

**90 Day Written Report Concerning Operation Under Special Temporary Authority
WNYZ-LD CH 6 ATSC 3.0 Operation With Ancillary/Supplementary Audio Service**

Sound of Long Island, Inc. (“SOL”), licensee of LPTV station WNYZ-LD Channel 6, New York, New York, Facility ID 56043, was authorized an extension of FM6 operation on 87.75 MHz by a letter dated March 23, 2023 from Barbara A. Kreisman, Chief, Video Division of the FCC Media Bureau, LMS file number 0000212827. In that letter a 90 day written report was requested and this document is believed to be fully responsive to that request.

SOL has been operating its analog audio service on a frequency of 87.75 MHz as authorized. SOL acknowledges that the STA authorization is based on the concept of non-interference to any other licensed user. It is also understood that any interference or limitation to the WNYZ-LD video service is impermissible.

From the inception of WNYZ ATSC 3.0 and FM6 operation the station has transmitted one 24 hour a day Korean language video program, synchronized audio and video content, and a separate Korean Language audio program. The video program content is observed at the transmitter site on a SiliconDust ATSC 3.0 tuner and the programming can be satisfactorily viewed on consumer receiving equipment.

Interference to or from other licensed users. SOL, as of the date of this report, has received no reports of interference to any other facility by WNYZ-LD and SOL has observed no interference to the WNYZ-LD service.

Interference between the WNYZ-LD audio and video services. No interference between the WNYZ-LD audio or video services has been experienced or reported by viewers. Interference to the ATSC 3.0 signal from the analog audio signal has been investigated with great deliberation including monitoring of the video signal right at the transmitter site while turning the audio signal on and off. This on/off testing showed no change to the video and no change in MER as displayed on the exciter. The field tests also employed on/off testing and no impact to the video signal was detected.

With regard to the requirement that the audio and video coverage must reach similar populations the following is stated. WNYZ-LD utilizes transmission equipment furnished by SYES which includes all RF transmission equipment of SYES manufacture along with combiner, filtering and mask filter

manufactured by Com-Tech. The RF power output of the video and analog transmitters is equal and the combined RF output is fed through a single transmission line and into a broad band circularly polarized antenna system providing 3 kW ERP for both the video and analog services. It is recognized that field strength measurements conducted in the New York city market area are subject to multipath reflections and building attenuation. With that understood correlation of the video and aural service quality were quite good. Off air video measurements were also made, at the same location as the WNYZ measurement, on the signal of CH 3 full service station WJLP(TV) for purposes of comparing the viewability of the ATSC 1.0 and ATSC 3.0 signals. The comparison between the tabulated ATSC 1.0 and ATSC 3.0 signal's ability to deliver a picture seems to suggest a public interest benefit associated with the ATSC 3.0 system.

A six page field report, dated June 7, 2022, was submitted previously on June 21, 2022. This over the air survey of WNYZ reception, demonstrated that the video signal can be received over a wide area of the major lobe in Queens Borough of New York City which is the outer limit of the city in the major lobe direction.

Also attached is a map depicting the DTV and FM coverage contours as prescribed by applicable FCC rules for LPTV DTV and FM services.