

Hosting Arrangements Exhibit

Manhan Media, Inc. (“Licensee”), licensee of WWHO(TV), Chillicothe, OH (Facility ID 21158; RF Channel 23), is filing this application to modify WWHO(TV)’s NextGen license to include its 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 or multicast stream hosts from what was previously authorized. *See* File Nos. 0000129743 and 0000129747 (as extended).

Primary Stream Simulcast

On January 7, 2021, Licensee commenced ATSC 3.0 operations from WWHO(TV)’s facility, which serves as the ATSC 3.0 host for stations in the Columbus, OH market, and began simulcasting its primary stream in ATSC 1.0 format on WTTE(TV), Columbus, OH (Facility ID 74137; RF Channel 27) pursuant to a written hosting agreement with Cunningham Broadcasting Corporation (“Cunningham”). *See* File No. 0000129743.

Non-Simulcast Multicasts

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

- WWHO(TV)’s multicast stream currently affiliated with *Charge!* in ATSC 1.0 format from the facilities of WTTE(TV) pursuant to its written hosting agreement with Cunningham); and
- WWHO(TV)’s multicast stream currently affiliated with *Comet TV* in ATSC 1.0 format on WCMH-TV, Columbus, OH (Facility ID 50781; RF Channel 14) pursuant to a written hosting agreement with Nexstar Media Inc. (“Nexstar”).

Because of ATSC 1.0 capacity constraints, WWHO(TV) is not able to air both of its multicast streams on WTTE(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 WWHO(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 Columbus, OH market. Even setting aside these impediments, significant additional engineering work and more equipment would be required to simulcast WWHO(TV)’s multicast streams in ATSC 3.0 and ATSC 1.0 formats.

Although Licensee has agreed to indemnify Cunningham and Nexstar from and against all liabilities or claims resulting from or arising out of the programming and advertising broadcast on Licensee’s program streams using WTTE(TV) and WCMH-TV, Licensee is requesting to include its multicast streams on WWHO(TV)’s NextGen license to make clear that Licensee is an authorized user of a portion of the host stations’ channels and is the party responsible for the *Charge! and Comet TV* streams’ compliance with the Communications Act and the Commission’s rules and regulations. To alleviate any viewer confusion, the PSIP (virtual) channels for each of WWHO(TV)’s program streams will remain unchanged and be identified as being associated with WWHO(TV).

Host Capacity Limits: WWHO(TV) is airing the same programming, in the same resolutions, on the ATSC 1.0 host stations named herein as it aired from its own facilities prior to transitioning to the ATSC 3.0 standard, and therefore will not be using more capacity on the ATSC 1.0 host stations, in the aggregate, than it is currently using on its own ATSC 1.0 facilities.

Coverage Requirements: Each of the host stations is licensed to the same DMA as WWHO(TV), and their service contours completely cover WWHO(TV)’s community of license. The multicast hosting arrangements with WTTE(TV) and WCMH-TV will serve the public interest by enabling nearly all current over-the-air viewers to continue to have access to WWHO(TV)’s multicast streams. The service contours of WTTE(TV) and WCMH-TV cover a majority (98.2% and 98.8% respectively) of WWHO(TV)’s pre-transition service area population. See attached engineering exhibits (as filed with File No. 0000129747). Additionally, the arrangements will preserve access to those WWHO(TV) streams currently received for viewers who are receiving them via MVPDs.

MVPD and Consumer Notice Requirements: Licensee provided notice to MVPDs of each proposed signal relocation when it provided the requisite notice regarding relocation of WWHO(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 to over-the-air viewers to rescan on January 7, 2021.

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

WWHO(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?
CW (Primary) 53.1	23.1 720p	27.6 720p	WTTE(TV)	Yes
Charge! 53.2	23.2 480i	27.6 480i		No
Comet TV 53.3	23.3 480i	14.7 480i	WCMH-TV	No