

APPLICATION FOR STATION LICENSE
SUNCOAST RADIO, INC.
W227AV FM TRANSLATOR
CH 227D - 93.3 MHZ - 0.25 KW
NEWBERRY, FLORIDA
August 2013

EXHIBIT A

W227AV Transmission System Calculations

Effective Radiated Power: 0.25 Kilowatt (horizontal/vertical)

Antenna: Three bay full wavelength
PSI - FML-3 antenna

Power Gain 1.55

Transmission Line: Andrew LDF5-50A
(265 feet) 7/8 inch foam dielectric
80.5% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 0.200 Kilowatt (200 watts)

Facilities Authorized: Channel 227D - 93.3 MHz

Effective Radiated Power: 0.25 Kilowatt (H/V)

Geographic Coordinates: North Latitude 29° 30' 55"
West Longitude 82° 53' 05"

Antenna Center of Radiation: Above Ground 81.0 meters
Above MSL 93.0 meters

Antenna Structure Registration #: 1030716