



# CARROLL COUNTY, MARYLAND

## FACILITY LOCATION ANALYSIS APPLICATION

For Official County Use Only

Date received by the County: \_\_\_\_\_

Date accepted by the County after location analysis  
is deemed complete and accurate: \_\_\_\_\_

*This application is submitted in accordance with Section 223-15 C (6) (a) [1]-[7] and Section 223-15 C (10) (a)-(e) of the Code of Public Local Laws and Ordinances of Carroll County and must address the requirements found therein.*

**Should information submitted in this application be found to be incorrect or incomplete, the application shall be considered null and void until all such data is properly and correctly submitted.**

**The county reserves the right to require that the applicant provide additional information as the county may reasonably request. The applicant agrees to cooperate with the county in supplying such additional information as requested.**

**If an FFA determination is required it must be obtained prior to submittal of County application and included with the application. If an FFA determination is not necessary include such a statement in the Application Summary.**

**If the property where the facility is to be constructed is zoned "ag" or "conservation", this application will not be processed unless the applicant has simultaneously applied to the board of zoning appeals for a hearing for a conditional use permit.**

Applicant Name: \_\_\_\_\_

Title: \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

Company Name: \_\_\_\_\_

Complete Street Address, City, State, ZIP Code: \_\_\_\_\_

I understand and agree to reimburse the County for all expenses related to this application.

Applicant signature: \_\_\_\_\_

Representing (carrier name): \_\_\_\_\_

Contact name: \_\_\_\_\_

Complete Street Address, City, State, ZIP Code: \_\_\_\_\_

Phone: \_\_\_\_\_ FAX: \_\_\_\_\_ E-mail: \_\_\_\_\_

## **Application Summary**

Provide a brief description of the proposed installation, including the location, the type and height of the supporting structure, (i.e., monopole, rooftop, water tank, etc.), whether it is existing, modified (proposed) or new, and the number of proposed antennas. Provide a technical description of the need for the site including the coverage objective: \_\_\_\_\_

## **Site / Property Information**

Land Owner Name: \_\_\_\_\_  
Site Street Address, City, State, ZIP Code \_\_\_\_\_  
Property tax map# \_\_\_\_\_, block# \_\_\_\_\_, parcel# \_\_\_\_\_, lot# \_\_\_\_\_

I understand and agree to what is proposed in this application.

Property Owner Signature: \_\_\_\_\_

## **Support Structure Information**

Structure Type: Monopole:  Lattice Tower  Building  Other (describe): \_\_\_\_\_  
Structure Height (AGL): \_\_\_\_\_ (ft) Site Elevation (AMSL): \_\_\_\_\_ (ft)  
Latitude/ Longitude (in decimal degrees): Lat: \_\_\_\_\_ Long: \_\_\_\_\_  
FCC Antenna Structure Registration # (if applicable): \_\_\_\_\_  
Name of Owner of the supporting structure: \_\_\_\_\_  
Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Complete Street Address, City, State, ZIP Code: \_\_\_\_\_

## **FCC and FAA Rules & Regulations**

Will the antenna installation be in compliance with the maximum permissible RF exposure limits set forth in Sec.1.1310 of the FCC Rules and Regulations? Yes  No

If no, please attach an explanation.

Type of compliance study required under Sec. 1.1307 of the FCC Rules and Regulations:

- Categorically Excluded
- Routine Environmental Evaluation
- Environmental Assessment

State if an application for an FAA review has been submitted; \_\_\_\_\_ If an FAA determination for the site has been issued, attach a copy.

## **Antenna Information**

Type:  OMNI  PANEL  DISH  OTHER (specify): \_\_\_\_\_

**For each antenna type provide:**

Manufacturer: \_\_\_\_\_ model number (s) \_\_\_\_\_

Frequencies to be used: Tx: \_\_\_\_\_ Rx: \_\_\_\_\_

Antenna Size: H \_\_\_\_\_ " W \_\_\_\_\_ " D \_\_\_\_\_ "

Maximum Effective Radiated Power (ERP): \_\_\_\_\_

Provide the name of a contact person for any questions regarding the application or the engineering information contained therein.

Name: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail address: \_\_\_\_\_ Address: \_\_\_\_\_

Applicant's signature: \_\_\_\_\_

Identification and signature of any co-applicant: \_\_\_\_\_

## **Required Attachments:**

1. Submit an original and five (5) copies of a completed Location Analysis Application and all attachments along with a check for \$7,500 made payable to "Commissioners of Carroll County."

Submit payment and application to:

Carroll County Bureau of Development Review  
Room 201  
County Office Building  
225 North Center Street  
Westminster, Maryland 21157

Electronic filings of applications or submissions in response to requests for additional information to complete an application will not be accepted.

2. If the applicant is not a carrier, attach a letter of intent from a carrier specifying when it proposes to attach antennas to the structure.

3. Provide a legible detailed site plan including a vicinity map, the location of the proposed structure in relation to surrounding ~~major~~ roadways, adjacent properties, the zoning of the adjacent properties, and distance from the nearest residence, school, church, or health care facility on the adjacent properties. Provide a list (name and addresses) of all adjoining property owners to this location.

4. Provide 11" x 17' size site plans that show an elevation drawing of the structure and an overhead view of the structure on the property and detailed drawings of the equipment area and structure. Drawings should include the location of proposed buildings, equipment cabinets, or shelters, distances from the structure to property lines and any to the nearest off-site dwelling, (clearly identify proposed facilities and locations for future co-locators on the structure and ground at the site). Show the zone for all adjacent properties.

5. Provide RF contour maps of the service area illustrating, in color, current coverage with existing sites, with and without the proposed antennas and with antennas at an elevation of 20 feet and 40 feet lower than proposed. Include maps illustrating the calculated coverage from the site alone and with antennas at those three elevations. Illustrate signal levels in colors representing the target signal level and at least plus and minus 5 dB. Include a legend indicating colors and corresponding signal levels. Specify the target levels for the site. Identify the antenna elevations upon which the model is based. The maps must be legible and in sufficient detail to show at least the primary roads and major highways.

6. All engineered plans submitted with applications need to be sealed and signed by the professional engineer who prepared the original or revised plans. The Maryland State Code requires that any

engineered plans submitted to a public authority have the Maryland professional engineer's seal and signature on the plans.

7. Provide a listing, by name and address, of alternative existing structures within a one-mile radius from the proposed site that were considered in lieu of the new support structure, along with a detailed explanation as to why these structures could not be used to accommodate the antennas. If the alternative structure(s) were ruled out for RF or other engineering reasons, explain the reason and include supporting RF maps in the same format described above which demonstrate why the alternatives could not be used. If there were non-RF reasons why those alternatives would not work, provide an explanation as to why they could not be used. If an existing alternative is ruled out for structural reasons provide a copy of a structural analysis report stating that the structure cannot even with modifications accommodate the proposed antennas. Include a statement as to if a distributed antenna system or other similar alternative is an available option and if so why it was not considered in lieu of a new tower or structure. Do not rely on a foundation of knowledge. Explain your case thoroughly.

8. Show proof that drive tests, balloon tests, or other similar methods of analysis were used in selecting this site or rejecting an alternative site. Attach a copy of the RF contour map illustrating the drive test measurements or, for balloon tests, attach copies of the photos showing the balloon and photo simulations of the structure proposed, along with a map showing from where each photo was taken and the approximate distance from the proposed structure.

9. State what considerations were given to screening the site and minimizing the visual impact of the proposed structure, including any disguise options such as a flag/tree/light pole design, low-profile antenna attachment consideration, concealed/painted antennas, or other such designs and, if not used, why they were not used.

10. Provide a description of the geologic or topographic issues (i.e. hills, valleys, vegetation or trees, etc.) affecting selection of this site.

11. Provide a description and specifications of the antennas and support structure proposed to be used. State how many additional carriers may be accommodated on the facility.

12. Unless previously submitted within the last 12 months, attach a copy of the Maryland State Highway Administration base map showing all of the carrier's existing and all planned sites to be constructed within the next 12 months in Carroll County or within one-mile of the County border. Include an RF contour map showing the coverage from each location. Also include a listing of each site including the site name, address, type of support structure (e.g. an existing 90'-high building, a 150'-high monopole, 250'-high lattice tower, etc.).