

Transition to Reassignment Channel

Television Station: WCAX-TV Facility ID 46728 Burlington, VT
Pre-Auction Channel: 22
Reassignment Channel: 20
Transition Phase Assignment: Phase 7
Phase Testing Period Start Date: 10/19/2019
Phase Completion Date: 01/17/2020

STA purpose: To operate on pre-auction Ch. 22 at reduced power in order to accommodate replacement transmitter and combiner installation. Work to commence during July 2019.

STA Site Location: WCAX-TV licensed Ch. 22 site

STA Antenna System: Licensed main antenna, nondirectional

STA Power and Height: 304 kW effective radiated power
845 meters height above average terrain

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

RF Exposure: An RF safety plan is currently in place at the WCAX-TV site, which is shared with other television and FM radio facilities, to protect the general public and workers from RF electromagnetic field in excess of the FCC's limits. Operation of WCAX-TV with its licensed antenna at reduced power will result in a commensurate reduction of RF electromagnetic field attributable to WCAX-TV. The applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

Chesapeake RF Consultants, LLC

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Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 1
Proposed Interim Contour
WCAX-TV Burlington, VT
Facility ID 46728
Ch. 22 304 kW 845 m

prepared for
Gray Television Licensee, LLC

July, 2019

Proposed Interim Ch. 22
304 kW 845 m nondirectional
48 dBμ
(Principal Community)
41 dBμ
(Noise Limited Service Contour)

Licensed Ch. 22
File# 0000001666
443 kW 845 m nondirectional
41 dBμ Contour

