaries.

(c) 25 to 1 for a horizontal distance of 1.52 kilometers (5,000 feet) from the nearest point of the nearest landing and takeoff area of each heliport specified in paragraph 3 (on the next page)

(3) Any construction of an antenna structure (or any alteration of an antenna structure that would increase its height) on any of the following airports (including heliports):

(a) An airport that is available for public use and is listed in the Airport Directory of the current Airman's Information Manual or in either the Alaska or Pacific Airman's Guide and Chart Supplement.

(b) An airport under construction, that is the subject of a notice or proposal on file with the Federal Aviation Administration, and except for military airports, it is clearly indicated that the airport will be available for public use.

(c) An airport that is operated by an armed force of the United States.

(4) When requested by the FAA, any construction or alteration that would be in an instrument approach area (defined in the FAA standards governing instrument approach procedures) and available information indicates it might exceed an obstruction standard of the FAA.

If you intend to install towers of unusual height or at locations in close proximity to aircraft landing areas, it will be to your advantage to discuss the location and height of the antenna in detail with the appropriate FAA area office before filing your application.

Item F12 If item F11 was answered "Y" (yes), enter the date filing was made with the FAA.

Item F13 If item F11 was answered "Y" (yes), enter the name of the regional FAA office where the filing was made.

Item F14 If item F11 was answered "Y" (yes), enter the FAA assigned Aeronautical Study Number if known.

SPECIFIC INSTRUCTIONS FOR SCHEDULE G

Technical Data

Enter the Licensee Name, Radio Service and Call Sign or Station Location city and state.

LOC letters for items G1 through G8 correspond to LOC letters on Schedules E, F and H. Enter the LOC letter if other than letter A.

Item G1 Enter the specific frequency(ies) in megahertz. The requested frequency(ies) must be available in the Commission's rules governing the radio service in which you are seeking eligibility. Use a separate line for each frequency, except that 800 MHz SMRS mobile(s) and control(s) are now designated by frequency range "806-821" and 900 MHz SMRS mobile(s) and control(s) are now designated by frequency range "896-901". Use a different letter (A-F) for each permanent location and refer to item G2 of these instructions for different classes of stations. When multiple frequencies are used at one station location, the LOC letter of the previous frequency must be entered.

Item G2 Enter the appropriate class of station code from the following table. Definitions for most of these items are listed in the Commission's rules.

STATION CLASS CODE TABLE

<u>Class of Station</u>	<u>Code</u>
Base	FB
Mobile Relay	FB2
Community Repeater	FB4
Private Carrier (Profit)	FB6
Private Carrier (Non-Profit)	FB7
Control	*FX1
Mobile	MO
Mobile/Vehicular Repeater	MO3
Private Carrier Mobile Operation (Profit)	MO6
Private Carrier Mobile Operation (Non-Profit)	MO7
Operational Fixed	FX0
Fixed Relay	FX2
Fixed	**FX
Radiolocation Land	LR
Radiolocation Weather Radar	WDX
Radiolocation Mobile	MR
Secondary Fixed Signalling	FX3
(for 800 MHz only)	

*Station associated with a mobile relay that employs the same frequency as the associated mobile station for control purposes.

**Station operating on frequencies available for fixed use for control purposes in accordance with applicable rules.

NOTE: Where appropriate follow each code with "T" for Temporary, "I" for Itinerant, "S" for Standby, "C" for Interconnect, "J" for Temporary Interconnect, "K" for Standby Interconnect, and "L" for Itinerant Interconnect, (e.g., FBT meaning Temporary Base).

Item G3 Enter the number of actual transmitting units at each location. Normally, for a station at a permanent/fixed location (base, mobile relay, etc.) only one transmitter is involved; therefore, the number "1" should be entered on lines (A) through (F). However, if more than one transmitter is placed at the same location, so indicate. The total number of mobile units is normally the sum of the units to be placed in operation at the time of grant plus the units for which purchase orders have already been signed and will be in use within eight (8) months. There are some exceptions provided for in the rules which should be noted.

For this item vehicular, portable, aircraft, and marine units are considered to be mobiles. Paging receivers should not be counted as mobile units, but must be listed separately in Schedule D, Item D11.

Item G4 Enter the bandwidth and class of emission for each station. Normally, land mobile operations are intended to provide voice communications. The new ITU (International Telecommunications Union) emission designators must be used in place of the old designators. The following provides samples of the corresponding new ITU designators for the most commonly used emission designators.

EMISSION DESIGNATORS

	<u>Old</u>	<u>New</u>
Frequency modulated (FM) voice	20F3	20K0F3E
Frequency modulated (FM) voice	13.6F3	13K6F3E
Frequency modulated digitized voice	20F3Y	20K0F1E
Frequency modulated digitized non-voice	20F9Y	20K0F1D
Amplitude modulated single sideband voice	3A3J	3K00J3E
Amplitude modulated (AM) voice	8A3	8K00A3E

Item G5 When operating with single side band (A3J or new designator J3E) emission enter the peak envelope power, in Watts, followed by the letter "X" which represents peak envelope power in accordance with Appendix 1, ITU Radio Regulations. For operations using A0, A1, A2, A3, A9, F0, F1, F2, F3 and F9 emissions, or the following new emission designators NON, A1A, A2D, A3E, A9W, F1B, F2D, F3E, and F9W, enter the mean RF output power, in Watts, normally supplied by the transmitter to the antenna feedline. (See applicable rules.)

NOTE: The power entered should be the minimum required for satisfactory operations.

Item G6 This information is required, for operations above 10 MHz, from applicants requesting new station authorizations, and for major modifications described in the applicable rules.

Enter the effective radiated power (ERP). The ERP is the transmitter output power times the net gain of the antenna system. The net gain of the antenna system is the gain of the antenna minus the transmission losses which include losses attributable to the transmission line, duplexers, cavity filters and isolators. The actual formula is: ERP (watts) equals Power (watts) times Antilog (net gain in dB divided by 10).

Item G7 For operations in 220-222 MHz and above 470 MHz, enter the height of the antenna above ground elevation for the average terrain. See the applicable rules for instructions for computing the height above average terrain for the antenna. All other applicants may omit this item.

Item G8 Enter the overall height above ground to the nearest meter of the highest part of your antenna (antenna structure plus the height of the antenna, if top mounted; the total height to the tip of the antenna, if side-mounted). See antenna figures on Schedule F. (a = antenna height to tip)

SPECIFIC INSTRUCTIONS FOR SCHEDULE H Additional Antenna Data

General. All Remote Pick Up Broadcast Auxiliary Radio Service fixed location stations and all stations proposing to operate on frequencies below 27.5 MHz must complete Form 600 Schedule H. Failure to do so will result in the return of your application without further action. Land Mobile stations located near international borders that seek protection from interference should also complete Form 600 Schedule H. Form 600 Schedule H may be completed for all other stations if you believe the assumptions made by the FCC would leave your station insufficiently protected internationally. The assumptions are listed under International Registration for other than Parts 22 and 24 Applicants. If you do not provide the actual data and an interference problem arises involving another country's station, your station will be protected only to the limit of the FCC's assumptions. You may have to adjust. This is especially important for stations proposed to be operated in any of the state-counties listed in Appendix I to these instructions.

Instructions for Completion of Individual Items

Enter the Licensee Name, Radio Service and Call Sign or Station Location city and state.

LOC letters for items H1 - H5 correspond to LOC letters on Schedules E, F and G. Enter the station LOC letter code.

Item H1 Enter the transmitter frequency in megahertz corresponding to the LOC letter codes (A,B,C,etc.) which uniquely define the station location identified on Schedule E. When multiple frequencies are used at one station location, the station location letter code of the previous frequency must be entered.

Item H2 Enter the angle in the horizontal plane of the transmitting antenna main lobe measured clock-wise with respect to True North in degrees, or enter 360 to indicate the transmitting antenna is non-directional

Item H3 For directional antennas, enter the total angle in degrees measured horizontally in a plane containing the direction of maximum radiation within which the power radiated in any direction does not fall more than 3 dB below the power radiated in the direction of maximum radiation. This information should be available from the specification sheet included with the antenna at time of purchase.

Item H4 Enter one of the code letters below representing the polarization of the transmitting antenna for those circuits above 27.5 MHz:

- E - Elliptical
- F - 45 Degrees
- H - Horizontal
- J - Linear
- L - Left hand circular
- R - Right hand circular
- S - Horizontal and Vertical
- T - Right and Left hand circular
- V - Vertical
- X - Other (Provide a description)

Item H5 Enter the ratio, in decibels, of the power required at the input of loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power flux-density at the same distance. This information should be available from the specification sheet included with the antenna at the time of purchase.

INTERNATIONAL REGISTRATION (other than Part 22 and Part 24)

NOTICE: As a signatory party to international treaty agreements, the FCC performs certain actions regarding the use of radio. The technical details of your station parameters may be reported to the International Telecommunication Union, Geneva, Switzerland and to countries which border on or are in close proximity to the United States. This information along with data reported by other nations will be used to

protect reported stations and aid in resolution of interference disputes between licensees in different countries.

Certain stations, because of their geographic location, would be best protected by provision of additional information. Specifically, this includes any proposed station which is located in the region north of Line "A" as defined in Section 1.955 of FCC rules, or in the State of

Alaska east of Line "C". If the desired station is to operate in the 806-821/851-866, 821-824/866-869, 896-901/935-940 MHz bands, please consult the applicable rules for available frequencies and use near the United States/Canada/Mexico border.

Note: For control stations meeting the 20 foot criteria that require greater than 5 watts output power/ERP for operations in regions north of Line "A" or in Alaska east of Line "C", complete Schedule E items E1-E8 and Schedule G items G1-G6 and G8 as LOC letter A-F.

For your convenience and ease of determination, a list of all States and counties within those States above line "A", for which applicants may wish to submit additional information, has been included as Appendix I to these instructions. In addition, Schedule H has been developed for supplying this information. Because the operational characteristics for the majority of Land Mobile stations are quite similar, submission of all of the data requested by the ITU or other nations imposes a somewhat heavier burden on applicants than would seem necessary. NOTE: However, the form in which certain information is provided, can significantly benefit an applicant. In particular, mobile or temporary stations whose area of operation is defined in terms of a kilometer radius of specified geographical coordinates will provide for more accurate protection of these stations than defining their area of operation by some other means (See Items E9-E11 on the Form 600 Schedule E) and will expedite the coordination process where it is necessary.

Unless advised to the contrary, the FCC will make certain assumptions which reflect the typical station in these services. Carefully review the list below with respect to your particular situation. If you believe that these assumptions would leave your station insufficiently protected, provide the correct data on Form 600 Schedule H and attach it with your application. If you do not provide the actual data and an interference problem arises involving another country's station, your station will be protected only to the limit of the FCC's assumptions.

The following station parameters will be assumed unless otherwise stated:

1. **Antenna Polarization.** All stations will be reported as having antennas with vertical polarization.
2. **Antenna Gain.** The antenna gain for all stations will be assumed to be 6 dB.
3. **Antenna Azimuth of Main Lobe.** We will report each base or mobile relay station as having an omnidirectional (360 degrees) azimuth. We will assume that each control station associated with a mobile relay station has a directional antenna with its azimuth of maximum radiation directed toward the mobile relay station.
4. **Beamwidth.** Where an omnidirectional antenna is assumed, beamwidth has no relevance, and therefore, no assumed value will be used. For control stations we will assume 20 degrees.
5. **Class of Operation for HF Fixed Stations.** All HF Fixed applicants must file Form 600 Schedule H. Therefore no assumption will be made.
6. **Receiver Information.** All stations specified on the same application form are assumed to be communicating with each other as a system. Receivers will be assumed to operate at the same location as the transmitter. In other words, we will assume that the receiver site for a mobile station transmission is the location of the associated base station. The receiver site for a base station transmission will be assumed to be the area of operation of the associated mobile stations. For a control station transmission, the location of the associated mobile relay station is the location of the receiver.
7. **Control stations meeting the 20 foot criteria that are operating in the region north of Line "A" or in Alaska east of Line "C" will not be coordinated with Canada unless Schedule E items E1 - E8 and Schedule G items G1 - G6 and G8 are completed as LOC letter A - F. The ERP will be limited to 5 watts if the fixed location is not provided for controls meeting the 20 foot criteria operating in these areas.**

Appendix I

List of Counties, by State, having areas North of Line A:

IDAHO

Bonner
Boundary
Shoshone

INDIANA

Allen
De Kalb
Steuben

MAINE

Aroostook
Franklin
Hancock
Kennebec
Oxford
Penobscot
Piscataquis
Somerset
Waldo
Washington

MICHIGAN

Alcona
Alger
Alpena
Antrim
Arenac
Baraga
Bay
Branch
Calhoun
Charlevoix
Cheboygan
Chippewa
Claire
Clinton
Crawford
Delta
Dickinson
Eaton
Emmett
Genesee
Gladwin
Gogebic
Griatiot
Hillsdale
Houghton
Huron
Ingham
Ionia
Iosco
Iron
Isabella
Jackson
Kalkaska
Keweenaw
Lapeer
Leelanau
Lenawee
Livingston
Luce
Mackinac
Macomb
Marquette
Menominee

Midland
Missaukee
Monroe
Montcalm
Montmorency
Oakland
Ogemaw
Ontonagon
Oscoda
Otsego
Presque Isle
Roscommon
Saginaw
Sanilac
Schoolcraft
Shiawassee
St. Clair
Tuscola
Washtenaw
Wayne

MINNESOTA

Beltrami
Carlton
Clearwater
Cook
Itasca
Kittson
Koochiching
Lake
Lake of the
Woods
Marshall
Pennington
Polk
Roseau
St. Louis

MONTANA

Blaine
Chouteau
Daniels
Flathead
Glacier
Hill
Lake
Liberty
Lincoln
McCone
Phillips
Pondera
Richland
Roosevelt
Sanders
Sheridan
Teton
Toole
Valley

NEW HAMPSHIRE

Carroll
Coos
Grafton

NEW YORK

Alleghany
Cattaraugus
Cayuga
Chautaugua
Clinton
Erie
Essex
Franklin
Genesee
Hamilton
Herkimer
Jefferson
Lewis
Livingston
Madison
Monroe
Niagara
Oneida
Onondaga
Ontario
Orleans
Oswego
Seneca
Steuben
St. Lawrence
Warren
Washington
Wayne
Wyoming
Yates

NORTE DAKOTA

Benson
Bottineau
Burke
Cavalier
Divide
Grand Forks
McHenry
McKenzie
Mountrail
Nelson
Pembina
Pierce
Ramsey
Renville
Rolette
Towner
Walsh
Ward
Williams

OHIO

Ashland
Ashtabula
Cuyahoga
Defiance
Erie
Fulton
Geauga
Hancock
Henry
Huron
Lake
Lorain
Lucas

Medina
Ottawa
Paulding
Portage
Putnam
Sandusky
Seneca
Summit
Trumbull
Williams
Woods

PENNSYLVANIA

Crawford
Erie
Warren

VERMONT

Addison
Caledonia
Chittenden
Essex
Franklin
Grand Isle
Lamoille
Orange
Orleans
Rutland
Washington
Windsor

WASHINGTON

Chelan
Clallam
Douglas
Ferry
Grays Harbor
Island
Jefferson
King
Kitsap
Mason
Okanogan
Pend Oreille
Pierce
San Juan
Skagit
Snohomish
Spokane
Stevens
Whatcom

WISCONSIN

Ashland
Bayfield
Douglas
Florence
Forest
Iron
Vilas

Appendix II

Commission Field Offices

The Commission's field offices and the zip codes are listed below. Correspondence with the field offices should be addressed to: Federal Communications Commission, Engineer-in-Charge. The street address of any office may be found in the local directory, for the city in which the office is located, under the heading United States Government.

ALASKA

Anchorage 99502-1896

ARIZONA

Douglas 85608-0006

CALIFORNIA

San Diego 92111-2216

Livermore 94551-0311

Cerritos 90701-3684

Hayward 94545-1914

COLORADO

Lakewood 80228-2213

FLORIDA

Vero Beach 32961-1730

Miami 33166-4668

Tampa 33607-2356

GEORGIA

Duluth 30136-4958

Powder Springs 30073-0085

HAWAII

Waipahu 96797-1030

ILLINOIS

Park Ridge 60068-1460

LOUISIANA

New Orleans 70123-3333

MAINE

Belfast 04915-0470

MARYLAND

Baltimore 21201-2802

Columbia 21045-9998

MASSACHUSETTS

Quincy 02169-7495

MICHIGAN

Allegan 49010-9437

Farmington Hills 48335-1552

MINNESOTA

St. Paul 55101-1467

MISSOURI

Kansas City 64133-4895

NEBRASKA

Grand Island 68802-1588

NEW YORK

Buffalo 14202-2398

New York 10014-4870

OREGON

Portland 97204-2898

PENNSYLVANIA

Langhorne 19047-1859

PUERTO RICO

Hato Rey 00918-1731

TEXAS

Dallas 75243-3429

Houston 77008-1775

Kingsville 78363-0632

VIRGINIA

Virginia Beach 23455-3725

WASHINGTON

Custer 98240-9303

Kirkland 98034-6927

FCC 600
Main Form

FEDERAL COMMUNICATIONS COMMISSION

Approved by OMB
3080-0623
Expires 10/31/97
Est. Avg. Bureau Hours
Per Response: 4 Hrs.

FCC Use Only
(File Number)

Application for Mobile Radio Service Authorization
or Rural Radiotelephone Service Authorization

FEE Use Only

FILING FEE

(a) Fee Type Code	(b) Fee Multiple	(c) Fee Due for Fee Type Code in (a)	(d) Total Amount Due	FEE Use Only
			\$	

APPLICANT

1. Legal Name of Applicant		2. Voice Telephone Number ()	
3. Assumed Name Used for Doing Business (if any)		4. Fax Telephone Number ()	
5. Mailing Street Address or P.O. Box ATTENTION:			
6. City		7. State	8. Zip Code

9. Name of Contact Representative (if other than applicant)		10. Voice Telephone Number ()	
11. Firm or Company Name		12. Fax Telephone Number ()	
13. Mailing Street Address or P.O. Box			
14. City		15. State	16. Zip Code

CLASSIFICATION OF FILING

17. This filing is a (an) [] <u>New application</u> <u>Amendment</u> to a pending application	
18. Does the applicant believe that this filing should be classified as MINOR under 47 U.S.C. § 309? [] <u>Yes</u> <u>No</u> <u>Does not apply</u>	
19. If not minor under 47 U.S.C. § 309, classification for purposes of competitive bidding: [] <u>Initial</u> <u>Modification</u> <u>Renewal</u>	
20. If this filing is in reference to an existing station: Call sign of existing station:	21. If this filing is an amendment to a pending application: File number of pending application: Date Filed:

NATURE OF SERVICE

22. This filing is for authorization to provide or use the following type(s) of radio service: [] <u>Commercial mobile</u> <u>Private mobile</u> <u>Both commercial and private mobile</u> <u>Fixed</u>			
23. Users are or will be: [] <u>Public subscribers</u> <u>Eligibles</u> <u>Internal</u>		24. Status: [] <u>Profit</u> <u>Not for profit</u>	
25. Interconnected service? [] <u>Yes</u> <u>No</u>	26. Radio Service code: []	27. Type of operation code: []	

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental effect as defined by 47 CFR 1.1307? * If "yes", attach environmental assessment as required by 47 CFR 1.1308 and 47 CFR 1.1311	[] <u>Yes</u> <u>No</u>
--	-----------------------------

ALIEN OWNERSHIP

29. Is the applicant a foreign government or the representative of any foreign government?	[] <u>Yes</u> <u>No</u>
30. Is the applicant an alien or the representative of an alien?	[] <u>Yes</u> <u>No</u>
31. Is the applicant a corporation organized under the laws of any foreign government?	[] <u>Yes</u> <u>No</u>
32. Is the applicant a corporation of which any officer or director is an alien or of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	[] <u>Yes</u> <u>No</u>
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which any officer or more than one-fourth of the directors are aliens, or of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? * If "yes", attach exhibit explaining nature and extent of alien or foreign ownership or control.	[] <u>Yes</u> <u>No</u>

BASIC QUALIFICATIONS

34. Has the applicant or any party to this application or amendment had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, construction permit denied by the Commission? * If "yes", attach exhibit explaining circumstances.	[] <u>Yes</u> <u>No</u>
35. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court?	[] <u>Yes</u> <u>No</u>
36. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition?	[] <u>Yes</u> <u>No</u>
37. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items?	[] <u>Yes</u> <u>No</u>
38. Does the undersigned certify (by responding "Y" to this question), that neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance? * See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	[] <u>Yes</u> <u>No</u>

CERTIFICATION

The APPLICANT waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.	
39. Applicant is a (an) [] Individual <u>Unincorporated Association</u> Partnership Corporation Governmental Entity	
40. Typed Name of Person Signing	41. Title
42. Signature	43. Date
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S.Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

FACILITIES NOT CONSTRUCTED

A10. Locaton Number	A11. File Number	A12. Location Street Address, City or Town, State

FCC 600 Schedule B	FEDERAL COMMUNICATIONS COMMISSION Technical Data (Individual Channel Assignment) Personal Communications Service (Narrowband) Paging and Radiotelephone Service Rural Radiotelephone Service Air-ground Radiotelephone Service (General Aviation) Offshore Radiotelephone Service	Approved by OMB 3060-0623 Expires 10/31/97 Est. Avg. Burden Hours Per Response 4 Hrs
		FCC Use Only

LOCATION

B1. Action Requested [] <u>Add</u> <u>Delete</u> <u>Modify</u>	B2. FCC Location Number (Key to Schedule F)
B3. Street Address or other Description of Location	
B4. City	
B5. County	B6. State
B7. NAD 27 North Latitude (DD-MM-SS) _____ ° _____ ' _____ "	B8. NAD 27 West Longitude (DDD-MM-SS) _____ ° _____ ' _____ "
B9. NAD 83 North Latitude (DD-MM-SS) _____ ° _____ ' _____ "	B10. NAD 83 West Longitude (DDD-MM-SS) _____ ° _____ ' _____ "

If changing antenna location, provide coordinates, FCC location number and datum for old location:

B11. North Latitude (DD-MM-SS) _____ ° _____ ' _____ "	B12. West Longitude (DDD-MM-SS) _____ ° _____ ' _____ "	B13. FCC Location Number
		B14. Datum (NAD 27 or NAD 83)

SUPPLEMENTARY LOCATION INFORMATION

B15. Is this location North of Line A or East of Line C? []	Yes, North of Line <u>A</u> Yes, East of Line <u>C</u> <u>No</u>
B16. Is this location within 200 kilometers of the U.S.-Mexico border? []	<u>Yes</u> <u>No</u>

Complete the following for any adjacent markets within 200 kilometers of this location:

B17. Adjacent Market Designator	B18. Adjacent Market Name	B19. Shortest Distance to Adjacent Market (kilometers)

ANTENNA

B20. Action Requested [] <u>A</u> dd <u>D</u> elete <u>M</u> odify	B21. Status: [] <u>E</u> xisting <u>P</u> roposed	B22. Antenna Number
B23. Type	B24. Manufacturer	B25. Model Number
B26. Height of Center of Radiation AAT (meters)	B27. Beamwidth of Main Lobe (degrees)	B28. Height to Tip AGL (meters)

TRANSMITTERS FOR ANTENNA

B29 Transmitter Number	B30. Action Requested <u>A</u> dd <u>D</u> elete <u>M</u> odify	B31. Channel Center Frequency (MHz)	B32. Transmitter Class Code	B33. Non-standard Emission Type Designator	B34 Maximum Transmitting ERP
I					
II					
III					
IV					

RADIAL DATA FOR ANTENNA

Azimuth (degrees from true North)	B35. Antenna Height AAT (meters)	B36. Transmitter I ERP (Watts)	B37. Transmitter II ERP (Watts)	B38. Transmitter III ERP (Watts)	B39. Transmitter IV ERP (Watts)
0°					
45°					
90°					
135°					
180°					
225°					
270°					
315°					

POINTS OF COMMUNICATION FOR ANTENNA

B40. Action Requested <u>A</u> dd <u>D</u> elete	B41. Transmitter Number	B42. Location (City or Town, State)	B43. North Latitude (DD°MM'SS")	B44. West Longitude (DDD°MM'SS")	B45. Subscriber Call Sign

FCC 600 Schedule C	FEDERAL COMMUNICATIONS COMMISSION Technical Data (Block Channel Assignment) Cellular Radiotelephone Service Personal Communications Service (Broadband) Air-ground Radiotelephone Service (Commercial Aviation)	Approved by OMB 1050-0823 Expires 10/31/97 Est. Avg. Burden hours Per Response 4 hrs.
		FCC Use Only

LOCATION

C1. Action Requested [] <u>Add</u> <u>Delete</u> <u>Modify</u>	C2. FCC Location Number (Key to Schedule F)
C3. Street Address or other Description of Location	
C4. City	
C5. County	C6. State
C7. NAD 27 North Latitude (DD-MM-SS) ____ ° ____ ' ____ "	C8. NAD 27 West Longitude (DDD-MM-SS) ____ ° ____ ' ____ "
C9. NAD 83 North Latitude (DD-MM-SS) ____ ° ____ ' ____ "	C10. NAD 83 West Longitude (DDD-MM-SS) ____ ° ____ ' ____ "
FCC Use Only	

If changing antenna location, provide coordinates, FCC location number and datum for old location:

C11. North Latitude (DD-MM-SS) ____ ° ____ ' ____ "	C12. West Longitude (DDD-MM-SS) ____ ° ____ ' ____ "	C13. FCC Location Number
		C14. Datum (NAD 27 or NAD 83)

TECHNICAL PARAMETERS

C15. Height of Antenna Center of Radiation AAT (meters)	C16. Height to Top of Antenna AGL (meters)	C17. Maximum ERP (watts)
---	--	--------------------------

RADIAL DATA

Azimuth (degrees from true North)	C18. Antenna Height AAT (meters)	C19. Transmitting ERP (Watts)	C20. Distance to SAB (kilometers)	C21. Distance to CGSA (kilometers)
0°				
45°				
90°				
135°				
180°				
225°				
270°				
315°				

FCC 600	FEDERAL COMMUNICATIONS COMMISSION SCHEDULE E Station Location Data (all services except those for which Schedule A is required)	Approved by OMB 3080-0023 Expires 10/31/97 Est. Avg. Burden Hours Per Response: 4 Mins
		FCC Use Only

Licensee Name	Radio Service	Call Sign or Station Location (City, State)
---------------	---------------	---

E1. Specify the datum used to determine all coordinates on this filing: [] NAD27 NAD83 Other (Specify _____)

FIXED OR PERMANENT LOCATIONS

LOC	E2. Station Address / Geographic Location	E3. City	E4. County	E5. State
A				
B				
C				
D				
E				
F				

LOC	E6. Latitude (degrees, minutes, seconds)	E7. Longitude (degrees, minutes, seconds)	E8. Ground Elevation (meters)
A			
B			
C			
D			
E			
F			

CONTROLS MEETING THE 20 FOOT CRITERIA, MOBILE OR TEMPORARY LOCATIONS

LOC	E9. Radius (km)	E10. Area of Operation Code	E11.				E12. Operations (S) South of Line A and/or (W) West of Line C
			LATITUDE	LONGITUDE	COUNTY	STATE	
G			- -	- -			
			- -	- -			
			- -	- -			
			- -	- -			
			- -	- -			
			- -	- -			
			- -	- -			

STATE TABLE

Abbreviations for States, Jurisdictions and Areas

AL	Alabama	NJ	New Jersey
AK	Alaska	NM	New Mexico
AZ	Arizona	NY	New York
AR	Arkansas	NC	North Carolina
CA	California	ND	North Dakota
CO	Colorado	OH	Ohio
CT	Connecticut	OK	Oklahoma
DE	Delaware	OR	Oregon
DC	District of Columbia	PA	Pennsylvania
FL	Florida	RI	Rhode Island
GA	Georgia	SC	South Carolina
GM	Gulf of Mexico	SD	South Dakota
HI	Hawaii	TN	Tennessee
ID	Idaho	TX	Texas
IL	Illinois	UT	Utah
IN	Indiana	VT	Vermont
IA	Iowa	VA	Virginia
KS	Kansas	WA	Washington
KY	Kentucky	WV	West Virginia
LA	Louisiana	WI	Wisconsin
ME	Maine	WY	Wyoming
MD	Maryland	AS	American Samoa
MA	Massachusetts	GU	Guam
MI	Michigan	UM	Midway Island
MN	Minnesota	MP	Northern Mariana Islands
MS	Mississippi	PR	Puerto Rico
MO	Missouri	VI	Virgin Islands
MT	Montana	UM	Wake Island
NE	Nebraska		
NV	Nevada		
NH	New Hampshire		

FCC 600	FEDERAL COMMUNICATIONS COMMISSION SCHEDULE F Antenna Structure Data (All Services)	Approved by OMB 3060-0623 Expires 10/31/97 Est. Avg. Burden Hours Per Response: 4 hrs
		FCC Use Only

Licensee Name	Radio Service	Call Sign or Station Location (City, State)
---------------	---------------	---

STATUS AND IDENTIFYING INFORMATION

LOC	F1. Location Number	F2. New or Existing	F3. Call Sign of Existing Station	F4. Radio Service	F5. Tower Owner's Name and Telephone Number
A					()
B					()
C					()
D					()
E					()
F					()

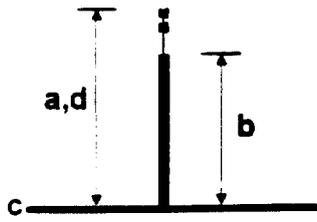
STRUCTURE TYPE AND HEIGHT

LOC	F6. Figure Number <small>(see reverse)</small>	F7. Structure Type	F8. Height of Support Structure (b) <small>(meters)</small>	F9. Overall Height of Structure (d) <small>(meters)</small>	F10. FCC Tower Number
A					
B					
C					
D					
E					
F					

FAA NOTIFICATION

LOC	F11. FAA notified? Yes No	F12. Date FAA Notification Filed	F13. FAA Regional Office Notified	F14. FAA Study Number
A				
B				
C				
D				
E				
F				

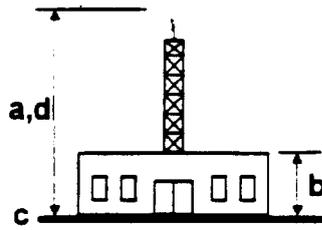
Figure 1



a = height to tip of antenna
(AGL)

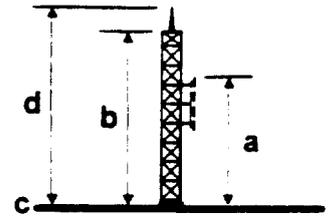
b = height of support structure
(AGL)

Figure 2



c = ground elevation
(AMSL)

Figure 3



d = overall height of structure
including all appurtenances
(AGL)



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET N.W.
WASHINGTON, D.C. 20554

News media information 202/418-0500. Recorded listing of releases and texts 202/418-2222.

DA 95-586

March 22, 1995

**FCC Announces April 5 Deadline for Submission of FCC Form 600
Broadband PCS Applications**

Agency Offers Detailed Filing Instructions and Recommended Organization of Exhibits

On March 13, 1995, the Federal Communications Commission completed its auction of 99 licenses to provide Personal Communications Services in the 2 GHz band (broadband PCS). Applicants who submitted winning bids for the A and B block Major Trading Area (MTA) licenses in that auction are required to file an FCC Form 600 (long form) by **5:30 p.m. (Eastern Time) on April 5, 1995** for each market. The winning bidders and the licenses each winning bidder has won are listed in Attachment A to this Public Notice. *See Attachment A. This Public Notice constitutes official notification under Sections 1.2107 and 24.707 of the Commission's Rules, 47 C.F.R. §§ 1.2107 and 24.707, for purposes of triggering the 10 business day filing period for the FCC Form 600.* A separate Public Notice released on March 13, 1995 provided information concerning the close of the auction and the deadline for submission of down payments by bidders. *See Public Notice, "Announcing the Winning Bidders in the FCC's Auction of 99 Licenses to Provide Broadband PCS in Major Trading Areas; Down Payments Due March 20, 1995,"* March 13, 1995.

Copies of the FCC Form 600 can be obtained by calling the Commission's Forms Distribution Center at 1-800-418-3676 (FORM) (outside Washington, D.C.) or (202) 418-3676 (FORM) (inside Washington, D.C.). Copies of the FCC Form 600 can also be obtained via the Internet and by Fax-On-Demand. *See Public Notice, "Federal Communications Commission Announces Public Availability of Form 600,"* Dec. 16, 1994 (for detailed instructions on how to obtain the FCC Form 600 via the Internet and Fax-On-Demand). If applicants have any questions concerning availability of the FCC Form 600, call the FCC Records Management Branch at 202-418-0210. Applicants must complete the main FCC Form 600, Schedule A to the form, attach any exhibits, and mail or deliver the original application to:

Office of the Secretary



Washington, D.C. 20554
Attention: Broadband PCS Processing Section

The application should be signed and accompanied by three microfiche copies of the original document as specified in Section 24.806 of the Commissions Rules. *See* 47 C.F.R. § 24.806.

In addition to completing the FCC Form 600, applicants are encouraged to use the format below in submitting the information required by our rules as exhibits. Although the suggested organizational approach is discretionary, submission of the materials in the manner described below should expedite the processing of the long-form applications. Applicants bear full responsibility for submission of timely and complete long-form applications. Applicants should read the instructions on the FCC Form 600 carefully and should consult the rules to ensure that, aside from the materials described below, all the information that is required under our regulations is included with their FCC Form 600. **Incomplete or defective applications can be returned.** *See* 47 C.F.R. § 24.820. Each applicant is responsible for the continuing accuracy and completeness of information furnished in a pending application. *See* 47 C.F.R. § 1.65.

ORGANIZATION OF EXHIBITS

Main Form and Schedule Exhibits

Any exhibits to be attached to an application as a result of an answer to a question on the main FCC Form 600 or on the Schedule A should be identified as specified in the instructions to the FCC Form 600. Please attach those exhibits immediately behind the FCC Form 600 and the Schedule A.

Rule-related Exhibits

Any exhibits to be attached to an application as a result of our rule requirements should follow any main FCC Form 600 or Schedule A-related exhibits mentioned above. Please order and identify these exhibits as indicated below. Also, as specified in the instructions to the FCC Form 600, each page of each exhibit must be identified with the number or letter of the exhibit, the number of the page of the exhibit, and the total number of pages of the exhibit.

I. Applicant Identity and Ownership Information.

Background

Under Section 24.813(a) of its rules, the Commission requests certain information for each five percent interest holder in the applicant. *See* 47 C.F.R. § 24.813(a). We also request information concerning interests of five percent or more held in businesses by an officer,