

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
W264AK FM TRANSLATOR STATION
CH 264D - 100.7 MHZ - 0.082 KW
TOLEDO, OHIO
August 2010

EXHIBIT A

W264AK Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.082 kilowatt
Vertical	0.082 kilowatt
Antenna:	Shively Labs 6014-1/3 1 bay (3 around) circularly polarized panel antenna
Antenna System Power Gain	0.46
Transmission Line:	Andrew Corporation HJ5-50A
(364 feet)	7/8 inch air dielectric 73.3% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.2432 kilowatt (243.2 watts)

Facilities Authorized:	Channel 264D - 100.7 MHz
Effective Radiated Power:	0.082 kilowatt (H/V)
Geographic Coordinates:	North Latitude 41° 38' 49" West Longitude 83° 36' 18"
Antenna Center of Radiation:	Above Ground 105.0 meters Above MSL 292.0 meters
Antenna Structure Registration #:	1054371