

Hosting Arrangements Exhibit

Baltimore (WNUV-TV) Licensee, Inc. (“Licensee”), licensee of WNUV(TV), Baltimore, MD (Facility ID 7933; RF Channel 25), is filing this application to modify WNUV(TV)’s NextGen license to include its second (or additional) simulcast of WNUV(TV)’s primary stream (“Second Simulcast”) and non-primary video programming streams (multicast streams) that are aired as “guest” streams on “host” stations as part of the ATSC 3.0 transition. Licensee does not propose to change its primary stream simulcast host, Second Simulcast host, or multicast stream hosts from what was previously authorized. *See* File No. 0000136472 and 0000136473.

Primary Stream Simulcast and Second Simulcast

On June 24, 2021, Licensee commenced ATSC 3.0 operations from WNUV(TV)’s facility, which serves as the ATSC 3.0 host for stations in the Baltimore, MD market, and began simulcasting its primary stream (currently affiliated with *The CW*) in ATSC 1.0 format on WMPT(TV), Annapolis, MD (Facility ID 65942; RF Channel 21) pursuant to a written hosting agreement with Maryland Public Broadcasting Commission. *See* File No. 0000136472. Additionally, Licensee began simulcasting its *CW*-affiliated primary stream on WMPB(TV), Baltimore, MD (Facility ID 65944; RF Channel 22) to provide WNUV(TV)’s primary stream in ATSC 1.0 format to at least 95% of WNUV(TV)’s pre-transition service population. *See id.*; *see also* File No. 0000136473.

Simulcast Coverage and Substantially Similar Requirements: Each of the simulcast host stations is licensed to the same DMA as WNUV(TV), and their service contours completely cover WNUV(TV)’s community of license. As shown in the attached primary stream engineering exhibit (as filed with File No. 0000136472), the service contour of WMPT(TV)’s facility covers 90.3% of the predicted population within the noise limited service contour of WNUV(TV)’s pre-transition facility—slightly below the 95% threshold established in Section 73.3801 of the Commission’s Rules for expedited processing. To minimize the loss of ATSC 1.0 service to existing WNUV(TV) viewers, Licensee simulcasts WNUV(TV)’s primary stream on a second host station, WMPB(TV). When combined, WMPT(TV) and WMPB(TV) cover 97.7% of the predicted population within the noise limited service contour of WNUV(TV)’s facility. There are no other viable host stations in the market that would result in less service loss to existing viewers than Licensee’s hosting arrangement with WMPT(TV) and WMPB(TV). The simulcasting arrangements with WMPT(TV) and WMPB(TV) serve the public interest by enabling WNUV(TV) to continue to provide an HD-quality ATSC 1.0 signal to more than 95% of the predicted population within its current service contour. Both simulcasts comply with the “substantially similar” requirement.

Non-Simulcast Multicasts

To minimize any loss of over-the-air programming available to ATSC 1.0 viewers that might otherwise result from WNUV(TV)’s transition to the ATSC 3.0 standard, Licensee is also airing:

- WNUV(TV)’s multicast stream currently affiliated with *Antenna* in ATSC 1.0 format from the facilities of WMAR-TV, Baltimore, MD (Facility ID 59442; RF Channel 27)

pursuant to a written hosting agreement with Scripps Broadcasting Holdings Licensee LLC; and

- WNUV(TV)'s multicast streams currently affiliated with *Comet TV* and *The Nest* in ATSC 1.0 format from the facilities of WBAL-TV, Baltimore, MD (Facility ID 65696; RF Channel 12) pursuant to a written hosting agreement with WBAL Hearst Television, Inc.

Because of ATSC 1.0 capacity constraints, WNUV(TV) is not able to air its multicast streams on WMPT(TV), its primary ATSC 1.0 simulcast host. Furthermore, due to ATSC 3.0 capacity and other constraints attendant with the multi-station and multi-market coordination needed for a successful ATSC 3.0 deployment across the country, it is not feasible for Licensee to simulcast WNUV(TV)'s multicast streams in an ATSC 3.0 format without unduly minimizing, if not largely eliminating, the benefits to the public and the participating stations of transitioning to ATSC 3.0. Simulcasting those streams in ATSC 3.0 would reduce capacity available to NextGen stations for offering consumers the improved services that ATSC 3.0 enables. The types of services and improvements that would be precluded would include enhanced video featuring High Dynamic Range, Wide Color Gamut and High Frame Rate, immersive and multiple audio channels using Dolby AC-4, Advanced Emergency Alerting and Information functions as part of a broadcast receiver application, and non-real time interactive data delivery. Each of these requires a portion of the ATSC 3.0 capacity that would be unavailable were Licensee to carry multicast program streams as the ATSC 3.0 host for stations in the Baltimore, MD market. Even setting aside these impediments, significant additional engineering work and more equipment would be required to simulcast WNUV(TV)'s multicast streams in ATSC 3.0 and ATSC 1.0 formats.

Host Capacity Limits: WNUV(TV) is airing the same number of programming streams (taking into consideration that the same *CW* programming stream is being simulcast on two hosts for coverage purposes, as described above) on the ATSC 1.0 host stations named herein as it previously aired in ATSC 1.0 from its own facility, and such streams are airing on the host facilities in the same resolutions as they did prior to WNUV(TV)'s transition to ATSC 3.0. WNUV(TV) therefore is not using more capacity on the ATSC 1.0 host stations/airing more streams, in the aggregate, than it would have been able to use or air on its own facilities if it were still broadcasting in the ATSC 1.0 format.

Multicast Coverage Requirements: Each of the host stations is licensed to the same DMA as WNUV(TV), and their service contours completely cover WNUV(TV)'s community of license. The multicast hosting arrangements with WMAR-TV and WBAL-TV serve the public interest by preserving WNUV(TV)'s ability to air each of its programming streams in the ATSC 1.0 format to ensure that WNUV(TV)'s viewers can continue to receive the programming streams currently available to them. The service contours of WMAR-TV and WBAL-TV cover a majority (96.6% and 99.9% respectively) of WNUV(TV)'s pre-transition service area population. *See* attached engineering exhibit (as filed with File No. 0000136473). Additionally, the arrangements preserve access to those WNUV(TV) streams currently received for viewers who are receiving them via MVPDs. This arrangement complies with the requirement that children's television core programming be carried on either the same host as the primary stream or on a host that serves at least 95% of the predicted population served by WNUV(TV)'s pre-transition 1.0 signal.

WNUV(TV) currently averages at least three hours per week of core programming on its primary stream.

MVPD and Consumer Notice Requirements: Licensee provided notice to MVPDs of each proposed signal relocation when it provided the requisite notice regarding relocation of WNUV(TV)'s primary stream. Licensee also aired the requisite consumer notices and posted to its website information regarding the station's transition to the ATSC 3.0 standard and the need for over-the-air viewers to rescan on June 24, 2021.

In summary, Licensee proposes to license WNUV(TV)'s streams in ATSC 1.0 on temporary host facilities as depicted in the chart below:

WNUV(TV) Stream and Virtual Channel	Pre-Relocation ATSC 1.0 RF Channel and Resolution	Post-Relocation ATSC 1.0 RF Channel and Resolution	ATSC 1.0 Host Station	Simulcast in ATSC 3.0?
The CW (Primary) 54.1	25.3 720p	21.5 720p	WMPT(TV)	Yes
		22.5 720p	WMPB(TV)	Yes
Antenna 54.2	25.4 720p	27.9 720p	WMAR-TV	No
Comet TV 54.3	25.5 480i	12.5 480i	WBAL-TV	No
The Nest 54.4	25.6 480i	12.6 480i		No