

Engineering Statement

WRDG-FM1

Bowdon, GA

Facility ID 777236

Ch. 287 18 kW

125 m HAAT

We seek Special Temporary Authority ("STA") to operate WRDG-FM1 with an increased FM digital power of -10 dBc.

Maximum permissible FM digital ERP levels were calculated using procedures specified in Paragraph 20 of the FCC Order. Pertinent contours for WRDG-FM1 and all area protected stations operating on the upper or lower first-adjacent channel are provided on the attached map.

As shown, there is no prohibited contour overlap between the WRDG-FM1 49.5 dB μ F(50, 10) contour and the protected contours of licensed protected facilities of WLVG, WLXF, and WQSB as well as the permitted facilities of WQSB.

Therefore, it is believed to be eligible to operate with digital ERPs of -10 dBc on upper frequency carriers and -10 dBc on lower frequency carriers. The combined analog and digital transmitter power output (TPO) will be 6.820 kW.

In case of interference, questions should be directed to:

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