

**TECHNICAL STATEMENT
SUPPORTING THE REQUEST FOR
SPECIAL TEMPORARY AUTHORIZATION
FOR A PROPOSED MEDIAFLO OPERATION
AT ORLANDO, FLORIDA**

This Technical Statement provides technical information supporting a request for a special temporary authorization (STA) for a proposed MediaFLO system at Orlando, Florida. The proposed MediaFLO system will consist of 1 station operating on channel 55 (716-722 MHz). The proposed MediaFLO STA station will employ a non-directional (ND) antenna system. The proposed effective radiated power (ERP), for the horizontally polarized component consistent with FCC practice for evaluating predicted interference to broadcast stations, is 1 Watt or 0.001 kilowatt (kW). The following provides the site coordinates (NAD-27) and antenna radiation center height above mean sea level (AMSL) for the proposed MediaFLO STA station.

28-25-29, 81-28-12, Rc=60.4 m AMSL, 0.001 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 (MediaFLO, see attached Appendix). A 1 kilometer grid, 0.2 kilometer terrain increment and the 2000 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, as well as analog and digital Class A TV and low power television (LPTV) assignments have been considered. It is understood that station WACX(TV) on analog channel 55 at Leesburg, Florida is no longer on the air and does not require protection.

The proposed MediaFLO STA operation on channel 55 at Orlando (0.001 kW-ND, Rc=60.4 m AMSL) causes no interference (ie, 0 people, 0 sq km, 0.0%) to full service analog TV, full service DTV, Class A TV, Class A DTV, analog LPTV and DTV LPTV assignments.

In summary, it is believed the proposed MediaFLO STA operation on channel 55 at Orlando, Florida 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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