

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: (265 feet)	Andrew LDF5-50A 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