

MODIFY BLH-19900314KD
CUMULUS LICENSING LLC
WAOA-FM RADIO STATION
CH 296C1 - 107.1 MHZ - 100.0 KW
MELBOURNE, FLORIDA
January 2007

EXHIBIT A

WAOA-FM Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	100.0 kilowatts
Antenna:	Harris/Electronics Research, Inc. FMH-6AC 6 bay full wavelength spaced antenna
Horizontal gain	3.3028
Transmission Line:	Cablewave Systems - HCC-312-50
(480 feet)	3 1/2 inch air dielectric 88.3% Efficiency
Bandpass filter:	Dielectric Bandpass - five stage Insertion Loss : 0.28 dB 93.756% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	36.57 kilowatts

Facilities Authorized:	Channel 296C1 - 107.1 MHz
Effective Radiated Power:	100.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 28° 08' 11" West Longitude 80° 42' 12"
Antenna Center of Radiation:	Above Ground 144.0 meters Above MSL 151.0 meters HAAT 148.0 meters
Antenna Structure Registration #:	1027712