

Transition to Reassignment Channel

Television Station: WNDU-TV Facility ID 41674 South Bend, IN
Pre-Auction Channel: 42
Reassignment Channel: 27
Transition Phase Assignment: Phase 6
Phase Testing Period Start Date: 09/07/2019
Phase Completion Date: 10/18/2019

STA purpose: To operate on pre-auction Ch. 42 with an interim antenna and transmitter prior to transition in order to accommodate tower work, removal of pre-auction Ch. 42 main antenna, main transmission line replacement, installation of post-auction Ch. 27 main antenna, and replacement of main transmitter. Work to commence June 2019.

STA Channel: 42

STA Site Location: WNDU-TV auxiliary antenna tower ASR# 1027597
Immediately adjacent to main antenna tower ASR# 1027596

STA Antenna System: Top-mount broadband nondirectional
Elliptically polarized (56% vertical on Ch. 42)
Authorized for repack Ch. 27 by file# 0000063758

STA Power and Height: 209 kW effective radiated power
274 meters height above average terrain

STA Facility Coverage: Does not extend beyond licensed, provides required principal community coverage (Figure 1)

RF Exposure: The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 3.4 percent of the general population/uncontrolled maximum permitted exposure limit. Calculations conducted pursuant to FCC OET Bulletin Number 65 and incorporate 30 percent relative field at downward angles. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

Special Temporary Authority
Purpose and Technical Information
Gray Television Licensee, LLC
(page 2 of 2)



Chesapeake RF Consultants, LLC
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Figure 1
Proposed Interim Contours
WNDU-TV South Bend, IN
Facility ID 41674
Ch. 42 209 kW 274 m

prepared for
Gray Television Licensee, LLC

May, 2019

