

**TECHNICAL STATEMENT
SUPPORTING THE REQUEST FOR
SPECIAL TEMPORARY AUTHORIZATION
FOR A PROPOSED FLO-TV OPERATION
AT LOS ANGELES, CALIFORNIA**

This Technical Statement provides technical information supporting a request for a special temporary authorization (STA) for a proposed FLO-TV station at Los Angeles, California. The proposed STA operation will be located near the Los Angeles Convention Center at 1201 South Figueroa Street in Los Angeles. The proposed FLO-TV STA operation will consist of 1 station operating on channel 55 (716-722 MHz). The proposed FLO-TV STA station will employ a non-directional (ND) antenna system. The antenna system is a Dielectric model TLP-8A. The proposed effective radiated power (ERP) for the horizontally polarized component consistent with FCC practice for evaluating predicted interference to broadcast stations, is 4 kilowatts (kW). The following provides the site coordinates (NAD-27) and antenna radiation center height above mean sea level (AMSL) for the proposed FLO-TV STA station.

34-02-35, 118-16-08, Rc=84 m AMSL, 4 kW-ND

Interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin with adjustments made for Part-27 stations (see attached Appendix). A 1 kilometer grid, 0.2 kilometer terrain increment and the 2000 US Census were employed. The FCC's database has been used to identify the analog (NTSC) television (TV) and digital television (DTV) assignments for protection. Full service TV and DTV assignments on channels 54, 55 and 56 have been considered.

The following is a list of the stations studied and the calculated interference (OET-69) to those stations from the proposed FLO-TV STA operation.

<u>Station</u>	<u>Channel</u>	<u>Interference Population</u>
KAZA-TV, Avalon, CA (Lic)	54	4,673 (0.03%)
KUVI-DT, Bakersfield, CA (Lic)	55	0 (0.0%)
KDOC-TV, Anaheim, CA (Lic)	56	17,480 (0.11%)

The proposed FLO-TV STA operation on channel 55 at the Los Angeles Convention Center (4 kW-ND, Rc=84 m AMSL) causes no interference (ie, 0 people, 0 sq km, 0.0%) to all known full service analog TV and full service DTV assignments on channels 54, 55 and 56, except for stations KAZA-TV where only 0.03% new interference is calculated to be caused, and to KDOC-TV where only 0.11% new interference is calculated to be caused.

In summary, it is believed the proposed FLO-TV STA operation on channel 55 at Los Angeles protects pertinent surrounding broadcast assignments. Therefore, the FCC is respectfully requested to grant the proposed STA operation.

If there are questions concerning this Technical Statement, please communicate with the office of the undersigned.

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