

# Exhibit 1A

## Engineering Statement

The proposed application is being tendered under the AM Revitalization window for class A and B AM station. KZER is a Class B Am station operating at 2500 watts day, 1000 watts night. The addition of a 90 watt directional translator is being proposed. The translator that is being moved is K271CA, Oxnard, Ca. The proposed frequency that the translator will operate on is channel 293D 106.5 MHz. The proposed translator will be mounted at 65 meters on the KZER South tower. The coordinates of this tower are 34-25-04.0 -119-49-05.5. The antenna will be a Scala CL-FM Vertically polarized antenna with an ERP of 90 watts in the maximum.

The transmission line will be Iso-coupled onto the existing broadcast tower. The AM facility is a DA-2 directional array 2 Tower Day and night facility. The addition of an FM antenna will require measurements to demonstrate that the Day and Night pattern of KZER has not been effected by the addition of the translator facility. Documentation for this will be provided after the translator installation is completed.

The following exhibits are included:

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|-------------|---|
| Exhibit 1A  | Engineering Statement   |
|             | A description of the proposed modifications   |
| Exhibit 10A | Qualification Map   |
|             | A map showing that the translator is compliant with the 2mv and 40Km contours of KZER   |
| Exhibit 10B | A map showing that the translator used was within 400Km of KZER   |
| Exhibit 12A | Spacing Study   |
|             | A study showing the translator meets 74.1204 with no short spacing.   |
| Exhibit 12B | Spacing Map   |
|             | A map showing all of the relevant contours and the interference contours of the proposed translator interference contours.                          |
| Exhibit 13A | A waiver request, if required, for 2 <sup>nd</sup> 3 <sup>rd</sup> adjacency overlaps   |
| Exhibit 13B | A Contour Map showing the proposed translator 100dBu interference contour for the 2 <sup>nd</sup> and 3 <sup>rd</sup> adjacent interference issues. |

Exhibit 17      ANSI Human Radiation Exposure Study

A statement showing that because the proposed translator is under 100 watts, it is exempt from requiring a showing of ANSI compliance. Although it does meet requirement.

The proposed facility will move from channel 271 to channel 293 with a power of 90 watts ERP directional at 65 meters AGL. The antenna will be orientated with a maximum at 30 degrees. It will be completely with-in the primary stations 2mv and 40Km contours and will be fully spaced to all FM facilities.

Respectfully,

Lynden L. Williams  
Engineering Consultant