

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
KYYI (FM) RADIO STATION
CH 284C1 - 104.7 MHZ - 92.0 KW
BURKBURNETT, TEXAS
October 2016

EXHIBIT A

KYYI Transmission System Calculations

Effective Radiated Power: 92.0 Kilowatts (Horizontal/Vertical)

Antenna: ERI SHPX-10AC
Ten bay full wavelength antenna
Power Gain 5.68

Transmission Line: Andrew HJ11-50
(1,005 feet / 306.3 meters) 4 inch air dielectric
76.2 % Efficiency

Required Transmitter Power Output
To Reach Effective Radiated Power: 21.26 Kilowatts (21,260 Watts)

Facilities Authorized: Channel 284C1 - 104.7 MHZ

Effective Radiated Power: 92.0 Kilowatt (H/V)

Geographic Coordinates: North Latitude 34° 05' 35"
West Longitude 98° 52' 44"

Antenna Center of Radiation: Above Ground 303.0 meters
Above MSL 654.0 meters
HAAT 310.0 meters

Antenna Structure Registration #: 1049790