Proposed Antennas are Exempt from FAA Notification (Response to Question E20)

The two 13.2 meter and one 8.1 meter antennas proposed in this application are exempt from notification to the FAA under Section 17.14(a) of the FCC's rules, 47 C.F.R. §17.14(a). See also 47 C.F.R. § 25.113(c). Hughes has selected the locations for each of the antennas proposed in this application, and in each case, the antenna structure (including pedestal) will be shielded by existing structures of a permanent and substantial character. In several of the cases, there are several FCC-licensed earth station antennas located in the teleport or antenna farm that are at heights above ground level that are comparable to or greater than the height above ground level of the antenna proposed in the instant application. In addition, as verified by the attached outputs from the FCC's TOWAIR database, for each earth station site specified, there are either (1) no airports within 8 km (5 miles) of the coordinates specified (Riverside) or (2) the nearby airports are below the 100 to 1 pass slope of the sites (Germantown and Cheyenne), and thus the structures do not require registration under Section 17.7(b) of the FCC's rules, (47 C.F.R. §17.7(b)). Under these circumstances, it is evident that the proposed antenna will not adversely affect safety in air navigation.

TOWAIR Determination Results

A routine check of the coordinates, heights, and structure type you provided indicates that this structure does not require registration.

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 6320.63 MTRS (6.32059 KM) AWAY

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	39-10-19.00N	077-10-19.00W	MONTGOMERY COUNTY AIRPARK	MONTGOMERY GAITHERSBURG, MD	150.4	1280.8

Your Specifications

NAD83 Coordinates

Latitude	39-10-45.2 north
Longitude	077-14-40.2 west

Measurements (Meters)

Overall Structure Height (AGL)	13.2
Support Structure Height (AGL)	1.7
Site Elevation (AMSL)	129.4

Structure Type

LTOWER - Lattice Tower

Tower Construction Notifications
Notify Tribes and Historic Preservation Officers of your plans to build a tower.

CLOSE WINDOW

TOWAIR Determination Results

A routine check of the coordinates, heights, and structure type you provided indicates that this structure does not require registration.

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

PASS SLOPE(100:1)NO FAA REQ - 4905.0 Meters (16092.3 Feet)away & below slope by 86.0 Meters (282.149 Feet)

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	41-09-15.00N	104-47-16.00W	CHEYENNE RGNL/JERRY OLSON FIELD	LARAMIE CHEYENNE, WY	1857.6	2825.5

PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 6413.90 MTRS (6.41389 KM) AWAY

Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	41-08-57.00N	104-48-37.00W	CHEYENNE RGNL/JERRY OLSON FIELD	LARAMIE CHEYENNE, WY	1857.6	2825.5

Your Specifications

NAD83 Coordinates

Latitude	41-07-54.4 north
Longitude	104-44-14.7 west

Measurements (Meters)

Overall Structure Height (AGL)	8.1
Support Structure Height (AGL)	0.3
Site Elevation (AMSL)	1812.5

Structure Type

LTOWER - Lattice Tower

Tower Construction Notifications
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CLOSE WINDOW

TOWAIR Determination Results

*** NOTICE ***

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DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications

NAD83 Coordinates	
Latitude	33-47-45.7 north
Longitude	117-05-20.3 west
Measurements (Meters)	
Overall Structure Height (AGL)	13.2
Support Structure Height (AGL)	1.7
Site Elevation (AMSL)	565.4
Structure Type	
LTOWER - Lattice Tower	

Tower Construction Notifications
Notify Tribes and Historic Preservation Officers of your plans to build a tower.

CLOSE WINDOW