

Next Generation TV – Host Exhibit
Philadelphia Television Station WPSG, Inc.
WPSG(TV) Philadelphia, Pennsylvania
Facility ID 12499

Philadelphia Television Station WPSG, Inc. (Licensee), licensee of WPSG(TV) Philadelphia, PA (Facility ID 12499), is presently authorized for ATSC 3.0 operations and has an existing multicast special temporary authority (“Multicast STA”) for ATSC 1.0 streams on three host stations.¹ The instant application seeks to modify the WPSG license to allow these operations to continue beyond the Multicast STA expiration date pursuant to the *Third Next Gen TV Report and Order*.²

As shown herein, Licensee proposes to continue simulcasting the primary stream of WPSG in ATSC 1.0 format on KYW-TV Philadelphia PA (Facility ID 25453), RF Channel 30. KYW-TV is licensed to CBS Broadcasting Inc. As Paramount Global ultimately owns and controls both WPSG and KYW-TV, it is believed that a local simulcasting agreement is unnecessary for this host.

To minimize loss of over-the-air programming available to viewers that might result from WPSG’s transition to the ATSC 3.0 standard, Licensee entered into hosting agreements with licensees of the other stations listed below to continue broadcasting WPSG’s multicast channels in ATSC 1.0 format. Licensee is providing host stations a programming lineup in the same 1.0 ATSC format and resolution that it was broadcasting on its own ATSC 1.0 facility prior to the ATSC 3.0 transition.³

¹ Please see LMS file numbers 0000218164 and 0000218166.

² The Multicast STA expires February 6, 2024. This date is provided as the Commencement of Operations Date in FCC Form 2100. See *Authorizing Permissive Use of the “Next Generation” Broadcast Television Standard*, GN Docket No. 16-142, Third Report and Order and Fourth Further Notice of Proposed Rulemaking, FCC 23-53 (rel. Jun. 23, 2023) (*Third Next Gen TV Report and Order*).

³ Some WPSG multicast stream affiliations have changed since the Multicast STA was filed. The current affiliations are shown in the following table. We are following the public disclosure and notice obligations set forth in the *Third Next Gen TV Report and Order* with respect to these changes. *Id.* at § 37.

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Callsign	RF Channel	Network	Resolution	Population Coverage
Facility ID	Virtual Channel			
KYW-TV	30.5	WPSG	720p	100.0%
25453	57.1 (Simulcast) ⁴	(Independent)		(See Figure 1)
WPVI-TV	6.7	Nosey	480i	100.0%
8616	57.4			(See Figure 2)
WPVI-TV	6.8	FaveTV	480i	100.0%
8616	57.5			(See Figure 2)
WTFX-TV	31.8	TBD	480i	98.7%
51568	57.2			(See Figure 3)
WTFX-TV	31.9	Nest	480i	98.7%
51568	57.3			(See Figure 3)

The attached maps show the WPSG noise-limited service contour (NLSC) along with the NLSCs of KYW-TV (**Figure 1**), WPVI-TV (**Figure 2**), and WTFX-TV(**Figure 3**) (the “ATSC 1.0 Host Stations”). As shown, 98.7% or more of the population within the former WPSG NLSC is within the NLSCs of the ATSC 1.0 Host Stations, meeting the 95% requirement of FCC Rule §73.3801(f)(6)(ii).

As outlined above, viewer access to WPSG required programming will not be affected by minor coverage deviations resulting from the relocation of WPSG signals described herein. It is therefore permissible for Licensee to rely on multicast streams for continued compliance with the Commission’s Children’s Television Programming requirements. WPSG carries at least two hours per week of core programming on its primary channel. Several additional hours per week of core programming are carried on the WPSG multicast channels. As such, continued

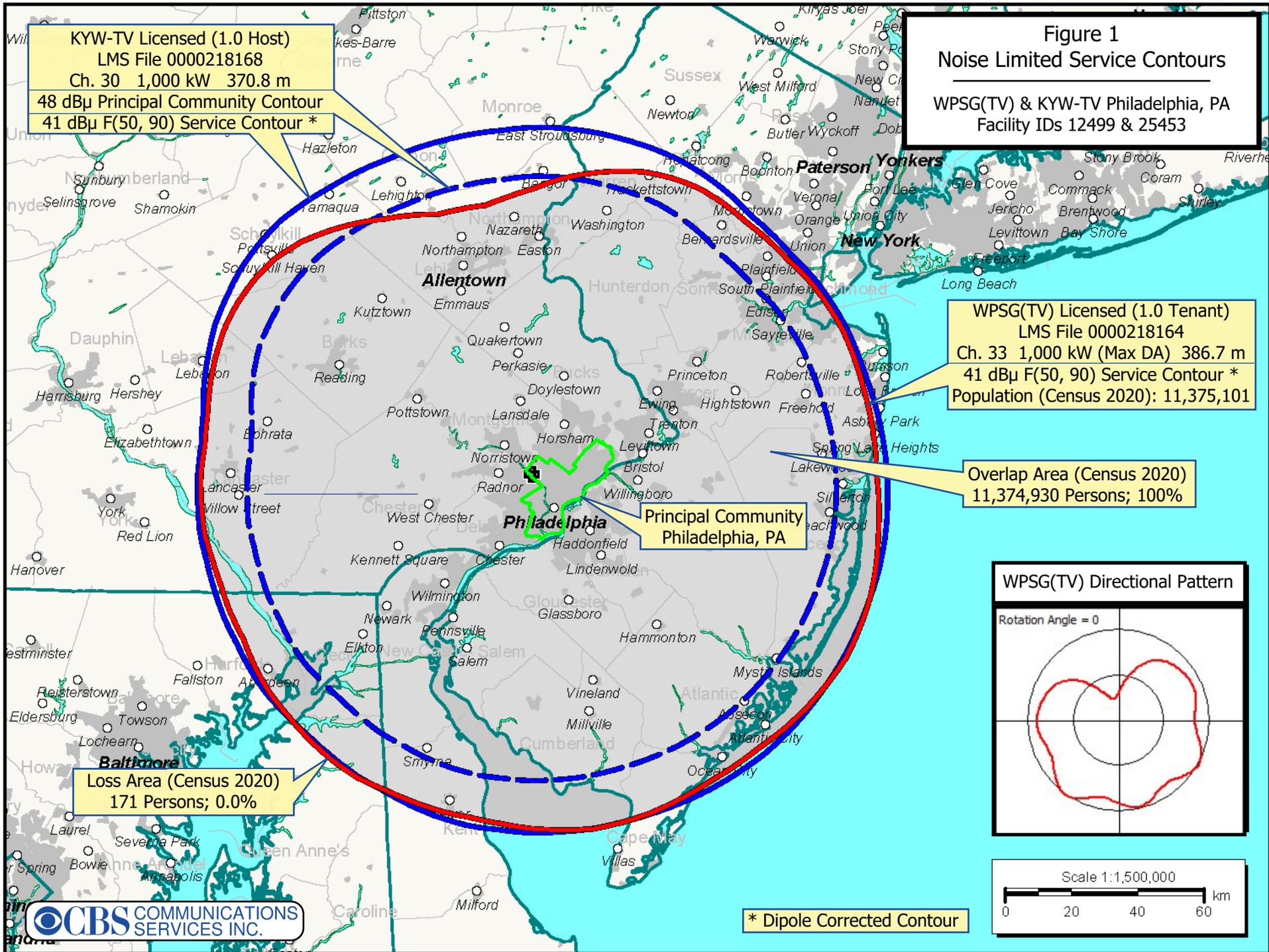
⁴ The primary ATSC 1.0 simulcast will continue to be “substantially similar” as defined by §73.3801(b).

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compliance with the Commission’s programming requirements will not be affected by the instant proposal.

To alleviate potential viewer confusion associated with the prior relocation of the WPSG channels, Licensee aired notices to over-the-air viewers explaining the addition of the Next Gen TV standard on WPSG. Over-the-air viewers were instructed to re-scan and tune to Channel 57 (the PSIP “virtual” channel for WPSG) to continue receiving the programming of the WPSG primary and multicast channels in the ATSC 1.0 standard.

Licensee provided the requisite notice to MVPDs about the relocation of both the primary and multicast WPSG ATSC 1.0 streams. Notably, no MVPDs currently carry the multicast channels. However, Licensee agrees to coordinate with impacted MVPDs, as necessary, to ensure that they receive good quality multicast stream signals either over-the-air or via alternative delivery methods.



WPVI-TV Licensed (1.0 Host)
LMS File 0000218393
Ch. 6 45 kW 342 m

35 dBμ F(50,90) Community Contour
28 dBμ F(50, 90) Service Contour

Figure 2

Noise Limited Service Contours

WPSG(TV) & WPVI-TV Philadelphia, PA
Facility IDs 12499 & 8616

WPSG(TV) Licensed (1.0 Tenant)
LMS File 0000218164
Ch. 33 1,000 kW (Max DA) 386.7 m
41 dBμ F(50, 90) Service Contour *
Population (Census 2020): 11,375,101

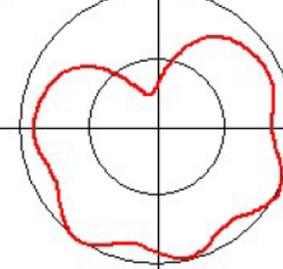
Overlap Area (Census 2020)
11,375,101 Persons; 100%

Principal Community
Philadelphia, PA

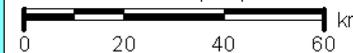
Loss Area
None; 0.0%

WPSG(TV) Directional Pattern

Rotation Angle = 0



Scale 1:1,500,000



* Dipole Corrected Contour

Figure 3

Noise Limited Service Contours

WPSG(TV) & WTXF-TV Philadelphia, PA
Facility IDs 12499 & 51568

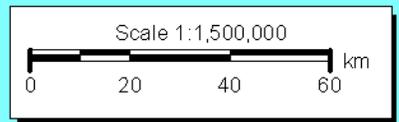
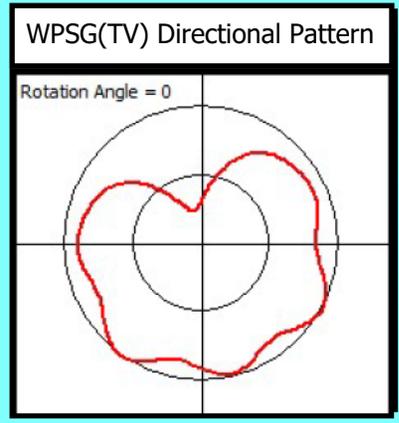
WTXF-TV Licensed (1.0 Host)
LMS File 0000218009
Ch. 31 1,000 kW 336 m
48 dBμ Principal Community Contour
41 dBμ F(50, 90) Service Contour *

WPSG(TV) Licensed (1.0 Tenant)
LMS File 0000218164
Ch. 33 1,000 kW (Max DA) 386.7 m
41 dBμ F(50, 90) Service Contour *
Population (Census 2020): 11,375,101

Overlap Area (Census 2020)
11,223,251 Persons; 98.7%

Loss Area (Census 2020)
151,850 Persons; 1.3%

Principal Community
Philadelphia, PA



* Dipole Corrected Contour

