

**APPLICATION FOR PROGRAM TEST AUTHORITY**  
**AND STATION LICENSE**  
**SOUTHWEST ARKANSAS MEDIA, INC.**  
**KWPS-FM RADIO STATION**  
**CH 259A - 99.7 MHz - 0.98 kW - DA**  
**CADDO VALLEY, ARKANSAS**  
**March 2014**

**EXHIBIT E**

**KWPS-FM Transmission System Calculations:**

Effective Radiated Power:	0.98 Kilowatts (H/V)
Antenna:	ERI LP-1E-DA 1 bay full wavelength spaced
Power Gain:	.762
System Losses	
Transmission Line: (150 feet)	Andrew HJ7-50A 1 5/8" air dielectric 93.1 % efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	1.38 Kilowatts (1,380 watts)

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BPH-20130729AKL	
Channel:	259A - 99.7 MHZ
Effective Radiated Power:	0.98 Kilowatts (H/V)
Geographic Coordinates:	North Latitude 34° 21' 09" West Longitude 93° 09' 26"
Antenna Center of Radiation:	AGL 29.0 meters AMSL 419.0 meters HAAT 247.0 meters
Antenna Structure Registration Number:	N/A