



Mail Processing Center  
Federal Aviation Administration  
Southwest Regional Office  
Obstruction Evaluation Group  
10101 Hillwood Parkway  
Fort Worth, TX 76177

Aeronautical Study No.  
2017-ACE-2410-OE  
Prior Study No.  
2003-ACE-310-OE

Issued Date: 07/08/2018

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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 S16th 240 foot  
Location: St Joseph, MO  
Latitude: 39-45-02.88N NAD 83  
Longitude: 94-50-25.83W  
Heights: 973 feet site elevation (SE)  
260 feet above ground level (AGL)  
1233 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:

As a condition to this Determination, the structure should continue to be marked/lighted utilizing a med-dual system.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

See attachment for additional condition(s) or information.

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 except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, 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 includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

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 structure that exists at this time. Action will be taken to ensure aeronautical charts are updated to reflect the most current coordinates, elevation and height as indicated in the case description.

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

This determination cancels and supersedes prior determinations issued for this structure.

If we can be of further assistance, please contact our office at (816) 329-2508, or [vee.stewart@faa.gov](mailto:vee.stewart@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2017-ACE-2410-OE.

**Signature Control No: 331000526-369550778**

( EBO )

Vee Stewart  
Specialist

Attachment(s)  
Additional Information  
Frequency Data  
Map(s)

cc: FCC

## Additional information for ASN 2017-ACE-2410-OE

### Abbreviations:

AGL, Above Ground Level

CFR, Code of Federal Regulations

NM, Nautical Mile

The existing structure is located approximately 3.44 NM east of the Airport Reference Point for the Rosecrans Memorial Airport (STJ), St Joseph, MO. It is identified as exceeding the obstruction standards of 14 CFR Part 77 as follows as applied to STJ:

Section 77.17(a)(2): A height that is 200 feet AGL, or above the established airport elevation, whichever is higher, within 3 nautical miles of the established reference point of an airport, excluding heliports, with its longest runway more than 3,200 feet in actual length, and that height increases in the proportion of 100 feet for each additional nautical mile from the airport up to a maximum of 499 feet. It exceeds by 16 feet.

The FAA will continue to accommodate the existing structure at the current AGL height.

Frequency Data for ASN 2017-ACE-2410-OE

<b>LOW FREQUENCY</b>	<b>HIGH FREQUENCY</b>	<b>FREQUENCY UNIT</b>	<b>ERP</b>	<b>ERP UNIT</b>
460	460	MHz	200	W



