

**APPLICATION FOR NEW STATION LICENSE**  
**ARSO RADIO CORPORATION**  
**WFTD (FM) RADIO STATION**  
**CH 288A - 105.5 MHZ - 3.0 KW**  
**AGUADA, PUERTO RICO**  
**September 2002**

**EXHIBIT A**

**WFTD 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

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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