K46HW-D was displaced during the 2018 LPTV/TV Translator Displacement Window. Due to the location and proximity between Pocatello and Salt Lake City, all available channels have been used and Franklin County has lost 2 channels because of the repack (K44HA-D and K46HW-D).

A microwave application has been filed to replace the loss of this particular license and the Applicant requests Temporary Authority to use Ch 3 until the ULS Filing (File # 0009761650 is granted.

Study created: 2021.10.20 15:02:00

Study build station data: LMS TV 2021-10-19

 Proposal: MICROWAVE D3 LD LIC PRESTON, ID

 File number: microwave

 Facility ID: 125013

Station data: User record

 Record ID: 234

 Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX Call Chan Svc Status City, State File Number Distance

No K03JC-D D3 LD CP BOISE, ID BNPDTL20090825AOO 391.1 km

No K03JD-D D3 LD LIC WENDOVER, UT BLANK0000158179 176.6

No K03JD-D D3 LD APP WENDOVER, UT BLANK0000159513 176.6

Yes K04RX-D D4 LD LIC PRESTON, ID BLANK0000145019 36.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

 Channel: D3

 Mask: Simple

 Latitude: 42 7 19.50 N (NAD83)

 Longitude: 111 47 8.00 W

Height AMSL: 1885.0 m (Adjusted based on actual ground elevation calculation)

 HAAT: 0.0 m

 Peak ERP: 0.010 kW

 Antenna: SCA-PR-450CU (ID 23500) 44.0 deg

Elev Pattrn: Generic

43.0 dBu contour:

Azimuth ERP HAAT Distance

 0.0 deg 0.000 kW 229.1 m 6.3 km

 45.0 0.010 -49.1 8.5

 90.0 0.000 -100.2 2.3

135.0 0.000 -9.1 1.9

180.0 0.000 449.1 5.3

225.0 0.000 480.2 3.6

270.0 0.000 447.3 4.8

315.0 0.000 416.5 5.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 233 m

Distance to Canadian border: 764.2 km

Distance to Mexican border: 1076.6 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 243.4 degrees Distance: 979.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 109.6 degrees Distance: 588.8 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

---- Below is IX received by proposal microwave ----

Proposal receives 41.90% interference from scenario 1

No IX check failures found.