

TECHNICAL SUMMARY

TELEVISION STATION WAPA-TV  
SAN JUAN, PUERTO RICO  
CHANNEL 27 1000 KW (H), 790 KW (V) 765 M HAAT

1. The instant application was prepared to relocate the licensed transmitting antenna of WAPA-TV to an existing adjacent tower structure, which is employed by WKAQ-TV.\* As was described in its request for Special Temporary Authority, the WAPA-TV transmitting facility was destroyed in Hurricane Maria on September 20, 2017.† WAPA-TV intends to resume its over-the-air operations on Channel 27 utilizing a new directional transmitting antenna to be side-mounted on the WKAQ-TV tower, which bears FCC Antenna Structure Registration Number 1010556. This tower is located approximately 425 meters northwest of the former WAPA-TV transmitting tower.

2. While the combination of effective radiated power (ERP) and antenna height above average terrain (HAAT) exceeds the maximum normally permitted for a UHF station, the proposal is compliant with the ‘largest station in the market’ provision of the FCC Rules. Specifically, the predicted coverage of the proposed WAPA-TV facility is within that of the licensed WAPA-TV facility, which itself is the largest station in the market.

3. The proposed WAPA-TV facility is compliant with the FCC’s minor change filing freeze requirement that there be no extension of the predicted noise-limited service contour. See Predicted Coverage Contours exhibit.

4. The instant proposal is compliant with the principal city coverage requirements of San Juan. This is illustrated in the Predicted Coverage Contours exhibit.

5. Notification to the Arecibo Observatory is not believed to be necessary since the proposal will reduce the predicted signal toward the Observatory relative to what is already licensed for WAPA-TV on Channel 27.‡

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\* WAPA-TV is licensed under FCC File No. BLCDT-20060621ACQ.

† See FCC File No. 0000030435, filed on September 29, 2017.

‡ See Section 1.924(d) of the FCC Rules.