

APPLICATION FOR NEW STATION LICENSE

ARSO RADIO CORPORATION

WFDT (FM) RADIO STATION

CH 288A - 105.5 MHZ - 3.0 KW

AGUADA, PUERTO RICO

September 2002

EXHIBIT A

WFDT Transmission System Calculations

Effective Radiated Power:

Horizontal

3.0 kilowatts

Vertical

3.0 kilowatts

Antennas:

Jampro Antenna JMPC-4

4 bay full wavelength spacing

Horizontal gain

2.1

Transmission Line:

(125 feet)

Andrew HJ8-50B

3 inch air dielectric (flex)

95.9% efficiency

Required Transmitter Power Output

To Reach Effective Radiated Power:

1.489 kilowatts

Facilities Authorized:

Channel 288A - 105.5 MHz

Effective Radiated Power:

3.0 kilowatts (H/V)

Geographic Coordinates:

North Latitude

18° 18' 57"

West Longitude

67° 10' 54"

Antenna Center of Radiation:

Above Ground

32.0 meters

Above MSL

357.0 meters

HAAT

304.0 meters

Tower Registration Number:

Not Required