

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TRANSLATOR STATION K45GJ-D
CARLSBAD, NEW MEXICO
CHANNEL 33 0.18 KW (MAX-DA) 1086 M AMSL

1. The instant application was prepared on behalf of KOB-TV, LLC, licensee of K45GJ-D, Carlsbad, NM, in support of a television translator displacement. The K45GJ-D facility is licensed for operation on RF Channel 45. KOB-TV, LLC was notified by letter that the 600 MHz Band wireless band licensee in the market, T-Mobile, will be commencing operations that will result in the early displacement of the K45GJ-D facility. The letter from T-Mobile is included with this application as an exhibit.

2. Due to the imminent displacement of K45GJ-D, KOB-TV, LLC respectfully requests a waiver of the Displacement Freeze to allow it to continue its operations on Channel 33. This is pursuant to the FCC's *Public Notice* providing tools available to LPTV/Translator stations displaced prior to the Special Displacement Window.* Grant of this waiver will allow K45GJ-D to continue to provide service to the public with as little disruption as possible.

3. Pursuant to the FCC's *Public Notice*, KOB-TV, LLC is also requesting operation pursuant to Special Temporary Authority (STA) for operation on Channel 33 with a facility identical to that proposed herein.

4. An interference analysis for the proposed K45GJ-D facility on Channel 33 was conducted using the FCC's *TVStudy* software. The results of this analysis are attached as an exhibit. The proposed facility meets the FCC's interference protection requirements with respect to all protected facilities.

5. It is noted that the instant application for K45GJ-D proposes a minor correction in the transmitter site location coordinates and overall height of the existing structure.† A map showing the predicted service contour for K45GJ-D is included with this application as an exhibit.

* See *Public Notice*, "Incentive Auction Task Force and Media Bureau Set Forth Tools Available to LPTV/Translator Stations Displaced Prior to the Special Displacement Window," DA 17-584, Released: June 14, 2017.

† FCC TOWAIR determination results are included as an exhibit.