

APPLICATION FOR STATION LICENSE
REQUEST FOR PROGRAM TEST AUTHORITY
BPED-20130307ABE
BOARD OF REGENTS
UNIV SYSTEM OF GA/VALDOSTA STATE UNIV
WVVS-FM RADIO STATION
CH 215A - 90.9 MHZ - 3.2 KW
VALDOSTA, GEORGIA
April 2016

EXHIBIT A

WVVS-FM (FM) Transmission System Calculations:

Effective Radiated Power: 3.2 Kilowatt (Horizontal and Vertical)

Antenna: Shively 6832-2
2 bay - 1.0 Wavelength Antenna
Power Gain: 0.994

Transmission Line: LDF7-50A
1 5/8" foam dielectric
312 ft (95.1 meters) 83.4 % Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 3.86 Kilowatts (3,860 watts)

Channel: 215A - 90.9 MHZ

Effective Radiated Power: 3.2 Kilowatts (Horizontal & Vertical)

Geographic Coordinates: North Latitude 30° 50' 49"
West Longitude 83° 14' 13"

Antenna Center of Radiation: AGL 58.0 meters
AMSL 119.0 meters
HAAT 60.0 meters

Antenna Structure Registration Number: N/A