

APPLICATION FOR AUXILIARY STATION LICENSE
RADIO LICENSE HOLDING CBC, LLC
WLEV (FM) RADIO STATION
CH 264B - 100.7 MHZ - 11.0 KW
ALLENTOWN, PENNSYLVANIA
October 2016

EXHIBIT A

WLEV Transmission System Calculations:

Effective Radiated Power:	11.0 Kilowatts (H/V)
Antenna:	COMARK 2 bay 1.0 wavelength spaced
Power Gain:	1.00
System Losses	
Transmission Line: (400 feet)	Andrew HJ7-50A 1 5/8" air dielectric 82.6 % efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	13.3 Kilowatts (13,300 watts)
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BXPH-20160816AAT Channel:	264B - 100.7 MHZ
Effective Radiated Power:	11.0 Kilowatts (H/V)
Geographic Coordinates:	North Latitude 40° 33' 52" West Longitude 75° 26' 25"
Antenna Center of Radiation:	AGL 114.0 meters AMSL 399.0 meters HAAT 251.0 meters
Antenna Structure Registration Number:	1031215