

**APPLICATION FOR STATION LICENSE**  
**CUMULUS LICENSING LLC**  
**KRMD-FM AUXILIARY FM ANTENNA**  
**KRMD-FM RADIO STATION**  
**CH 266C0 - 101.1 MHZ - 0.58 KW**  
**OIL CITY, LOUISIANA**  
**February 2012**

**EXHIBIT A**

**KRMD-FM Auxiliary Transmission System Calculations**

Effective Radiated Power: 0.58 kilowatt (Horizontal/Vertical)

Antenna: Nicom - Model BKG/77  
2 bay full wavelength spaced  
Horizontal gain 0.90 (power gain)

Transmission Line: Andrew Corp HJ7-50A  
(400 feet) 1 5/8 inch air dielectric  
82.6% Efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power: 0.780 kilowatt (780 watts)

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Facilities Authorized: Channel 266C0 - 101.1 MHz

Effective Radiated Power: 0.58 kilowatt (H/V)

Geographic Coordinates: North Latitude 32° 29' 36"  
West Longitude 93° 45' 55"

Antenna Center of Radiation: Above Ground 119.0 meters<sup>1</sup>  
Above MSL 192.0 meters  
Above HAAT 139.0 meters

Antenna Structure Registration #: 1209322

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1) It is noted that the center of radiation of the antenna system was lowered from 119.0 meters (390.0 feet) to 115.8 meters (380.0 feet) to accommodate other attachments on the tower. This adjustment is in compliance with §73.1690(c)(2) of the rules as it is within the 2.0 meters higher or 4.0 meters lower indicated in the rules. In keeping with FCC staff procedures, the height reported on Exhibit A is the authorized height.