

MINOR CHANGE APPLICATION
RADIO PERRY, INC.
WPGA-DT TELEVISION STATION
CH 32 - 100.0 KW (DA)
PERRY, GEORGIA
November 2004

TECHNICAL STATEMENT

This technical statement and attached exhibits were prepared on behalf of Radio Perry, Inc. ("RPI"), licensee of UHF television station WPGA-TV, Channel 58, Perry, Georgia and WPGA-DT, Channel 32, Perry, Georgia. RPI herein proposes minor changes in the facilities of WPGA-DT by proposing to increase power from 18.0 kilowatts to 100.0 kilowatts. RPI also proposes to correct the geographic coordinates of the WPGA-DT facility to bring them into agreement with the tower registration.¹ No other changes are proposed. This proposed change is to provide an equivalent DTV facility to the allotted Channel 32 facility at Perry, Georgia. The allotted DTV channel allows operation at 50.0 kilowatts (non-directional) at 247.0 meters height above average terrain. The requested facility specifies 100.0 kilowatts (directional) at 185.7 meters height above average terrain.² The 41 dBu contour (50/90) of the proposed facility is encompassed by the 41 dBu contour of the allotted DTV channel (see Exhibit A). Therefore, this change is in compliance with the Commission's DTV change freeze order.

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- 1) A recent survey of the licensed tower site indicated the coordinates of the actual tower were North Latitude 32° 45' 04" and West Longitude 83° 33' 27". The licensed coordinates are North Latitude 32° 45' 09" and West Longitude 83° 33' 35". Thus a shift of five seconds in Latitude and eight seconds in Longitude. RPI will file, as necessary, an application to correct the coordinates of the WPGA-TV, Channel 58 analog facility.
 - 2) Based on eight radials and the 3 second arc terrain database.

RPI proposes to implement the improved DTV operation for WPGA-DT at the existing site. Therefore, the Federal Aviation Administration has not been apprised of this proposal, although they were previously advised of the correction of coordinates. The tower has been registered with the FCC and assigned Antenna Structure Registration #1019967. All information called for on FCC Form 301, Section III-DTV, is attached hereto. Since a directional antenna system, with beam tilt, is proposed, the exhibits required in §73.625(c) are attached hereto as Exhibit B.³ The contributions of the WPGA-DT facilities to the radio frequency radiation levels at this site are calculated in Exhibit C and show this proposal complies with the Commission's radio frequency radiation rules. Further, a detailed DTV interference analysis was conducted and demonstrates that this proposal does not increase interference to any other facility greater than 2% nor cause cumulative interference received by any other station to exceed 10% (see Exhibit D for details).

3) The horizontal relative field pattern, tabulation, dBk tabulation and vertical elevation pattern and tabulations are attached.