

## KDJJ 94.1 FERNLEY, NV STA APPLICATION INFORMATION

This application proposes an engineering STA for KDJJ, 94.1, Fernley, NV. This STA would use the currently licensed FM antenna at a lower power level.

KDJJ has not been able to operate from its licensed site because of issues with its program feed. This program feed issue has now been resolved and the program is being received at the transmitter site. Then the KDJJ main transmitter failed when it was attempted to be brought back on air in late April 2023. Parts for the main transmitter and a new backup transmitter were ordered. A new backup transmitter was installed and tested at the KDJJ site on 10/1/2023.

The public interest would be served by granting this STA request as KDJJ is one of very few signals in this rural part of Nevada.

Technical Parameters of this STA site:

Coordinates (NAD83): 39-54-45.7 N. Lat.; 118-55-21.6 W. Long

Structure total height: 450.5 meters AGL

Tower ASR: 1264251

Antenna COR Height: 124 meters AGL; 1655 meters AMSL

Antenna: Armstrong FMA-811-4; Four Bay Circularly Polarized Non-Directional Antenna

Antenna Gain: 2

Effective Radiated Power: 1800 watts

Coax Line Loss: 90% or 0.9

Transmitter Power Output: 1000 watts

The Licensee here requests a 6 month Engineering STA to return the KDJJ operation to air This will allow time for repairs of the main transmitter.