

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

Philadelphia Television Station WPSG, Inc. (Paramount), licensee of WPSG(TV) Philadelphia, PA (Facility ID 12499), respectfully requests authorization to commence ATSC 3.0 operations. As explained below, this proposal complies with §73.3801(f)(5) and is therefore eligible for expedited processing.

Apart from using the ATSC 3.0 standard, no change is proposed for host station WPSG's technical parameters, detailed below. Thus, this proposal is eligible for streamlined processing pursuant to §73.3801(f)(3). Paramount intends to simulcast the primary WPSG program stream in ATSC 1.0 on KYW-TV Philadelphia, PA (Facility ID 25453), which is licensed to commonly owned CBS Broadcasting, Inc.

The map provided in **Figure 1** shows locations of the WPSG and KYW-TV noise limited service contours (NLSC). As shown, virtually 100% of the population within WPSG's NLSC will receive ATSC 1.0 service from KYW-TV, easily meeting the 95% coverage requirement of §73.3801(f)(6)(ii). The same map provides the principal community coverage contour of KYW-TV, demonstrating community of license coverage of WPSG's primary stream, as required by §§73.3801(c) and 73.625. Both stations are within the Philadelphia DMA.¹

WPSG(TV) Philadelphia, PA (ATSC 3.0 Host)	KYW-TV Philadelphia, PA (ATSC 1.0 Host)
LMS File: 0000129342	LMS File: 0000129344
Latitude: 40-02-33.0 N	Latitude: 40-02-33.0 N
Longitude: 75-14-32.0 W	Longitude: 75-14-32.0 W
ERP: 1,000 kW (Max-DA)	ERP: 1,000 kW
Channel: 33	Channel: 30
Frequency: 587 MHz	Frequency: 569 MHz
Antenna Height: 386.7 m HAAT	Antenna Height: 370.8 m HAAT
DMA: Philadelphia	DMA: Philadelphia

¹ DMA® is a registered trademark of Nielsen Media Research, Inc.

