

Mr. Doug Frankhouser, Chairman
NPSPAC Region 51

Dear Chairman Frankhouser:

The City of Beaumont and Jefferson County respectfully requests an STA license for implementation/expansion of a countywide trunked radio system. This frequency modification is required to provide the coverage and loading for the expected number of users in this regional radio system.

Jefferson County, City of Beaumont and Mid/South County agencies, through the execution of an inter-local agreement, will become participating members of the Jefferson County Regional Radio System.

The appropriate FCC forms have been completed and are attached.

The equipment for the system has been purchased and is installed. Implementation will be complete within six (6) months after the FCC has authorized the requested frequencies.

Sincerely,

Bart Bartkowiak
Chief Technology Officer
City of Beaumont

FCC Application for Radio Service Authorization:
Wireless Telecommunications Bureau
Public Safety and Homeland Security Bureau

1) Radio Service Code: YE	1a) Existing Radio Service Code:
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General Information

2) (Select only one) (NE) NE - New RO - Renewal Only AU - Administrative Update NT - Required Notifications MD - Modification RM - Renewal/Modification WD - Withdrawal of Application EX - Requests for Extension of Time AM - Amendment CA - Cancellation of License DU - Duplicate License RL - Registered Location/Link	
3a) If this application is for a <u>D</u> evelopmental License, <u>D</u> emonstration License, or a <u>S</u> pecial Temporary Authorization (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter ' <u>N</u> ' (Not Applicable).	(S) <u>D</u> <u>M</u> <u>S</u> <u>N/A</u>
3b) If this application is for Special Temporary Authority due to an emergency situation, enter 'Y'; otherwise enter 'N'. Refer to Rule 1.915 for an explanation of situations considered to be an emergency.	(N) <u>Yes</u> <u>No</u>
4) If this application is for an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC.	File Number
5) If this application is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign of the existing FCC license. If this is a request for Registered Location/Link, enter the FCC call sign assigned to the geographic license.	Call Sign
6) If this application is for a New, Amendment, Renewal Only, or Renewal/Modification, enter the requested authorization expiration date (this item is optional).	MM DD ____/____
7) Is this application "major" as defined in §1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of §1.929).	(Y) <u>Yes</u> <u>No</u>
8) Are attachments (other than associated schedules) being filed with this application?	(N) <u>Yes</u> <u>No</u>

Fees, Waivers, and Exemptions

9) Is the Applicant exempt from FCC application fees?	() <u>Yes</u> <u>No</u>
10) Is the Applicant exempt from FCC regulatory fees?	() <u>Yes</u> <u>No</u>
11a) Does this application include a request for a Waiver of the Commission's Rule(s)? If 'Yes', attach an exhibit providing rule number(s) and explaining circumstances.	(N) <u>Yes</u> <u>No</u>
11b) If 11a is 'Y', enter the number of rule sections involved.	Number of Rule Section(s): _____
12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	(N) <u>Yes</u> <u>No</u>

Applicant Information

13) FCC Registration Number (FRN): 0001672070			
14) Applicant/Licensee Legal Entity Type: (Select One) () Individual () Unincorporated Association () Trust (<input checked="" type="checkbox"/>) Government Entity () Corporation () Limited Liability Company () General Partnership () Limited Partnership () Limited Liability Partnership () Consortium () Other: _____			
15) If the Licensee name is being updated, is the update a result from the sale (or transfer of control) of the license(s) to another party and for which proper Commission approval has not been received or proper notification not provided?			(<input type="checkbox"/>) Yes <input checked="" type="checkbox"/> No
16) First Name (if individual):	MI:	Last Name:	Suffix:
17) Legal Entity Name (if other than individual): Beaumont, City of			
18) Attention To: Bart Bartkowiak			
19) P.O. Box:	And/Or	20) Street Address: 602 Marina Dr.	
21) City: Beaumont	22) State: TX	23) Zip Code: 77704	
24) Telephone Number: (409) 880-3793		25) FAX: (409) 832-1573	
26) E-Mail Address: BBartkowiak@ci.beaumont.tx.us			

27) Demographics (Optional):

Race: () American Indian or Alaska Native () Asian () Black or African-American () Native Hawaiian or Other Pacific Islander () White	Ethnicity: () Hispanic or Latino () Not Hispanic or Latino	Gender: () Male () Female
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Real Party in Interest

28) Name of Real Party in Interest of Applicant (If different from Applicant):	29) FCC Registration Number (FRN) of Real Party in Interest:
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Contact Information (If different from the Applicant)**() Check here if same as Applicant.**

30) First Name:	MI:	Last Name:	Suffix:
31) Company Name:			
32) Attention To:			
33) P.O. Box:	And /Or	34) Street Address:	
35) City:	36) State:	37) Zip Code:	
38) Telephone Number:		39) FAX:	
40) E-Mail Address:			

Regulatory Status

41) This filing is for authorization to provide or use the following type(s) of radio service offering (enter all that apply):
() Common Carrier () Non-Common Carrier () Private, internal communications () Broadcast Services () Band Manager

Type of Radio Service

42) This filing is for authorization to provide the following type(s) of radio service (choose all that apply):
() Fixed () Mobile () Radiolocation () Satellite (sound) () Broadcast
43) Does the Applicant propose to provide service interconnected to the public telephone network? () Yes No

Alien Ownership Questions (If any answer is 'Y', provide an attachment explaining the circumstances)

44) Is the Applicant a foreign government or the representative of any foreign government? () Yes No
45) Is the Applicant an alien or the representative of an alien? () Yes No
46) Is the Applicant a corporation organized under the laws of any foreign government? () Yes No
47) Is the Applicant a corporation 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? () Yes No
48a) Is the Applicant directly or indirectly controlled by any other corporation 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? () Yes No
48b) If the answer to 48a is 'Y', has the Applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application? () Yes No
If the answer to 48b is 'Y', include in the exhibit required by Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number of the FCC Record citation, if available, release date, and any other identifying information
If the answer to 48b is 'N', attach to this filing a date-stamped copy of a request for a foreign ownership ruling pursuant to Section 310(b)(4) of the Communications Act. It is not necessary to file a request for a foreign ownership ruling if the Applicant includes in the exhibit required by Item 48a a showing that the requested license(s) is exempt from the provisions of Section 310(b)(4).

Basic Qualification Questions

49) Has the Applicant or any party to this application 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, or construction permit denied by the Commission? () Yes No
50) Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court? () Yes No
51) Has any court finally adjudged the Applicant or any party 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? () Yes No
If the answer to any of 49-51 is 'Y', attach an exhibit explaining the circumstances.

Aeronautical Advisory Station (Unicom) Certification

52) () I certify that the station will be located on property of the airport to be served, and, in cases where the airport does not have a control tower, RCO, or FAA flight service station, that I have notified the owner of the airport and all aviation service organizations located at the airport within ten days prior to application.

Broadband Radio Service and Educational Broadband Service Cable Cross-Ownership

53a) Will the requested facilities be used to provide multichannel video programming service? () Yes No
53b) If the answer to question 53a is 'Y', does the Applicant operate, control or have an attributable interest (as defined in Section 27.1202 of the Commission's Rules) in a cable television system whose franchise area is located within the geographic service area of the requested facilities? () Yes No
Note: If the answer to question 53b is 'Y', attach an exhibit explaining how the Applicant complies with Section 27.1202 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

Broadband Radio Service and Educational Broadband Service (Part 27)

54) (For EBS only) Does the Applicant comply with the programming requirements contained in Section 27.1203 of the Commission's Rules? () Yes No
Note: If the answer to item 54 is 'N', attach an exhibit explaining how the Applicant complies with Section 27.1203 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.
55) (For BRS and EBS) Does the Applicant comply with Sections 27.50, 27.55, and 27.1221 of the Commission's Rules? () Yes No
Note: If the answer to item 55 is 'N', attach an exhibit justifying a waiver of that rule(s). If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

General Certification Statements

1)	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.
2)	The Applicant certifies that grant of this application would not cause the Applicant to be in violation of any pertinent cross-ownership or attribution rules.* *If the Applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request.
3)	The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
4)	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §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. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR § 1.2002(c). See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification.
5)	The Applicant certifies that it either (1) has current required ownership data on file with the Commission, (2) is filing updated ownership data simultaneously with this application, or (3) is not required to file ownership data under the Commission's Rules.
6)	The Applicant certifies that the facilities, operations, and transmitters for which this authorization is hereby requested are either: (1) categorically excluded from routine environmental evaluation for RF exposure as set forth in 47 C.F.R. 1.1307(b); or, (2) have been found not to cause human exposure to levels of radiofrequency radiation in excess of the limits specified in 47 C.F.R. 1.1310 and 2.1093; or, (3) are the subject of one or more Environmental Assessments filed with the Commission.
7)	The Applicant certifies that it has reviewed the appropriate Commission Rules defining eligibility to hold the requested license(s), and is eligible to hold the requested license(s).
8)	The Applicant certifies that it is not in default on any payment for Commission licenses and that it is not delinquent on any non-tax debt owed to any federal agency.

Signature

56) Typed or Printed Name of Party Authorized to Sign

First Name: Bart	MI:	Last Name: Bartkowiak	Suffix:
57) Title: Chief Technology Officer			
Signature:			58) Date:

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

Upon grant of this license application, the Licensee may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).

Information and Instructions

Wireless Telecommunications Bureau and/or Public Safety and Homeland Security Bureau Schedule for Station Locations and Antenna Structures

Form FCC 601, Schedule D, is a supplementary schedule for use with the FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau and/or Public Safety and Homeland Security Bureau, FCC 601 Main Form. This schedule is used to supply technical information for fixed transmit station locations, including antenna structures and Mobile, Temporary Fixed, Itinerant, and 6.1 Meter Control Station Locations. It is also used by geographic Licensees (all radio services, except microwave) to apply for a site-specific authorization to fulfill international coordination requirements, environmental assessment requirements or for reporting of cell transmitter stations (CTS) in the 218-219 MHz Service (when required by Part 95) or for reporting of base or fixed stations operating in excess of 1 kW ERP in the 700 MHz WCS channels (when required by Part 27). File as many schedules as necessary to describe all station locations, including antenna structures, in your application. The FCC 601 Main Form must be filed in conjunction with this schedule. This schedule is used in conjunction with the following technical data schedules:

Note: When required, antenna structures must be registered using FCC 854. The use of this form to supply antenna structure information does not replace the requirement to register antenna structures on the FCC 854. For more information, see our web site at <http://wireless.fcc.gov/antenna>, call (877) 480-3201 (TTY 717-338-2824), or visit the web at <http://esupport.fcc.gov>.

FCC 601, Schedule E - Technical Data Schedule for the Broadband Radio Service and Educational Broadband Service (Part 27)

Note: BRS and EBS may only apply for fixed, temporary fixed or mobile station locations.

FCC 601, Schedule F - Technical Data Schedule for the Cellular and Air-ground (Commercial Aviation) Radiotelephone Services (Part 22)

Note: Services that use Schedule F may only apply for fixed station locations.

FCC 601, Schedule G - Technical Data Schedule for the Maritime and Aviation Services (Parts 80 and 87)

FCC 601, Schedule H - Technical Data Schedule for the Private Land Mobile and Broadcast Auxiliary Land Mobile Radio Services (Parts 90 and 74)

Note: Part 90 Services that use Schedule H may only have a maximum of six fixed sites per call sign.

FCC 601, Schedule J - Technical Data Schedule for the Paging, Rural, Air-ground (General Aviation), and Offshore Radiotelephone Services (Part 22)

It is recommended that Schedule D be completed prior to completing any required technical data schedules.

Note: Some services have specific requirements and/or restrictions for some of the items on this schedule. Please refer to the instructions of the appropriate technical data schedule for service specific response requirements and restrictions.

Schedule D Instructions

This schedule must be completed when any station location is to be added, modified, or deleted. Use as many copies of Schedule D as necessary to provide information for all stations.

Adding a Fixed Station Location

If you are adding a new fixed station location, complete all required items for each fixed station location being added.

Note: If you are adding a 6.1 Meter (20 foot) Control Station in the 470-512 MHz band, 72-76 MHz band or adding a 6.1 Meter (20 foot) Control Station that requires greater than 5 watts output power/ERP for operations in regions North of Line 'A' or in Alaska East of Line 'C', complete all required items for the control station as if adding a fixed station location. Enter location description code as "FX" in Item 3.

Modifying a Fixed Station Location

If you are modifying a fixed station location, in addition to Items 1, 2, and 6 (provide the seven digit antenna structure registration number), complete only the items that have changed for each fixed station location. If the modification is to delete existing data, enter CLR (clear) in the appropriate field (manual filed forms only). If the modification involves technical data filed on one of accompanying FCC Technical Data Service Schedules E, F, G, H, or J, or involves the relocation of a fixed station, then Items 26 and 27 (if applicable) must also be completed. If modifying a fixed station location in the Broadband Radio Services or the Educational Broadband Services, also complete items 23 & 28.

Adding a Mobile, Temporary Fixed, Itinerant, or 6.1 Meter Control Station Location

If you are adding a new mobile station, temporary fixed station, itinerant station, or 6.1 meter control station, complete all required items for each station to be added.

Note: If you are adding a 6.1 Meter (20 foot) Control Station in the 470-512 MHz band, 72-76 MHz band or adding a 6.1 Meter (20 foot) Control station that requires greater than 5 watts output power/ERP for operations in regions North of Line 'A' or in Alaska East of Line 'C', complete all required items for the control station as if adding a fixed station location. Enter location description code as "FX" in Item 3.

Modifying a Mobile, Temporary Fixed, Itinerant, or 6.1 Meter Control Station Location

If you are modifying a station, in addition to Items 1, and 2, complete only the items that have changed for each station. If the modification is to delete existing data, enter CLR (clear) in the appropriate field (manual filed forms only). If the modification involves technical data filed on one of accompanying FCC Technical Data Service Schedules E, G, H, or J, or involves the relocation of a control station, then Items 26 and 27 (if applicable) must also be completed. If modifying a station in the Broadband Radio Services or the Educational Broadband Services, complete items 23 & 28 also.

Deleting a Station Location

If you are deleting a station location, only Items 1, 2, 7 and 8 are required, if applicable. If a station location is deleted, the frequency, emission, and all related technical data that is linked to that station location will automatically be deleted and will no longer be part of your authorization. Therefore, it is not necessary to complete the complementary technical data service schedule to delete frequency and emissions when a station location is deleted using this schedule. Station locations that are currently licensed under the call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested.

IMPORTANT ANTENNA STRUCTURE REGISTRATION INFORMATION: The Commission will evaluate your application for a fixed location based on the Antenna Structure Registration number you provide (if required). If you mistype your Antenna Structure Registration Number, or provide location data (latitude, longitude, elevation, and structure heights) that is inconsistent with the data found in the Commission's Antenna Structure Registration database, your application will be dismissed.

Inconsistent data is defined as follows:

1. Latitude and Longitude data provided on Schedule D differs from the data in the Antenna Structure Registration database by more than 1 second; or
2. The height or elevation reported on Schedule D is more than 0.5 meters (1.5 feet) greater than the data in the Antenna Structure Registration Database; or elevation is more than 3 meters (9.8 feet) less than the elevation listed in the Antenna Structure Registration Database.

IMPORTANT INFORMATION REGARDING LOCATION, ANTENNA, AND CONTROL POINT NUMBERS: To identify existing locations, antennas, or control points, you must use the location, antenna, and control point numbers assigned by the Universal Licensing System (ULS). These numbers may not be identical to the location, antenna, and control point numbers on your current authorization if that authorization was not issued by the Universal Licensing System. If you are unsure of the location, antenna, or control point number that corresponds to a particular location, antenna, or control point, you can query the ULS for the most up-to-date information regarding your authorization. To query the ULS license database for your call sign, point your web browser to <http://wireless.fcc.gov/uls/> and click on the Search - Licenses. Alternatively, you may call (877) 480-3201 (TTY 717-338-2824) for assistance.

Item 1 This item must be completed. It indicates the action the Applicant wants the FCC to take on the specified location. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Item 2 This item must be completed. If the station location has been previously licensed under this call sign by the FCC, enter its FCC-assigned location number (see Important Information Regarding Location, Antenna, and Control Point Numbers. For a new station location, assign a temporary code to represent the station location. The assigned code should begin with 'L' to indicate it is a location and end with a number to uniquely identify it (e.g., L1, L2, L3, etc.). The FCC will assign an official number to the new station, which will appear on the Authorization.

Item 3 Enter the appropriate location description for the specified location. Valid location description codes are listed below:

- FX - Fixed
- MO - Mobile
- IT - Itinerant
- TF - Temporary Fixed
- 6.1 - 6.1 Meter Control Station

Note: For 'IQ' radio service only, leave item 3 blank as the Location Description is not required.

Item 4 Does not apply if Item 3 equals FX. For Mobile, Temporary Fixed, Itinerant, and 6.1 Meter Control Stations, enter the appropriate area of operation code using the table that follows. Additional Schedule D fields must be completed according to the area of operation code chosen. Refer to the table to determine which additional fields are required on Schedule D for the chosen area of operation code. Only one area of operation code may be selected for each location.

Note: If area of operation will cover multiple counties/boroughs/parishes, use area of operation code 'O' and in Item 24, specify all applicable counties/boroughs/parishes in and the state(s) the counties/boroughs/parishes are located in.

Area of Operation Codes and Required Data Values

Code Description	Additional Schedule D Data Elements Required for each Area of Operation Code	Item Numbers
A KMRA* around a Fixed location (option not available to Maritime or Aviation Services)	Fixed Location Number, Temporary Fixed or Mobile Radius	17, 18
P KMRA* around a Center point	Latitude, Longitude, City**, State, County/Borough/Parish**, Temporary Fixed or Mobile Radius	7, 8, 10, 11, 12, 18
R Rectangular Area of Operation	Latitude, Longitude, Maximum Latitude, Maximum Longitude	7, 8, 21, 22
N Nationwide including Hawaii Alaska & US Territories		
U Continental US		
C County/Borough/Parish Wide Area of Operation	State, County/Borough/Parish	11, 12
S Statewide Area of Operation	State	11
O Other	Description (should include State)	24
X Land Mobile Control Station Meeting the 6.1 Meter Rule	State, County/Borough/Parish	11, 12

*Kilometers Radius

** Complete as applicable - refer to instructions for applicability.

Item 5 This item is optional. Enter a location name that describes the location (up to 20 characters maximum).

Item 6 This item is required for fixed locations if the action requested in Item 1 is 'A' or 'M'. If antenna structure registration is required, enter the seven digit FCC Antenna Structure Registration Number (shown on the structure's registration, FCC 854R). Otherwise, enter N/A to indicate that FAA notification is not required.

Note: Effective 7/1/96 the Commission requires owners to register certain structures. When required, antenna structures must be registered using FCC 854. The use of this FCC 601 to supply antenna structure information does not replace the requirement to register antenna structures on the FCC 854. For more information, see our web site at <http://wireless.fcc.gov/antenna>, call (877) 480-3201 (TTY 717-338-2824), or you may visit the web at <http://esupport.fcc.gov>.

Note: If, in accordance with 47 CFR § 17.14, Antenna Structure Registration is not required because the structure is shielded by existing structures or because it is fixed by its functional purpose, submit supporting documentation as an attachment to your application.

Items 7 and 8 For fixed locations, if you entered 'N/A' in Item 6, you must enter the geographic coordinates (latitude and longitude) of the location. If you provided an Antenna Structure Registration Number in Item 6, then these items are optional (see Important Antenna Structure Registration Information on page 2 of these instructions). For all other locations enter the geographic coordinates as specified in the table in the instructions for Item 4:

If 'P' was entered in Item 4, enter the geographic coordinates of the center point;

If 'R' was entered in Item 4, enter the geographic coordinates of the southeast corner of the rectangular area or box. (See also Items 21 and 22 for the Northwest corner)

Enter the latitude using the format *DD-MM-SS.S*, where the degrees (*DD*) term can have a value in the range of 0 to 72, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. If desired, seconds may be rounded to the nearest tenth of a second (in which case, use the format *DD-MM-SS.S*). In the right corner, specify the direction as either N for North or S for South.

Enter the longitude using the format *DDD-MM-SS*, where the degrees (*DDD*) term can have a value in the range of 64 to 180, minutes (*MM*) can range from 0 to 59, and seconds (*SS.S*) can range from 0 to 59.9. If desired, seconds may be rounded to the nearest tenth of a second (in which case, use the format *DDD-MM-SS.S*). In the right corner, specify the direction as either E for East or W for West.

All coordinates must be referenced to the North American Datum of 1983 (NAD83). This information can be determined in many ways, including a GPS receiver, a 7.5-minute topographical quadrangle map of the area, or you may consult the city or county/borough/parish surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

Note: Location coordinates (latitude and longitude) for sites in the Continental United States, Puerto Rico, the U.S. Virgin Islands, Alaska, Hawaii, American Samoa, and Guam must be referenced to the North American Datum of 1983 (NAD83). Coordinates for sites in the Northern Mariana Islands, Wake Island, and Midway Island should be referenced to the applicable local datums. If the source from which you obtain the coordinates still utilizes an older datum (*i.e.*,

NAD27, PRD40) you must convert to NAD83. Conversion routines are available through the internet at <http://wireless.fcc.gov/uls/utilities/nadcon.html>.

Items 9-12

Fixed Locations

If you answered 'N/A' in Item 6 for a Fixed Location, you must complete Items 9 through 12. If you provided an Antenna Registration Number in Item 6 for a Fixed Location, you must complete Item 12, County/Borough/Parish name.

Item 9 This item must be completed for the Fixed Location. Enter a complete description of the location such as street number and address or other geographic description such as direction and distance from a town or known landmark (i.e., RT 81, 5 km South of Fairview). P. O. Box numbers or geographical coordinates are not acceptable for this item.

Item 10 This item must be completed with the City in which the station is located.

Item 11 This item must be completed with the State code in which the station is located. Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction and area codes.

Item 12 This item must be completed with the County/Borough/Parish or equivalent entity in which the station is located unless any of the following pertain to the Fixed Location:

- a) The City entered in Item 10 is an Independent City that is not affiliated with a County/Borough/Parish (i.e., Baltimore, MD)
- b) The State code entered in Item 11 does not have Counties/Boroughs/Parishes, enter the equivalent entity (i.e., Puerto Rico, Virgin Islands)
- c) The State code entered in Item 11 is GM, Gulf of Mexico

NOTE: If the nearest City, County/Borough/Parish or equivalent entity and State are located in a bordering County/Borough/Parish or equivalent entity and/or State, enter a complete description of the location in Item 9 as shown in the example. Complete Item 10 if a City, Town or Village within the station's County/Borough/Parish or equivalent entity is nearby, and complete Items 11 and 12 with the County/Borough/Parish or equivalent entity and State in which the coordinates are actually located.

Example: 9) (Street) Summit Mtn near Palo Verde, Imperial County, CA
 10) (City) Palo Verde
 11) (State) AZ
 12) (County/Borough/Parish) La Paz

Area Locations

For area locations, respond to items 9-12 as specified in the table in the instructions for Item 4:

Item 9 This item is not applicable for area locations and should be left blank.

Item 10 If 'P' was entered in Item 4, enter the city or town name of the location in this item. This item is required only if Item 12 is blank.

Item 11 If 'P', 'C', 'S', or 'X' was entered in Item 4, enter the State of the location in this item (if 'X' was entered in Item 4, enter the State of the primary control station). Refer to FCC 601 Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area codes.

Item 12 If 'C', 'P' or 'X' was entered in Item 4, enter the County/Borough/Parish or equivalent entity of the location in this item.

This item is always required for area of operation code 'C'.

This item is required for area of operation code 'P' except when: (a) the City entered in Item 10 is an Independent City that is not affiliated with a County/Borough/Parish (i.e., Baltimore, MD), or (b) the State entered in Item 11 is 'GM' (Gulf of Mexico).

This item is required for area of operation code 'X' for Radio Service Codes IK or YK utilizing frequencies below 470 MHz except when: (a) the City entered in Item 10 is an Independent City that is not affiliated with a County/Borough/Parish (i.e., Baltimore, MD), or (b) the State entered in Item 11 is 'GM' (Gulf of Mexico).

Note: Items 13-16 only apply to Fixed Locations. If you answered 'N/A' in Item 6 for a Fixed Location, you must complete Items 13-16. If you provided an Antenna Registration Number in Item 6 for a Fixed Location, Items 13-16 are optional. (See Important Antenna Structure Registration Information on Page 2 of Schedule D Instructions.)

Item 13 Enter the elevation above mean sea level (AMSL) of the ground at the antenna location. Enter this item in meters, rounded to the nearest tenth. Refer to letter 'a' in the antenna structure figure examples on page 7 of these instructions. This information can be determined in many ways, including a GPS receiver, 7.5 minute topographical quadrangle map of the area, or you may consult the city or county/borough/parish surveyor in your area. Topographical maps may be purchased from the U.S. Geological Survey, Washington, DC 20242 or from its office in Denver, Colorado 80225.

Item 14 Enter the height above ground level to the highest point of the **supporting structure only**. Enter this item in meters, rounded to the nearest tenth. For example, if the antenna structure consists of a building/tower combination, include any elevator shaft, flag pole, or penthouse in the **overall** 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 structure figure examples on page 7 of these Instructions.

Item 15 Enter the overall height above ground level of the entire antenna structure to the highest point, including any appurtenances. Enter this item in meters, rounded to the nearest tenth. You must include antennas, dishes, obstruction lighting, etc. Refer to letter 'c' in the antenna structure figure examples on page 7 of these instructions.

Item 16 Enter the code for the type of structure on which the antenna is or will be mounted from the following valid structure types:

<u>Code</u>	<u>Definition</u>
B	Building with a side mounted antenna
BANT	Building with Antenna on Top
BMAST	Building with Mast/Antenna on Top
BPIPE	Building with Pipe/Antenna on Top
BPOLE	Building with Pole/Antenna on Top
BRIDG	Bridge
BTWR	Building with Tower/Antenna on Top
MAST	Self-Support Structure
NNTANN*	Antenna Tower Array
NTOWER**	Multiple Structures
PIPE	Any Type of Pipe
POLE	Any Type of Pole, used only to mount an antenna
RIG	Oil or Other Type of Rig
SIGN	Any Type of Sign or Billboard
SILO	Any Type of Silo
STACK	Smoke Stack
TANK	Any Type of Tank (Water, Gas, etc.)
TOWER	A Free Standing or Guyed Structure Used for Communications Purposes
TREE	When Used as a Support for an Antenna
UPOLE	Utility Pole/Tower Used to Provide Service (Electric, Telephone, etc.)

* Valid Tower Arrays. Code definition: The first NN indicates the number of towers in an array. The second NN is optional and indicates the position of that tower in the array (e.g., 3TA2 would identify the second tower in a three-tower array).

** Valid Multiple Structures. Code Definition: The N indicates the number of structures where multiple antenna structures are present in a multiple structure (Ex.: 2TOWER, 3TANK, 6BANT, 7BMAST).

Item 17 If you entered Area of Operation code 'A' in Item 4, enter the location number of the corresponding fixed location.

Item 18 For Area of Operation codes 'A' or 'P', enter the radius of the area of operation. Enter in kilometers, rounded to the nearest tenth. Refer to CFR 47 for limitations.

Item 19 Applicable to Aviation Services (Part 87) only. Enter the three or four character code assigned to the airport (if applicable).

Item 20 This item only applies when Item 3 equals FX and Item 1 is 'A' or 'M'. If Commission's rules recognize Primary and Secondary protection in conjunction with other fixed site facilities in the service, enter 'P' if you wish primary protection for the site or 'S' if you wish no protection for the site. If Commission's rules do not recognize Primary and Secondary protection in conjunction with other fixed site facilities in the service, Item 20 can be left blank. Refer to the applicable Commission's Rules for your service for more information on Primary and Secondary protection.

Items 21 and 22 These items must be completed for operations that are defined by a rectangular area or box coordinates (Area of Operation code in Item 4 = 'R'). Enter geographic coordinates (latitude and longitude) of the northwest corner of the rectangular area of box in Items 21 and 22. See Notes in Items 7 and 8 of these instructions for important information regarding coordinates.

Item 23 Respond to this Item only if Item 3 is MO, TF, IT or 6.1. Does not apply when Item 3 equals FX. This item helps the FCC to determine if it will initiate coordination procedures with the Government of Canada. If any part of the mobile location is in an area that requires frequency coordination with Canada and you intend to operate in this area, enter 'Y'. In the event the Applicant needs to submit additional information regarding coordination of a channel assignment with the Government of Canada, this should be attached as an exhibit, which references Schedule D Item 23. If 'N' is entered, the FCC will not initiate coordination procedures with the Government of Canada and your area of operation will be excluded from these border areas. Appendix I in FCC 601 Main Form Instructions contains a list of counties/boroughs, by state, having areas within the various coordination zones and a list of which coordination zones apply for various frequency bands. (If the county/borough has an 'X' in the block then enter 'Y'. If the county/borough doesn't have an 'X' then enter 'N'. If the county/borough has an 'X' and a 'P', this indicates part of the county/borough requires frequency coordination with Canada, then enter 'Y' or 'N' depending on whether or not you intend on operating in the border area.)

NOTE: For ED and BR radio services, enter 'Y' if you propose to operate in a Canadian border area. Otherwise, enter 'N'.

Item 24 If the response to Item 4 was 'O', enter a description of the area of operation. P.O. Box numbers or geographic coordinates are not acceptable for Item 24. The use of 'Other' should only be used if the area of operation cannot be described by using codes A, P, R, C, S, N, or U. Area of operation provided as 'Other' may delay processing of the application.

Item 25 This item is applicable only if you are applying for an area of operation in services other than Land Mobile (public or private), Broadcast Auxiliary Land Mobile Radio, Broadband Radio Service, or Educational Broadband Service. Enter the number of units for each type listed: Hand Held, Mobile, Temporary Fixed, Aircraft, and Itinerant. For paging systems (Part 22), provide the number of subscribers (in mobiles) along with the number of temporary fixed transmitters.

Item 26 This item is required for compliance with the National Environmental Policy Act of 1969 (NEPA), as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301 - 1.1319). This item must be answered, either 'Y' or 'N'.

Enter 'Y' if an FCC grant of this application will have a significant environmental effect. Section 1.1307 of the FCC rules lists categories of environmental effects for which Applicants must file an environment assessment. Other wise enter 'N'. Examples of facilities that may have a significant effect on the environment include:

- An antenna structure located in a residential area (as defined by applicable zoning laws) that will utilize high intensity aviation obstruction lighting
- A facility located in an officially designated wilderness area, wildlife preserve, or floodplain
- A facility that affects a site significant in American history
- A facility whose construction involves extensive changes in surface features
- Facilities, operations, or transmitters that would cause human exposure to levels of radio frequency radiation in excess of the limits as detailed in § 1.1310 of the Commission's rules

Item 27a Applicants filing for a new or modified fixed station located in one of the Quiet Zone areas listed below must notify the proper authority and indicate the date such notification was sent in Item 27a.

Those applications who are proposing to modify other technical parameters (including, but not limited to frequency, power, antenna height, etc.) of their system operations where the station is currently authorized to operate within the quiet zone area, must also notify the proper authority and indicate the date such notification was sent in Item 27a.

See Part 1, Subpart F of the FCC Rules (47 CFR 1.924)

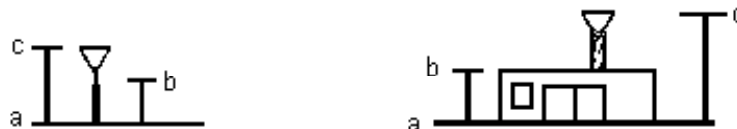
Item 27b If the Applicant has obtained prior written consent from the Quiet Zone entity for the technical parameters specified in the application, enter "Y" and include a copy of the consent as a Quiet Zone Consent attachment. If prior written consent has not been obtained, enter "N".

Quiet Zone areas:

1. National Radio Astronomy Observatory, Green Bank, Pocohontas County, West Virginia. The quiet zone is located within Virginia, West Virginia, and Garrett County, Maryland and bounded by N 39 degrees 15' 0.4" on the north, W 78 degrees 29' 59.0" on the east, N 37 degrees 30' 0.4" on the south, and W 80 degrees 29' 59.2" on the west. Contact the Director, National Radio Astronomy Observatory, P. O. Box 2, Green Bank, WV 24944.
2. Arecibo Observatory, Puerto Rico. The quiet zone consists of the Puerto Rico, Desecheo, Mona, Vieques, and Culebra islands. Contact the Interference Office, Arecibo Observatory, Post Office Box 53995, Arecibo, Puerto Rico 00612, or electronically at prcz@naic.edu.

Item 28 For ED and BR radio services, enter 'Y' if you propose to operate in a Mexican border area. Otherwise, enter 'N'.

Antenna Structure Figure Examples



Wireless Telecommunications Bureau and/or
Public Safety and Homeland Security Bureau

Schedule for Station Locations and Antenna Structures

See 601 Main Form Instructions
for public burden

estimate

1) Action Requested: (A) <u>A</u> dd <u>M</u> od <u>D</u> el		2) Location Number: 1	
3) Location Description: Fixed		4) Area of Operation Code:	5) Location Name: Beaumont
6) FCC Antenna Structure Registration # or N/A (FAA Notification not Required): 1234864			
7) Latitude (DD-MM-SS.S): 30-05-53.7 (N) <u>N</u> or <u>S</u>		8) Longitude (DDD-MM-SS.S): 94-05-58.6 (W) <u>E</u> or <u>W</u>	
9) Street Address, Name of Landing Area, or Other Location Description: Pine and Marina Street			
10) City: Beaumont	11) State: TX		12) County/Borough/Parish: Jefferson
13) Elevation of Site AMSL (meters) ('a' in antenna structure example): 7.3	14) Overall Ht AGL Without Appurtenances (meters) ('b' in antenna structure example): 121.9	15) Overall Ht AGL With Appurtenances (meters) ('c' in antenna structure example): 121.9	
16) Support Structure Type: Tower			
17) Location Number: (only for Area of Operation Code 'A')	18) Radius (km):	19) Airport Identifier:	20) Site Status:
21) Maximum Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner)		22) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner)	
23) Do you propose to operate in an area that requires frequency coordination with Canada? (N) <u>Yes</u> No			
24) Description: (only for Area of Operation Code 'O')			
25) Number of Units: ___ Hand Held ___ Mobile ___ Temporary Fixed ___ Aircraft ___ Itinerant			
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. (N) <u>Yes</u> No If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311.			
27a) If the site is located in one of the Quiet Zones listed in Item 27b of the Instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified: ___/___/___			
27b) Has the Applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? () <u>Yes</u> No			
28) Do you propose to operate in an area that requires frequency coordination with Mexico? (N) <u>Yes</u> No			

Wireless Telecommunications Bureau and/or
 Public Safety and Homeland Security Bureau

Schedule for Station Locations and Antenna Structures

See 601 Main Form Instructions
 for public burden

estimate

1) Action Requested: (A) <u>A</u> dd <u>M</u> od <u>D</u> el		2) Location Number: 5	
3) Location Description: Mobile		4) Area of Operation Code: C	
5) Location Name:			
6) FCC Antenna Structure Registration # or N/A (FAA Notification not Required):			
7) Latitude (DD-MM-SS.S): () <u>N</u> or <u>S</u>		8) Longitude (DDD-MM-SS.S): () <u>E</u> or <u>W</u>	
9) Street Address, Name of Landing Area, or Other Location Description:			
10) City: Beaumont		11) State: TX	
12) County/Borough/Parish: Jefferson			
13) Elevation of Site AMSL (meters) ('a' in antenna structure example):		14) Overall Ht AGL Without Appurtenances (meters) ('b' in antenna structure example):	
15) Overall Ht AGL With Appurtenances (meters) ('c' in antenna structure example):			
16) Support Structure Type:			
17) Location Number: (only for Area of Operation Code 'A')		18) Radius (km):	
19) Airport Identifier:		20) Site Status:	
21) Maximum Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner)		22) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner)	
() <u>N</u> or <u>S</u>		() <u>E</u> or <u>W</u>	
23) Do you propose to operate in an area that requires frequency coordination with Canada? (N) <u>Yes</u> No			
24) Description: (only for Area of Operation Code 'O')			
25) Number of Units: ___ Hand Held ___ Mobile ___ Temporary Fixed ___ Aircraft ___ Itinerant			
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. (N) <u>Yes</u> No If 'Yes', submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311.			
27a) If the site is located in one of the Quiet Zones listed in Item 27b of the Instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified: ___/___/___			
27b) Has the Applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? () <u>Yes</u> No			
28) Do you propose to operate in an area that requires frequency coordination with Mexico? (N) <u>Yes</u> No			

Information and Instructions

**Technical Data Schedule for the
Private Land Mobile and Land Mobile Broadcast Auxiliary Radio Services
(Parts 90 and 74)**

Form FCC 601, Schedule H, is a supplementary schedule for use with the FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau and/or Public Safety and Homeland Security Bureau, FCC 601 Main Form. This schedule is used to apply for an authorization to operate a radio station in the Private Land Mobile and Land Mobile Broadcast Auxiliary Radio Services, as defined in 47 CFR, Parts 90 and 74. It is also used to amend a pending application or modify an existing license in these services. Additionally, this schedule is used by auction winners that must file site-specific technical data for international coordination or for an environmental assessment of a particular site. The FCC 601 Main Form must be filed in conjunction with this schedule.

You must file technical information for each fixed location, including the antenna structures and/or each hand held/mobile transmit location, temporary fixed station location, itinerant station, or 6.1 meter control station location using FCC 601, Schedule D, Schedule for Station Locations and Antenna Structures. It is recommended that you complete Schedule D prior to completing Schedule H.

IMPORTANT INFORMATION REGARDING LOCATION, ANTENNA, AND CONTROL POINT NUMBERS: To identify existing locations, antennas, or control points, you must use the location, antenna, and control point numbers assigned by the Universal Licensing System (ULS). These numbers may not be identical to the location, antenna, and control point numbers on your current authorization if that authorization was not issued by the Universal Licensing System. If you are unsure of the location, antenna, or control point number that corresponds to a particular location, antenna, or control point, you can query the ULS for the most up-to-date information regarding your authorization. To query the ULS license database for your call sign, point your web browser to <http://wireless.fcc.gov/uls> and click on Search - Licenses. Alternatively, you may call (877) 480-3201 (TTY 717-338-2824) for assistance.

**Schedule H
Instructions**

Eligibility

Item 1 Enter the number and paragraph of the FCC Rule Section that describes the eligibility for the radio service you specified in Item 1 of the FCC 601 Main Form.

Item 2 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 the radio will be employed in this activity;
- (3) Any other information you believe will aid in a determination of your eligibility for the service requested.

Frequency Coordinator Information

Items 3-6 These items will be completed by the appropriate certified frequency coordinators for those Applicants who are required to comply with the frequency coordination requirements. Broadcast Auxiliary Applicants who have notified their local frequency coordination committee should enter the name of the frequency coordinator, telephone number, including area code, of the person contacted, and date coordinated (Item 3 may be left blank).

Item 7 Enter 'Y' if this application has been successfully coordinated. Otherwise enter 'No'.

Extended Implementation (Slow Growth)

Item 8 If you are applying for an extended implementation period in which to construct and place a system in operation or requesting a modification to an existing extended implementation schedule, enter 'Y'. Otherwise enter 'N'. If you answer 'Y' to this question, you must submit an exhibit containing a justification for the extended implementation and a detailed implementation plan. Check applicable FCC rules for eligibility for extended implementation plans (e.g., 47 CFR §§ 90.155(b) and 90.629).

Note: To modify an authorization with a regular construction period to one with an extended implementation period, you should file FCC 601 Main Form with the purpose of MD - Modification and, enter 'Y' for Item 8 of FCC 601 Schedule H, and attach supporting documentation. Do not file FCC 601 Schedule L - Waiver Request for Extension of Time for Wireless Services to request an extended implementation period.

Associated Call Signs

Item 9 List any call signs that are part of the system and licensed separately.

Broadcast Auxiliary Only

Items 10-14 apply only to the Land Mobile Broadcast Auxiliary Radio Services, LP, LV and RP.

If there is an associated Broadcast Parent station, Items 10 through 12 must be completed. If there is more than one Parent station, select one for the purpose of filing this application. Actions taken on the Broadcast Parent station identified in Item 10 will similarly affect the Broadcast Auxiliary Station (i.e., renewal, assignment of authorization, cancellation, etc.).

Item 10 If there is an associated Broadcast Parent station, enter the Facility Identification Number. This identification number is typically a 5 digit number assigned by the FCC's Media Bureau. This is **not** the Call Sign of the Parent station.

Item 11 Enter the Radio Service Code of the Broadcast Parent station. The Parent Station Radio Service Code must be AM, FM or TV.

Item 12 Enter the City and State of the Parent Station's principal community.

Items 13-14 If there is no associated Broadcast parent station, enter the appropriate code for the Applicant and the State of primary operation.

B - Broadcast Network Entity
C - Television Cable Operator
M - Motion Picture Producer
T - Television Producer

Control Points

This section must be completed for a primary control point. If you are adding a new control point, complete all items in this section for each control point to be added. If you are modifying a control point, in addition to Items 15 and 16, complete only the items that have changed for each control point. If you are deleting a control point, only Items 15 and 16 are required. Control points that are currently licensed under this call sign by the FCC will continue to be shown on the authorization as is, unless a specific action is requested in this section.

Item 15 This item indicates the action the filer wants the FCC to take on the specified control point. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Item 16 Enter the FCC-assigned control point number (see Important Information Regarding Location, Antenna, and Control Point Numbers on page 1 of these instructions). For a new control point, assign a temporary code to represent the control point. The assigned code should begin with C to indicate it as a control point and end with a number to uniquely identify it (e.g., C1, C2, C3, etc.). The FCC will assign an official number to the new control point, which will appear on the Authorization and in the ULS database.

Item 17 Enter the street address, city or town, county/borough/parish or equivalent entity, and state of the control point. Refer to FCC Main Form Instructions, Appendix II, for a list of valid state, jurisdiction, and area codes.

Item 18 Enter the telephone number (including area code) where a person responsible for operation of the control point could be reached.

Antenna Information

This section is for fixed stations (Schedule D Item 3 = FX) and must be completed only when antenna information is to be added, modified, or deleted. If you are adding a new antenna, complete Items 19-23 for each antenna to be added. If you are modifying an existing antenna, in addition to Items 19, 20, and 21, complete only the items that have changed for the antenna. If you are deleting an antenna, only Items 19, 20, and 21 are required. Antennas that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section. All stations proposing to operate on frequencies below 27.5 MHz **MUST** complete Items 19-27 if the filing is for a new Authorization. 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 Items 24-27 if you believe that the assumptions listed would leave your station insufficiently protected. If so, provide the actual data on which interference protection should be based. 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. This is especially important for stations proposed to be operated in any of the counties/boroughs listed in Appendix I of the FCC 601 Main Form instructions.

Item 19 This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Item 20 For each antenna, enter its corresponding location number, as entered on Schedule D Item 2. If the location has been previously licensed under this call sign by the FCC, enter the FCC-assigned location number (see Important Information Regarding Location, Antenna, and Control Point Numbers on page 1 of these instructions). Otherwise, enter the code assigned on Schedule D to represent the location. Refer to the instructions for Schedule D for more information on assigning location numbers.

Item 21 If the antenna has been previously licensed under this call sign by the FCC, enter the antenna's FCC-assigned number (see Important Information Regarding Location, Antenna, and Control Point Numbers on page 1 of these instructions). Otherwise, enter a temporary code to represent each antenna. The assigned code should begin with an A to indicate it is an antenna and end with a number to uniquely identify it (e.g., A1, A2 and A3). A single location can have multiple antennas. Antenna numbers need only be unique within each location. The FCC will assign an official number to the new antenna, which will appear on the Authorization and in the ULS database.

Note: Location number (Item 20) and antenna number (Item 21) are used to associate information in the Antenna Information Section with information in the Frequency Information Section. To do this, enter the necessary technical information into the Antenna Information Section using the appropriate location number and antenna number. Then, enter the necessary technical information in Frequency Information Section for that antenna, using the same location number/antenna number pair. Each antenna specified in the Frequency Information Section must have corresponding data in the Antenna Information Section.

Item 22 This is not required for Land Mobile Broadcast Auxiliary Radio Services. For operations in 150-174 MHz, 220-222 MHz, 450-512 MHz, 851-869 MHz and 935-940 MHz, enter the height of the antenna above ground elevation for the average terrain. Enter this item in meters, rounded to the nearest tenth. See the applicable rules for instructions for computing the height above average terrain for the antenna. Applicants applying on frequencies not mentioned in this paragraph may omit this item.

Item 23 Enter the overall height above ground 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). Enter this item in meters, rounded to the nearest tenth.

Item 24 Enter the angle in the horizontal plane of the transmitting antenna main lobe measured clockwise with respect to True North (degrees) or enter '360' to indicate the transmitting antenna is omni-directional.

Item 25 For directional antennas, enter the total angle (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. For omnidirectional antennas, enter '360.0'. This information should be available from the specification sheet included with the antenna at time of purchase.

Item 26 Enter one of the following code letters to represent the polarization of the transmitting antenna:

- 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 in an attachment)

Item 27 Enter the ratio (decibels) of the power required at the input of a 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 time of purchase.

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 in the Antenna Section. 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 by the FCC unless otherwise stated:

Item 24 - **Antenna Azimuth of Main Lobe.** The FCC will report each base or mobile relay station as having an omnidirectional (360⁰) azimuth. It will also be assumed 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.

Item 25 - **Beamwidth.** Where an omnidirectional antenna is assumed, beamwidth has no relevance, and therefore, no assumed value will be used. For control stations, 20 percent will be assumed.

Item 26 - **Antenna Polarization.** All stations will be reported as having antennas with vertical polarization.

Item 27 - **Antenna Gain.** The antenna gain for all stations will be assumed to be 6 dB.

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, it is assumed 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 is assumed to be the area of operation of the associated mobile stations. For a control station transmission, it is assumed that the location of the associated mobile relay station is the location of the receiver.

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 Telecommunications Union, Geneva, Switzerland, and to countries which border on or 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', or in the State of Alaska east of Line 'C'. Refer to the Commission's rules for a detailed explanation of Lines A and C. Appendix I in FCC 601 Main Form Instructions contains a list of counties/boroughs, by state, having areas North of Line A and 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 borders.

Note: If you are adding a 6.1 Meter (20 foot) Control Station criteria that requires greater than 5 watts output power/ERP for operations in regions North of Line 'A' or in Alaska East of Line 'C', on Form 601 Schedule D, complete all required items for the control station as if adding a fixed station location.

Frequency Information

This section must be completed only when frequencies are to be added, modified, or deleted. If you are adding a new frequency, complete all items for each frequency to be added. If you are modifying a frequency (*i.e.*, changing from one operating frequency to a different operating frequency), enter the existing and new frequencies in the appropriate boxes in Item 31. If you are modifying attributes of an existing frequency, in addition to Items 28 through 32, complete only the items that have changed for the frequency. In order to modify an Emission Designator (Item 37), complete Items 28-32, specifying the appropriate location number, antenna number, frequency, and station class code, and list **all** active emission designators now associated with the specified location, antenna, frequency, and station class (complete as many rows as necessary, listing emission designators in Item 37). If you are deleting a frequency, only Items 28 through 31 are required. Deleting a frequency will delete all station classes for that frequency. To delete a station class from a frequency, complete Items 28-32. Frequencies and station classes that are currently licensed under this call sign by the FCC will continue to be shown on the Authorization as is, unless a specific action is requested in this section.

Enter frequency information for each antenna specified in the Antenna Information Section. For multiple frequency lines, repeat the location number/antenna number combination for each frequency. For example:

<u>Location Antenna Frequency (MHz)</u>		
L1	A1	XXX.XXXX
L1	A1	YYY.YYYY
L1	A1	ZZZ.ZZZZ
L1	A2	AAA.AAAA
L1	A2	BBBBB.BBBB
L2	A1	CCCCC.CCCC
L2	A1	DDDDD.DDDD

(Note: Frequency bands should be shown in same block, for example 806 – 821, (carrier/assigned) 2326 – 2327.4.)

Item 28 This item indicates the action the filer wants the FCC to take on the specified antenna. Enter 'A' for Add, 'M' for Modify, or 'D' for Delete.

Item 29 For each antenna, enter its corresponding location number, as entered in Item 20 of the Antenna Information Section of this Schedule.

Item 30 For each antenna, enter its corresponding antenna number, as entered in Item 21 of the Antenna Information Section of this Schedule.

Item 31 To add frequencies on an antenna at a location, enter the specific frequencies in Megahertz in the column labeled 'New'. The requested frequencies 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 (the exceptions being that 800 MHz SMR mobile and control stations are now designated by frequency range 806-821 and 900 MHz SMR mobile and control stations are now designated by frequency range 896-901). Low Power Broadcast Auxiliary Applicants should refer to Rule Section 74.802 for a complete and accurate listing of the acceptable frequency ranges.

To modify a frequency on an antenna at a location, you must complete Items 28-30 and enter the existing frequency in the column labeled 'Existing' and enter the new frequency in the column labeled 'New'.

Item 32 Enter the appropriate station class code from the following table. Definitions for most of these items are listed in the Commission's rules.

Note: Where appropriate, follow each code with 'T' for Temporary, 'I' for Itinerant, 'S' for Standby, 'A' for Airport Terminal Use, 'C' for Interconnect, 'J' for Temporary Interconnect, 'K' for Standby Interconnect, or 'L' for Itinerant Interconnect. For example, FBT means Temporary Base. (NOTE: MO, MO3, MO6, MO7, MO8 & FXO use the alpha character "O").

Base.....	FB
Mobile Relay	FB2
Community Repeater	FB4
Private Carrier (Profit)	FB6
Private Carrier (Nonprofit)	FB7
Centralized Trunked Relay.....	FB8
Control	FX1*
Mobile	MO
Mobile/Vehicular Repeater	MO3
Private Carrier Mobile Operation (Profit).....	MO6
Private Carrier Mobile Operation (Non-profit).....	MO7
Centralized Trunked Mobile	MO8
Operational Fixed.....	FXO
Fixed Relay	FX2
Fixed	FX**
Radiolocation Land	LR
Radiolocation Weather Radar	WDX
Radiolocation Mobile.....	MR
Secondary Fixed Signaling	FX3

*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.

Item 33 Enter the number of actual transmitting units at each station.

Normally, only one transmitter (base, mobile relay, etc.) is associated with station classes that indicate operation at a permanent/fixed location. Therefore, for these station classes, the number 1 should usually be entered. However, if more than one transmitter is placed at the same location, then enter the appropriate number.

For transmitters associated with station classes that indicate mobile operation, enter the total number of mobile units. The total number of mobile units is normally the sum of vehicular, portable, aircraft, and marine units that will be placed in operation at the time of grant plus the units for which purchase orders have been signed and will be in use prior to the end of the station's construction period. Some exceptions are provided for in the rules, which should be noted.

Note: Paging receivers should not be counted as mobile units. These receivers should be listed separately in Item 34.

Item 34 Enter the number of paging receivers in this system.

Item 35 For operations using the emissions NON, A1A, A2D, A3E, A9W, F1B, F2D, F3E, and F9W -- enter the mean RF output power (watts) normally supplied by the transmitter to the antenna feedline. Enter Output Power for transmitter when operating with single sideband (A3J or new J3E) emission; enter the peak envelope power (watts). (See the applicable rules.)

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

Item 36 This information is required for operations above 10 MHz from Applicants requesting new station authorizations and for modifications as described in the applicable rules.

Enter the Effective Radiated Power (ERP). The ERP is the transmitted output power times the net gain of the antenna system. This 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 of (net gain in dB divided by 10)

Item 37 Enter the emission designator 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. These are samples only and do not necessarily represent an emission for which you should apply.

	Old	New
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
Frequency modulated voice (12.5 KHz channel)		11K3F3E

**Technical Data Schedule for the
Private Land Mobile and Land Mobile Broadcast Auxiliary
Radio Services (Parts 90 and 74)**

Eligibility

1) Rule Section: Part 90	2) Describe Activity: APPLICANT IS A GOVERNMENT AGENCY, RADIO SYSTEM WILL BE USED TO COORDINATE PUBLIC SAFETY AND COMMUNITY ACTIVITIES
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Frequency Coordinator Information (if not self-coordinated)

3) Frequency Coordination Number	4) Name of Frequency Coordinator	5) Telephone Number	6) Coordination Date
7) Has this application been successfully coordinated?			(<input type="checkbox"/>) <u>Yes</u> / <input type="checkbox"/> <u>No</u>

Extended Implementation (Slow Growth)

8) Are you requesting a new or modified extended implementation plan? If 'Yes', attach an exhibit with a justification and a proposed station construction schedule.	(<input type="checkbox"/>) <u>Yes</u> / <input type="checkbox"/> <u>No</u>
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Associated Call Signs (Attach additional sheets if required)

9) WPMJ575	WQBH267			

Broadcast Auxiliary Only

If there is an associated Parent Station, complete Items 10-12.	10) Facility Id of Parent Station:	11) Radio Service of Parent Station:	12) City and State of Parent Station Principal Community:
13) If there is no associated parent station, this Applicant is a: (<input type="checkbox"/>) <input type="checkbox"/> Broadcast Network Entity <input type="checkbox"/> Television <input type="checkbox"/> Cable Operator <input type="checkbox"/> Motion Picture Producer <input type="checkbox"/> Television Producer			14) State of Primary Operation:

Control Point(s) (Other than at the transmitter) (Attach additional sheets if required)

15) Action A/M/D	16) Control Point Number	17) Location Street Address, City or Town, County/Borough/Parish, State	18) Telephone Number

A	1	1	Existing (if mod)	New 854.36250	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 853.81250	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 852.26250	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 852.70000	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 853.28750	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 853.55000	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 853.71250	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 851.90000	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 859.73750	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 851.98750	FB2	1	0	100	500	20K0F9W
A	1	1	Existing (if mod)	New 858.73750	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 854.36250	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 853.81250	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 852.26250	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 852.70000	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 853.28750	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 853.55000	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 853.71250	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 851.90000	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 859.73750	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 851.98750	FB2	1	0	100	500	20K0F9W
A	2	1	Existing (if mod)	New 858.73750	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 854.36250	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 853.81250	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 852.26250	FB2	1	0	100	500	20K0F9W

A	3	1	Existing (if mod)	New 852.70000	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 853.28750	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 853.55000	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 853.71250	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 851.90000	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 859.73750	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 851.98750	FB2	1	0	100	500	20K0F9W
A	3	1	Existing (if mod)	New 858.73750	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 854.36250	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 853.81250	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 852.26250	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 852.70000	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 853.28750	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 853.55000	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 853.71250	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 851.90000	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 859.73750	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 851.98750	FB2	1	0	100	500	20K0F9W
A	4	1	Existing (if mod)	New 858.73750	FB2	1	0	100	500	20K0F9W
A	5	1	Existing (if mod)	New 809.36250	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 808.81250	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 807.26250	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 807.70000	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 808.28750	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 808.55000	MO	1100	0	35	62	20K0F9W

A	5	1	Existing (if mod)	New 808.71250	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 806.90000	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 814.73750	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 806.98750	MO	1100	0	35	62	20K0F9W
A	5	1	Existing (if mod)	New 813.73750	MO	1100	0	35	62	20K0F9W
A	6	1	Existing (if mod)	New 809.36250	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 808.81250	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 807.26250	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 807.70000	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 808.28750	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 808.55000	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 808.71250	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 806.90000	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 814.73750	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 806.98750	FX1	60	0	35	44	20K0F9W
A	6	1	Existing (if mod)	New 813.73750	FX1	60	0	35	44	20K0F9W