

TECHNICAL SUMMARY

LOW POWER TELEVISION STATION WFBN-LD
ROCKFORD, ILLINOIS
CHANNEL 28 15 KW 294 M AMSL

1. The instant application is a Special Displacement Window^{*} application for WFBN-LD, currently on channel 35 at Rockford, IL (FCC File No. BLDTL-20131212ABL).
2. WFBN-LD is eligible to file in the Special Displacement Window according to the following:
 - a. It has been licensed and operating since prior to April 13, 2017;[†] and,
 - b. It is subject to displacement due to predicted interference received from the post-transition construction permit facility of WQRF-TV, Rockford, IL (Channel 36)(FCC File No. 0000027710), which exceeds the 2% interference standard for Low Power Television/Television Translator stations; and, in fact, is greater than 21% predicted interference.
 - c. An interference analysis for the licensed WFBN-LD facility with respect to the WQRF-TV post-transition facility is attached hereto to demonstrate eligibility.
3. An interference analysis for the proposed WFBN-LD facility on Channel 28 was conducted using the FCC's *TVStudy* software. The results of this analysis are attached as an exhibit. The proposed facility meets the FCC's interference protection requirements with respect to all protected facilities based on the post-transition allocation environment. It is noted that the analysis employed a higher resolution terrain profile point spacing of 0.1 km.

^{*} See FCC *Public Notice* dated February 9, 2018 entitled "Incentive Auction Task Force and Media Bureau Announce Post-Incentive Auction Special Displacement Window April 10, 2018 through May 15, 2018 and Make Location and Channel Data Available" (DA 18-124, MB Docket No. 16-306, GN Docket No. 12-268).

[†] See *Media Bureau Announces Date by Which LPTV and TV Translator Stations Must Be "Operating" In Order to Participate In Post-Incentive Auction Special Displacement Window, Public Notice*, 31 FCC Rcd 5383 (MB 2016).