

KTCI-TV Next Generation TV Application Exhibit

Twin Cities Public Television, Inc., licensee of television station KTCI-TV, St. Paul, MN (Facility ID 68597) is filing an application to request authority to commence ATSC 3.0 operations on KTCI. As shown below, this proposal complies with Section 73.3801(f)(5) of the rules and is therefore eligible for expedited processing. KTCI will not be making any changes to its technical parameters other than the change to the ATSC 3.0 standard. Therefore, this proposal is eligible for streamlined processing pursuant to section 73.3801(f)(3) of the rules.

As noted in the application, the primary KTCI program stream will be simulcast in ATSC 1.0 on KTCA-TV, which is also licensed to Twin Cities Public Television, Inc. In accordance with FCC policy, because KTCI and KTCA are commonly owned, they have not entered into a simulcast agreement. The map below prepared by Intelligent Design & Services, Inc. (iDSi) demonstrates that 100% of the population within KTCI's noise limited service contour will receive KTCI's ATSC 1.0 signal from KTCA. Therefore, the 95% coverage requirement set forth in Section 73.3801(f)(5) is satisfied. The map also demonstrates that the principal community contour of KTCA will cover the entire community of St. Paul, MN, KTCI's community of license, in compliance with Section 73.3801(c) of the rules. Stations KTCI and KTCA are both in the Minneapolis/St. Paul DMA.

KTCI also broadcasts one secondary multicast stream in ATSC 1.0, which will be broadcast in ATSC 1.0 on KTCA, which, as noted above, is also owned by Twin Cities Public Television, Inc. The PSIP virtual channels for each of KTCI's program streams described in this exhibit will not change.

Prepared by iDSI for
Twin Cities Public Television

Proposed ATSC 3.0 Coverage
Prediction for

KTCI-TV CH 23
St. Paul, MN
Facility ID 68597

Relative to Host Facility

KTCA-TV CH 34
St. Paul, MN
Facility ID 68594

KTCI-TV CH 23 ATSC 3.0
Facility ID 68597

41 dBu Noise Limited Contour
(black solid line)

KTCA-TV CH 34 ATSC 1.0
Facility ID 68594

41 dBu Noise Limited Contour
(red dashed line)

City of License:
St. Paul, MN

Population Study within the Noise Limited Contours

KTCI-TV CH23	3,562,071
KTCA-TV CH34	3,641,882

Scale 1:1,000,000
0 10 20 30 km

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