

TECHNICAL STATEMENT
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)
FM BROADCAST STATION KBOS-FM (STA)
TULARE, CALIFORNIA
CHANNEL 235B

This Technical Statement was prepared on behalf of IHM Licenses, LLC, licensee of KBOS-FM, Tulare, California, in support of a request for Special Temporary Authority (STA).

In early October 2021, the “KNP Complex” wildfire destroyed the KBOS-FM transmitter site at the “Eshom Point Communications Site,” which is located in the Sierra National Forest approximately 75 km east of Fresno, CA. The KBOS-FM transmitter building and equipment were destroyed. The nearby tower of sister station, KSFO-FM, remained standing and in a condition to permit usage. This tower will be used to support the temporary antenna of KBOS-FM.

The KBOS-FM STA facility will employ a Bext model TFL3Y transmitting antenna, with a maximum directional effective radiated power of 7.5 kW (vertical polarization only). The antenna will be mounted on the KSFO-FM tower at a height of 23 m AGL. As indicated in the accompanying Predicted Coverage Contours exhibit, the predicted 60 dBu service contour of the KBOS-FM STA facility will not exceed that of the KBOS-FM main facility in any direction.

STA operations are expected to continue for at least six months until the facility can be re-built and restored to full operational capacity.



Louis R. du Treil, Jr.

du Treil, Lundin & Rackley, Inc.
5212 Station Way
Sarasota, FL 34233

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