

TECHNICAL SUMMARY
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)
LPTV STATION WLZE-LD
FORT MYERS, FLORIDA
CHANNEL 27 5.7 KW (ND)

1. The instant request is for Special Temporary Authority (STA) for WLZE-LD, Fort Myers, Florida, which is currently authorized to displace to channel 27 (CP, LMS File No. 0000073401). The WLZE-LD STA facility will operate on pre- and post-transition channel 27 from a different site than the WLZE-LD CP facility. Specifically, a Dielectric model TLP-16A horizontally polarized nondirectional antenna will be side-mounted at a height of 366 meters above ground level on an existing tower and operated with a maximum ERP of 5.7 kW. The antenna radiation center height will be 374.8 m AMSL. There will be no change in the overall structure height of the existing tower (ASRN 1213076).

2. The proposed STA antenna system has been designed such that there will be no extension of the predicted noise-limited service contour of the STA facility beyond that of the authorized facility (see Figure 1 attached).

3. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 366 meters above ground level. The total DTV ERP is 5.7 kW (horizontal polarization). A worst-case vertical plane relative field value of 1.0 is presumed for the antenna's downward radiation (for angles below 60 degrees downward). The calculated power density at a point 2 meters above ground level is 1.44 uW/cm^2 which is 0.4% of the FCC's recommended limit of 367.3 uW/cm^2 for channel 27 for an uncontrolled environment. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

Access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, a formal RFR protection protocol is in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measure will be taken to assure worker safety with respect to RFR exposure. Such measures include limiting the exposure time, wearing protective clothing, reducing power to an acceptable level or termination of transmitter output power all together until workers leave the restricted area.