

**APPLICATION FOR STATION LICENSE/  
REQUEST FOR PROGRAM TEST AUTHORITY  
MID-ISLAND BROADCASTING LTD PARTNERSHIP  
WBZO (FM) RADIO STATION  
CH 276A - 103.1 MHZ - 1.55 KW (DA)  
BAYSHORE, NEW YORK  
October 2002**

**EXHIBIT #A**

**WBZO Transmission System Calculations**

Effective Radiated Power:

Horizontal	1.55 kilowatts
Vertical	1.55 kilowatts

Antennas:

Electronics Research, Inc. LP-2E-DA-HW  
2 bay half wavelength  
Horizontal gain 1.268

Transmission Line:  
(966 feet)

Andrew HJ7-50A  
1 5/8 inch air dielectric  
62.7% Efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power:

1.949 kilowatts

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Facilities Authorized:

Channel 276A - 103.1 MHz

Effective Radiated Power:

1.55 kilowatts (H/V)

Geographic Coordinates:

North Latitude	40° 45' 03"
West Longitude	73° 12' 49"

Antenna Center of Radiation:

Above Ground	147.0 meters
Above MSL	156.0 meters
HAAT	141.0 meters

Antenna Structure Registration #:

1219580