

WFGC, Palm Beach, Florida (Fac. Id. 11123)
Engineering STA Request

WFGC is in the process of relocating its facilities to a new location as authorized in Construction Permit 0000214657, and has to vacate the currently licensed site. WFGC seeks temporary authority to operate at the location and heights specified in the permit, but at reduced power while its main transmitter is sent back to the manufacturer to install additional amplifiers, and while a permanent building is completed at the new site. The antenna has been installed at the heights specified in the Permit, but use of the temporary, smaller transmitter requires operation at lower power pursuant to the following parameters:

TPO = 0.5 kW (-3.01 dBk)

TL Loss = 1.03 dB (79%)

Ant Gain = 9.46 dB

ERP max = 3.48 kW (5.42 dBk)

Antenna is elliptical polarized (Hpol = 3.48 kW ERP | Vpol = 0.7 kW)

WFGC seeks approval for this reduced power operation over the next 180 days, but is hopeful that the transmitter work will be completed and a license to cover application for the full parameters authorized in the Permit can be filed sooner.