

TECHNICAL SUMMARY  
APPLICATION FOR CONSTRUCTION PERMIT  
TRANSLATOR STATION K47GV-D  
LAS VEGAS, NEW MEXICO  
CHANNEL 23 0.32 KW 2207 M AMSL

1. The instant application was prepared on behalf of KOB-TV, LLC, licensee of K47GV-D, Las Vegas, NM, in support of a television translator displacement. The K47GV-D facility is licensed for operation on RF Channel 47. 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 K47GV-D facility. The letter from T-Mobile is included with this application as an exhibit.

2. Due to the imminent displacement of K47GV-D, KOB-TV, LLC respectfully requests a waiver of the Displacement Freeze to allow it to continue its operations on Channel 23. 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 K47GV-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 23 with a facility identical to that proposed herein.

4. An interference analysis for the proposed K47GV-D facility on Channel 23 was conducted using the FCC's *TVStudy* software. The results of this analysis are attached as an exhibit. Interference analysis processing with a 1 km cell size and 0.2 km terrain increment is requested. The proposed facility meets the FCC's interference protection requirements with respect to all protected facilities.

5. The proposed K47GV-D facility is to be relocated to an adjacent tower located 0.16 km distant from the licensed tower location. This is due to loss of the lease for the current location.

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\* 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.