

## **EXHIBIT 12A**

### **Application Modification Engineering Statement**

This is a supplemental exhibit to BNPFTB-20190321AAH, a booster for KXSB for Redlands California.

KXSB is a grandfathered short spacing to KSCA. A class B FM with a power level in excess of a full class B station. Because of this, the interference contour for the 1<sup>st</sup> adjacent channel falls well into the service area of KXSB.

The following methodology was employed in order to demonstrate that the booster will not interfere with KSCA.

First: Multiple contours were calculated for both KXSB and KSCA. From this multi-contour showing an interference free contour was established for KSCA. That interference free contour was based on the KSCA signal being 6dB greater than that of the KXSB signal. This contour is displayed on the supplemental map as a dotted line.

Second: The contour of which was closest to the above determined interference free contour was utilized to determine which contour of the proposed booster was 6dB below that of the interference free contour. The result of that determination was that the 63 dBu contour of KSCA became the relevant contour. Then a 57dBu contour was plotted to show the corresponding booster interference contour with respect to the interference free calculated contour of KSCA. This 57dBu contour from the proposed booster is almost 10Km away from the calculated KSCA interference free contour.

This demonstrates that the proposed booster will not cause any interference to KSCA and it demonstrates that the proposed booster complies with 74.1204(i) of the FCC's rules.

Respectfully,

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