

TECHNICAL SUMMARY  
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)  
TELEVISION STATION KZJO (STA)  
SEATTLE, WASHINGTON  
CHANNEL 36 500 KW (MAX-DA) 226 M HAAT

1. The instant request is for Special Temporary Authority (STA) for KZJO, Seattle, WA, which is licensed for operation on Channel 25.<sup>\*</sup> KZJO holds a construction permit for operation for its Incentive Auction repack facility, which will operate on Channel 36.<sup>†</sup> KZJO received a STA for an interim facility operation with a maximum effective radiated power of 115 kW on October 30, 2019. The instant request supersedes the current STA.<sup>‡</sup>

2. The proposed STA will continue operation with its interim facility authorized under STA, except with a higher effective radiated power of 500 kW. Specifically, the KZJO STA facility will operate on Channel 36 using the interim antenna that is side-mounted on the existing KZJO main facility tower at a height of 140.4 m above ground level.<sup>§</sup> There will be no change in the overall height of the existing structure.

3. The KZJO facility is in Phase 7, which starts on October 19, 2019 and ends on January 17, 2020. The instant STA facility will be employed for the continuing transitional operation on Channel 36 until the new main antenna can be installed and made operational.

4. 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 licensed main facility. This is demonstrated in the attached Predicted Coverage Contours exhibit.

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<sup>\*</sup> See FCC File No. BLCDT-20090917AAN, Facility ID 69571.

<sup>†</sup> See FCC File No. 0000025375.

<sup>‡</sup> See FCC File No. 0000086786.

<sup>§</sup> The tower structure is identified by FCC Antenna Structure Registration Number 1226015 and it has an overall height above ground level of 207.9 m.