

TECHNICAL EXHIBIT
IN SUPPORT OF LICENSE APPLICATION
FOR STATION WGCU-DT (FACILITY ID 62388)
FORT MYERS, FLORIDA
CH 31 63 KW 276 M

Technical Narrative

This technical statement was prepared in support of the license application for station WGCU-DT at Fort Myers, Florida. Station WGCU-DT is licensed to operate on channel 31 with an effective radiated power (ERP) of 50 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 276 meters (BLEDT-20030310AQX). WGCU-DT also holds an authorization to increase ERP to 63 kW ERP at its licensed transmitter site (BPEDT-20080317AFZ).

The Commission placed the routine condition on WGCU's CP regarding notification of health care facilities. WGCU has already coordinated with health care facilities for its licensed 50 kW ERP operation. This proposed modification is only a slight increase in non-directional ERP by 1.0 dB. It is believed that the proposed change is insignificant and will not have any adverse affect on health care facilities beyond that of the current 50 kW ERP operation.



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WGCU-DT RF Transmission System Specifications

Description	System
Transmitter Power Output (5.5 kW):	7.4 dBk
Transmission Line Loss (71.5%) (4" rigid air) 900 feet:	1.45 dB
DIE TLP-16B (16.0 RMS Power Gain):	12.04 dB
Effective Radiated Power (63 kW-ND):	17.99 dBk