

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