

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
KAYD-FM AUXILIARY RADIO STATION
CH 269C3 - 101.7 MHZ - 0.11 kW
SILSBEE, TEXAS
July 2016

EXHIBIT A

KAYD-FM Transmission System Calculations

Effective Radiated Power:	0.11 Kilowatt (Horizontal/Vertical)
Antenna:	ERI LPX-3AE 3 bay full wavelength spaced antenna
Power Gain:	1.5588
Transmission Line: (112.8 meters / 370 feet)	Andrew LDF7-50A 1 5/8 inch air dielectric Efficiency 82.4%
Required Transmitter Power Output To Reach Effective Radiated Power:	0.086 Kilowatt (86 watts)

Construction Permit Specifications

Geographic Coordinates (NAD '27):	North Latitude	29° 59' 28"
	West Longitude	94° 14' 50"
Effective Radiated Power:	Horizontal	0.11 kilowatt
	Vertical	0.11 kilowatt
Antenna Center of Radiation:	AMSL	118.0 meters
	HAAT	112.0 meters
	AGL	110.0 meters
Antenna Structure Registration Number:		1002220