

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
WWIZ (FM) RADIO STATION
CH 280A - 103.9 MHZ - 6.0 KW
WEST MIDDLESEX, PENNSYLVANIA
November 2013

EXHIBIT A

WWIZ Transmission System Calculations:

Effective Radiated Power: 6.0 Kilowatts (Horizontal and Vertical)

Antenna: RCA
BFH-3B
3 bay - 1.0 wavelength antenna
Power Gain: 1.55

Transmission Line: Andrew ldf7-50
(175 feet) 1 5/8 " foam dielectric
91.1% Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 4.25 Kilowatts (4,250 watts)

Channel: 280A - 103.9 MHZ

Effective Radiated Power: 6.0 Kilowatts (H & V)

Geographic Coordinates: North Latitude 41° 12' 16"
West Longitude 80° 21' 49"

Antenna Center of Radiation: AGL 48.0 meters
AMSL 431.0 meters
HAAT 89.0 meters

Antenna Structure Registration Number: N / A