

## **K259AF Comprehensive Engineering Exhibit**

This proposal is for increasing power to 250 watts ERP the presently licensed facility of K259AF as a fill-in translator for KFYZ(AM).

This proposal is fully spaced with no contour overlap.

This proposal qualifies as a fill-in for KFYZ, see Map 1 below which demonstrates contour encompassment for fill-in qualification.

No ASR is required. The K259AF antenna is pole mounted to an existing building and no changes are required to implement this proposal. Below as Figure1 is an image of the licensed antenna which is proposed for use in this application. The height from ground level to the roof of the building where the pole is mounted is 125.3 ft. above ground; the pole extends 13 ft. above this roof. The FCC program "Tower" has been utilized to determine that registration is not required of this structure, see Figure 2 below.

The applicant will take power density measurements prior to filing of an application for license, demonstrating compliance with 47 CFR 1.1306, at present the rooftop is a controlled area.

Map 1.

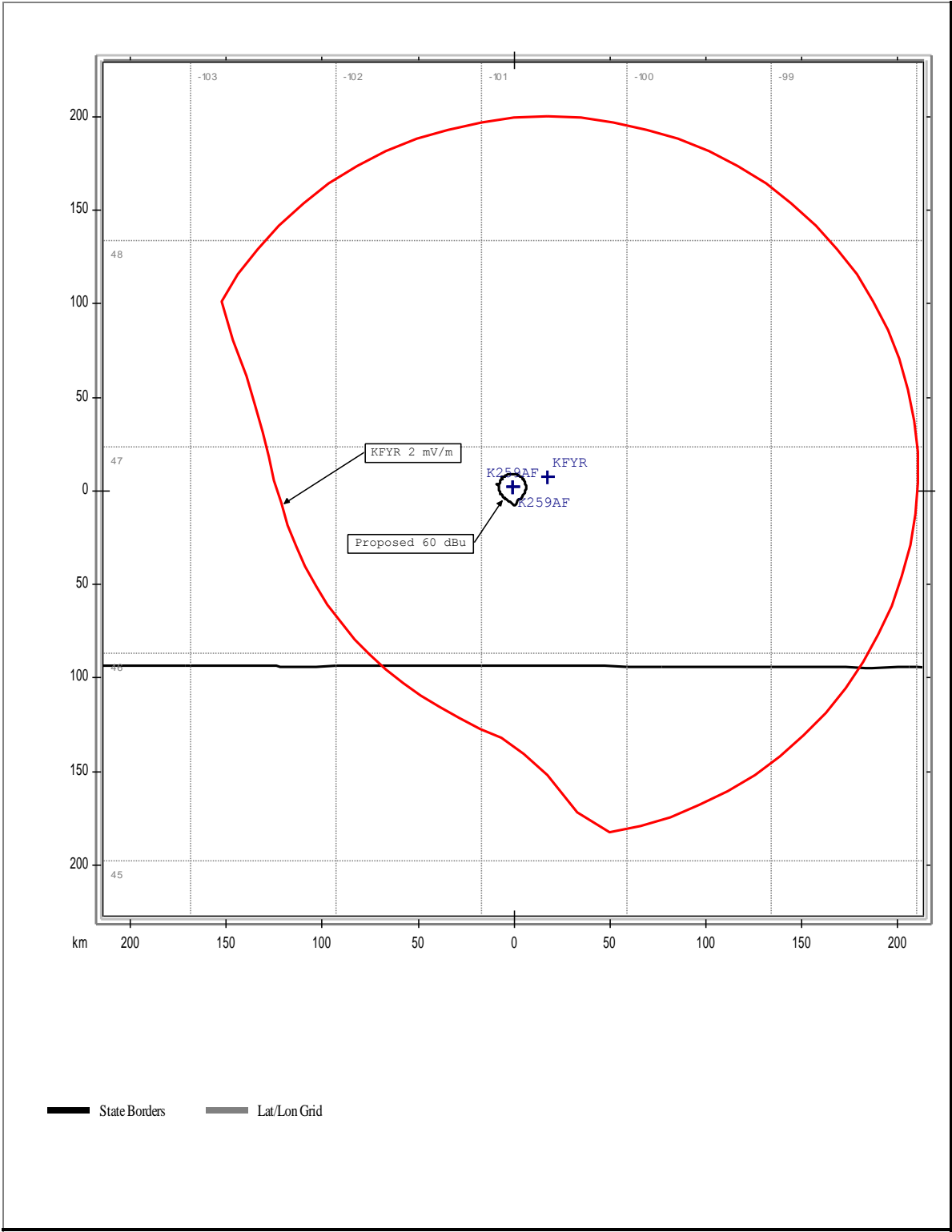


Figure 1.



Figure 2.

TOWAIR Search Results - Windows Internet Explorer

http://wireless2.fcc.gov/UlsApp/AsrSearch/towairResult.jsp?printab

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TOWAIR Search Results

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## TOWAIR Determination Results

**\*\*\* 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	
Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria.	
Your Specifications	
NAD83 Coordinates	
Latitude	46-48-20.0 north
Longitude	100-47-06.5 west
Measurements (Meters)	
Overall Structure Height (AGL)	42.2
Support Structure Height (AGL)	38.2
Site Elevation (AMSL)	511.1
Structure Type	
BPOLE - Building with Pole	

[Tower Construction Notifications](#)  
Notify Tribes and Historic Preservation Officers of your plans to build a tower.

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