K06QX-D Fi 182560

Minor Modification, reduce ERP and RCAGL.

Predicted IX is with K05NL-D which is owned by the applicant and is acceptable.

Study created: 2021.11.16 16:15:03

Study build station data: LMS TV 2021-11-16

 Proposal: K06QX-D D6 LD CP RENO, NV

 File number: BLANK0000164267

 Facility ID: 182560

Station data: User record

 Record ID: 292

 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 DDK05JK N5 TX APP MINERAL, CA BLTTV19920526IS 174.1 km

No DDK05JK D5 LD APP MINERAL, CA BDFCDTV20090203ACS 174.1

No K05EM-D N5 TX LIC PARADISE, CA BLTTV3525 152.7

No K05EM-D D5 LD LIC PARADISE, CA BLANK0000152212 158.3

No K05NL-D D5 LD CP RENO, NV BLANK0000164266 0.0

No K06QL-D D6 LD CP CERES, CA BLANK0000167155 240.7

No K06KA-D D6 LD LIC FORT JONES, ETC., CA BLANK0000016526 336.3

No KFMY-LD D6 LD LIC Petaluma, CA BLANK0000011162 278.9

No KFMY-LD D6 LD CP Petaluma, CA BLANK0000074716 303.7

No KNNN-LP D6+ LD CP REDDING, CA BLANK0000013749 260.2

No KNNN-LP N6+ TX LIC REDDING, CA BLTVL20060918ACG 260.2

No KEFM-LD N6z TX LIC SACRAMENTO, CA BLANK0000144768 174.4

No KEFM-LD D6z LD LIC SACRAMENTO, CA BLANK0000155814 174.4

No KBKF-LD N6- TX CP SAN JOSE, CA BPTVL20101014ACL 293.6

No KBKF-LD D6 LD LIC SAN JOSE, CA BLANK0000146566 327.7

No KBKF-LD N6- TX LIC SAN JOSE, CA BLTVL20100818AAH 327.7

No KMCF-LD D6 LD LIC VISALIA, CA BLANK0000157810 318.7

No K06MK-D D6 LD LIC ELKO, NV BLDTV20111123AAA 373.9

No K06KQ-D D6 LD LIC MANHATTAN, NV BLDTV20110531AQP 262.9

No K06NS-D D6 LD LIC CHILOQUIN, OR BLDTV20090126ABJ 340.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

 Channel: D6

 Mask: Stringent

 Latitude: 39 35 2.70 N (NAD83)

 Longitude: 119 47 55.50 W

Height AMSL: 1674.3 m (Adjusted based on actual ground elevation calculation)

 HAAT: 0.0 m

 Peak ERP: 0.100 kW

 Antenna: Omnidirectional

Elev Pattrn: Generic

43.0 dBu contour:

Azimuth ERP HAAT Distance

 0.0 deg 0.100 kW 48.4 m 18.9 km

 45.0 0.100 243.8 37.1

 90.0 0.100 184.1 33.1

135.0 0.100 233.6 36.5

180.0 0.100 301.4 40.1

225.0 0.100 153.4 30.5

270.0 0.100 -298.3 15.1

315.0 0.100 136.2 29.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 125 m

Distance to Canadian border: 1005.4 km

Distance to Mexican border: 805.1 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 220.0 degrees Distance: 267.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 82.4 degrees Distance: 1241.1 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 BLANK0000164267 ----

Proposal receives 88.65% interference from scenario 1 88.65