

TECHNICAL SUMMARY
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)
TELEVISION STATION WBMM(TV)(STA)
TUSKEGEE, ALABAMA
RF CHANNEL 22 12.2 KW (MAX-DA) 321 M HAAT

1. The instant request is for Special Temporary Authority (STA) for WBMM, Tuskegee, AL, which is licensed for operation on Channel 22.*
2. The proposed STA system will be employed for use as an interim antenna to facilitate the repack of the WBMM facility from its licensed channel to Channel 18, for which it holds a construction permit.†
3. WBMM is assigned to Incentive Auction repack Phase 5, which begins on August 2, 2019. The STA is needed for operation of the interim WBMM (22) facility whilst the old antenna is replaced and WBMM service is switched over to Channel 18.
4. The WBMM STA facility will operate on Channel 22 using a broadband antenna, which is to be side-mounted on the tower below the WBMM licensed antenna. The antenna radiation center is to be located at 270.7 m AGL (447.5 m AMSL). There will be no change in the overall height of the existing structure.
5. The proposed STA antenna system has been designed such that there will be no extension of the predicted noise-limited service contour of the STA facility beyond that of the main facility. This is demonstrated in the attached Predicted Coverage Contours exhibit.

* See FCC File No. BLCDT-20090428ABH.

† See FCC File No. 0000027063.