

**APPLICATION FOR STATION LICENSE**  
**CARIBBEAN BROADCASTING CORP.**  
**WCNM-FM3 FM BOOSTER STATION**  
**CH 297D - 107.3 MHZ - 10.0 KW**  
**PONCE, PUERTO RICO**  
**June 2009**

**EXHIBIT A**

**WCNM-FM3 Transmission System Calculations**

Effective Radiated Power:	
Horizontal	10.0 kilowatts
Vertical	10.0 kilowatts
Antenna:	Electronics Research, Inc. LPX-5A 5 bay full wavelength spaced
Antenna System Power Gain	2.7154
Transmission Line:	Andrew HJ7-50A
(260 feet)	1 5/8 inch air dielectric 88.0% Efficiency
AM Iscoupler:	Kintronics Insertion loss : 0.25 dB 94.4% Efficiency
FM Notch Filter:	Brand unknown Insertion loss : 0.003 dB 99.9% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	4.4375 kilowatts

---

Facilities Authorized:	Channel 297D - 107.3 MHz
Effective Radiated Power:	10.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude    17° 58' 52" West Longitude    66° 36' 49"
Antenna Center of Radiation:	Above Ground    72.0 meters Above MSL       73.0 meters
Antenna Structure Registration #:	1242494