

Exhibit 1

Engineering Statement

The following application is a minor modification of CP BNPH-20130724AED, Greenfield California. The CP is owned by Lazer Broadcasting. The facility is for Channel 254A. The current CP is for a location that is no longer available to Lazer Broadcasting. Lazer has purchase most of the equipment to build this facility, and was ready to construct when it found itself in a position that requires immediate relocation so that the facility can be built with-in the allotted time of the CP. Expedited Processing has been requested.

The current CP is for a coordinates of 36-27-51 121-17-52. This application is proposing to move the facility to another tower located less than a quarter mile from the current CP at a coordinates of 36-27-34.2 121-17-54.8. The tower is owned and operated by Crown Castle. The Tower Registration is 1234777.

The facility will operate with a power of 2500 watts Vertical and Horizontal with a center of radiation of 417.6 meters AMSL. The Antenna will be a 4 bay $\frac{1}{2}$ wave spaced antenna with a Center of Radiation 43 meters above the ground. The HAAT of antenna is 89 meters using the FCC's calculation utility with the FCC model and calculating with 8 radials.

The following Exhibits are included in this application:

Exhibit 1 This Engineering Statement

Exhibit 27A A Spacing Study

The spacing study demonstrates that the proposed CP Modification will be fully space to all stations except KLOQ Winton CA., and KUFX San Jose CA. These two stations are protected under 73.215.

Exhibit 27B A Spacing Study Map

This is a map showing the distance contours of all the relevant stations effecting this application.

Exhibit 28A A City of License Coverage Showing

This is a contour map showing the 70dBu coverage over Greenfield, CA.

Exhibit 28B A Coverage Map

This is a coverage map showing the 60dBu Service Contour as well as the 70dBu City Contour (I know this is not required but I submitted it anyway)

Exhibit 34A Explanation of Required 73.215 Protections

Exhibit 34B Contour Protection Study Map for KUFX

This map demonstrates no interference caused or received to and from KUFX and the proposed CP Modification over land. There is overlap over the ocean, which is allowed. KUFX was modeled in the study as a maximum facility with 50Kw at 150 meters HAAT, as required.

Exhibit 34C Contour Protection Study Map for KLOQ

This map demonstrates no interference caused or received to and from KLOQ and the proposed CP Modification. KLOQ is constructed as a maximum facility with 6Kw at 100 meters HAAT.

Exhibit 35 ANSI Human Radiation Study

This is a graph showing that the radiation levels at 2 meters above ground are well below the maximum levels allowed under ANSI. An older version of the FCC program FM Model was used to make the calculations.

Respectfully,

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