

MODIFY BXLH-20040317ADM
ARSO RADIO CORPORATION
WRIO (FM) RADIO STATION
AUXILIARY ANTENNA SYSTEM
CH 266B - 101.1 MHZ - 17.0 KW
PONCE, PUERTO RICO
December 2008

EXHIBIT A

WRIO Auxiliary Antenna Transmission System Calculations

Effective Radiated Power:	
Horizontal	17.0 kilowatts
Vertical	17.0 kilowatts
Antenna:	Electronics Research, Inc. MPX-4AE
Horizontal gain	4 bay full wavelength spaced. 2.1332
Transmission Line: (380 feet)	Andrew Corp. HJ7-50A 1 5/8 inch air dielectric 83.4% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	9.55 kilowatts

Facilities Authorized:	Channel 266B - 101.1 MHz
Effective Radiated Power:	17.0 kilowatts (H/V)
Geographic Coordinates: ²	North Latitude 17° 58' 52" West Longitude 66° 36' 49"
Antenna Center of Radiation:	Above Ground 56.0 meters Above MSL 57.0 meters HAAT -2.0 meters
Antenna Structure Registration #:	1242494

2) Corrected coordinates.