

WTBS-LPD – 90 day STA status report to FCC

Prism Broadcasting Network, Inc. (“Licensee”), licensee of LPTV station WTBS-LPD, Atlanta, GA (Facility ID 53584), herein provides the written report relative to WTBS-LPD’s operation with an ATSC 3.0 DTV signal on RF channel 6 (82-88 MHz), combined with an analog FM signal on 87.75 MHz radiating from the same antenna.

The following information is included in this report:

- Detailing any reports of interference to other licensed users the station has received
- Any interference between WTBS-LPD’s video and audio services that in any way limits the coverage of its video
- A demonstration that WTBS-LPD’s audio and video coverage reach similar populations

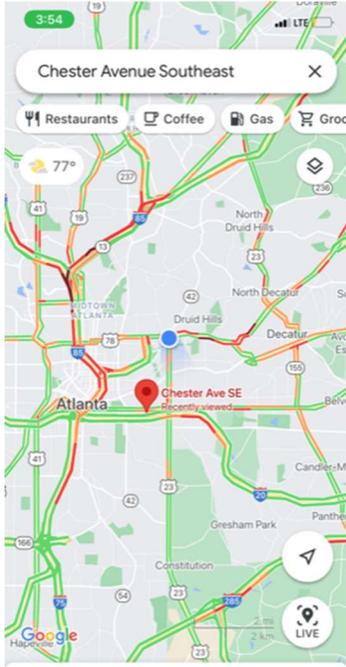
The first item can be addressed immediately. WTBS-LPD has not received any reports of interference from other licensed users.

To address the second and third request, WTBS-LPD performed a field test on Tuesday, November 9th, 2021 to review the actual reception in the field. The tests were performed using a Sony Bravia X85J as the ATSC 3.0 receiver and a standard car receiver for the FM signal.

The receive antenna for the ATSC 3.0 signal was a CLEARSTREAM 2MAX HDTV receive antenna. The receive antenna for the FM signal was the standard vehicle whip antenna. Reception tests were made at the transmitter site, very near the base of the tower, and then at six other sites in the area at varying distances from the transmitter tower. Measurements were made by stopping at various locations, holding the receive antenna outside of the vehicle, and monitoring the display for quality signal. Pictures of video capture at all stops and screenshots of the location relative to the tower site are included below. Distances range from 1 mile to 20 miles.



Video Capture At Tower Base

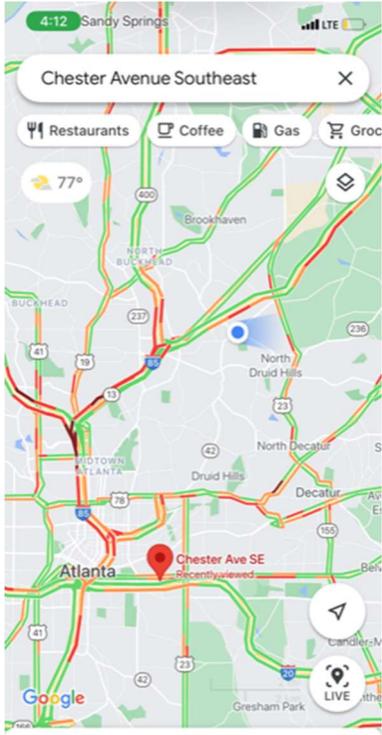


Chester Ave SE
Atlanta, GA

Second Monitor Point Location



Video Capture From Second Monitor Point

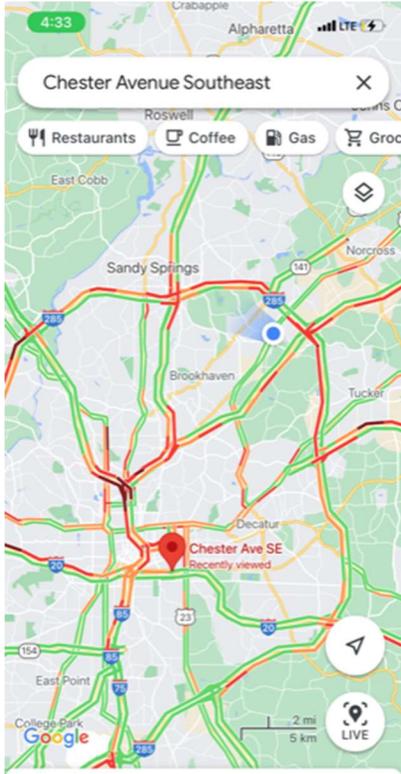


Chester Ave SE
Atlanta, GA

Third Monitor Point Location



Video Capture From Third Monitor Point

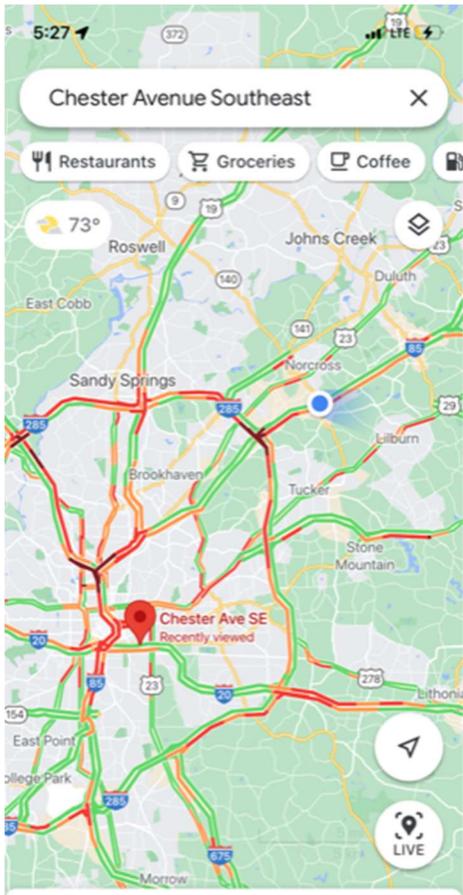


Chester Ave SE
Atlanta, GA

Fourth Monitor Point Location



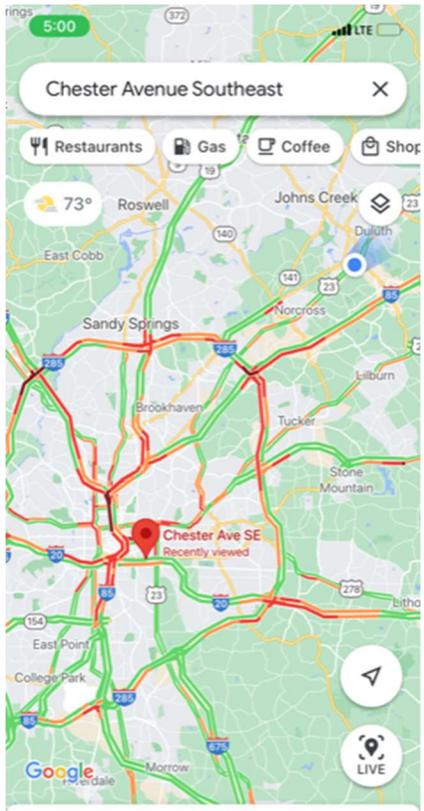
Video Capture From Fourth Monitor Point



Chester Ave SE
Atlanta, GA



Video Capture From Fifth Monitor Point



Chester Ave SE
Atlanta, GA

Sixth Monitor Point Location



Video Capture From Sixth Monitor Point

The transmit antenna is an omnioiod pattern, and the terrain around the Atlanta area is relatively flat, so it was assumed that the direction of the receive site from the transmit tower was not significant.

The FM reception was simply monitored by tuning the vehicle radio to the 87.75 MHz signal of WTBS-LPD's FM carrier, and noting whether audio was received. There was no audible interference noted in any of the test locations.

In conclusion, we are confident from our testing that we find no evidence that the addition of the FM analog signal in the channel 6 frequencies (82-88 MHz) causes interference that would limit the coverage of the DTV signal. In addition, in testing over a significant part of the overall coverage area, we find that the DTV and FM signals have similar coverage, and reach similar populations.