FI 181841 K10QL-D

Minor Modification: Increase ERP, change RCAMSL, change antenna make and model. No change in location. Controlled access site, no new construction. Edge Spectrum will cooperate with other site users to minimize exposure.

Study created: 2023.01.17 08:04:29

Study build station data: LMS TV 2023-01-10 #27

 Proposal: K10QL-D D10 LD LIC ABILENE, TX

 File number: 3kW Omni CH 10 Abilene

 Facility ID: 181841

Station data: User record

 Record ID: 727

 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 KFWD D9 DT LIC FORT WORTH, TX BLANK0000124274 257.9 km

No KCEN-TV D9 DT LIC TEMPLE, TX BLCDT20021010AAB 269.2

No KBIM-TV D10 DT LIC ROSWELL, NM BLANK0000067866 389.8

No KFDA-TV D10 DT LIC AMARILLO, TX BLCDT20111114BLB 372.3

No KHPK-LD D10 LD LIC DE SOTO, TX BLANK0000029265 257.7

No KRDJ-LD D10 LD LIC LUBBOCK, TX BLANK0000177409 227.7

No KSAA-LD D10+ LD LIC SAN ANTONIO, TX BLANK0000110645 353.5

Yes KWTX-TV D10 DT LIC WACO, TX BLCDT20110822AEA 258.6

No KSWO-TV D11 DT LIC LAWTON, OK BLANK0000005143 217.1

No KCBD D11 DT LIC LUBBOCK, TX BLANK0000010766 232.2

Yes KLST D11 DT LIC SAN ANGELO, TX BLCDT20090316ABJ 124.1

No KXAB-LD N13+ TX CP ABILENE, TX BLANK0000013451 49.8

No KXAB-LD N13+ TX LIC ABILENE, TX BLTVL20110825ABX 18.0

Non-directional AM stations within 0.8 km:

KSLI 1280 L ND1 D ABILENE, TX BL6662

KSLI 1280 L ND1 N ABILENE, TX BL6662

No directional AM stations found within 3.2 km

Record parameters as studied:

 Channel: D10

 Mask: Full Service

 Latitude: 32 26 53.00 N (NAD83)

 Longitude: 99 42 55.00 W

Height AMSL: 613.4 m

 HAAT: 0.0 m

 Peak ERP: 3.00 kW

 Antenna: Omnidirectional

Elev Pattrn: Generic

48.0 dBu contour:

Azimuth ERP HAAT Distance

 0.0 deg 3.00 kW 109.0 m 47.1 km

 45.0 3.00 84.7 43.0

 90.0 3.00 56.7 37.1

135.0 3.00 51.1 35.5

180.0 3.00 60.8 38.1

225.0 3.00 65.5 39.1

270.0 3.00 80.1 42.1

315.0 3.00 95.0 44.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 75 m

Distance to Canadian border: 1803.0 km

Distance to Mexican border: 338.0 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 161.9 degrees Distance: 583.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 331.5 degrees Distance: 984.6 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%

No IX check failures found.