

**APPLICATION FOR STATION LICENSE**  
**MEDIACOM, INC.**  
**W293AK FM TRANSLATOR STATION**  
**CH 293D - 106.5 MHZ - 0.045 KW**  
**RIPLEY, WEST VIRGINIA**  
**May 2010**

**EXHIBIT A**

**W293AK Transmission System Calculations**

Effective Radiated Power:	0.045 kilowatt (vertical)
Antenna:	Scala FMV-2 2 element vertical dipole antenna
Antenna System Power Gain	2.24 (3.5 dBd)
Transmission Line: (125 feet)	Andrew Corporation LDF4-50A 1/2 inch foam dielectric 81.6% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0246 kilowatt (24.6 watts)

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Facilities Authorized:	Channel 293D - 106.5 MHz
Effective Radiated Power:	0.045 kilowatt (V)
Geographic Coordinates:	North Latitude 38° 53' 35" West Longitude 81° 46' 51"
Antenna Center of Radiation:	Above Ground 27.0 meters Above MSL 304.0 meters
Antenna Structure Registration #:	N/A