



Federal Aviation Administration  
Air Traffic Airspace Branch, ASW-520  
2601 Meacham Blvd.  
Fort Worth, TX 76137-0520

Aeronautical Study No.  
2007-ANM-2320-OE

Issued Date: 08/21/2007

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**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

|            |  |
|------------|--|
| Structure: | Antenna Tower KZMT tower on Building                                       |
| Location:  | Helena, MT   |
| Latitude:  | 46-35-12.40 N NAD 83   |
| Longitude: | 112-2-17.40 W  |
| Heights:   | 115 feet above ground level (AGL)<br>4236 feet above mean sea level (AMSL) |

This aeronautical study revealed that the structure does exceed obstruction standards but would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

This aeronautical study included evaluation of a 115 foot AGL structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect this existing height and the most current coordinates/elevation as indicated in the above description.

A copy of this determination will be forwarded to the Federal Communications Commission if the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (907) 271-5863. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2007-ANM-2320-OE.

**Signature Control No: 529021-100609070**

(EBO)

Robert van Haastert  
Specialist

Attachment(s)  
Frequency Data  
Map(s)

cc: NACO w/map

Frequency Data for ASN 2007-ANM-2320-OE

| <b>LOW<br/>FREQUENCY</b> | <b>HIGH<br/>FREQUENCY</b> | <b>FREQUENCY<br/>UNIT</b> | <b>ERP</b> | <b>ERP<br/>UNIT</b> |
|--------------------------|---------------------------|---------------------------|------------|---------------------|
| 949                      | 949                       | MHz                       | 56.4       | dBm                 |
| 946                      | 946                       | MHz                       | 56.4       | dBm                 |

TOPO Map for ASN 2007-ANM-2320-OE

