

### FIGURE 3 - KTPE-LD MINOR CHANGE FCC TVSTUDY SUMMARY REPORT

Proposal: KTPE-LD D23 LD APP Topeka, KS  
 File number: KTPE-LD FINAL  
 Facility ID: 191060  
 Station data: User record  
 Record ID: 753  
 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  | KMJC-LD | D22  | LD  | LIC    | Kansas City, KS   | BLANK0000016622  | 66.0 km  |
| Yes | K40IJ-D | D22  | LD  | CP     | TOPEKA, KS        | BLANK00000197508 | 53.2     |
| No  | KRBK    | D22  | DT  | LIC    | OSAGE BEACH, MO   | BLANK00000171221 | 277.1    |
| No  | WOWT    | D22  | DT  | LIC    | OMAHA, NE         | BLANK00000188796 | 266.1    |
| No  | KCWI-TV | D23  | DT  | APP    | AMES, IA          | BPCDT20130205AAY | 339.0    |
| No  | KCWI-TV | D23  | DT  | LIC    | AMES, IA          | BLCDT20090612AIO | 339.0    |
| No  | KSNL-LD | D23  | LD  | LIC    | SALINA, KS        | BLANK00000059950 | 218.5    |
| No  | KCTU-LD | D23  | LD  | CP     | WICHITA, KS       | BLANK00000031023 | 241.1    |
| No  | KCTU-LD | D23  | LD  | LIC    | WICHITA, KS       | BLANK00000190411 | 241.1    |
| No  | KODE-TV | D23  | DT  | LIC    | JOPLIN, MO        | BLANK00000071606 | 221.5    |
| Yes | KCDN-LD | D23  | LD  | LIC    | KANSAS CITY, MO   | BLANK00000112964 | 55.0     |
| No  | K23PC-D | D23  | LD  | CP     | ROLLA, MO         | BLANK00000194347 | 316.9    |
| No  | K23PC-D | D23  | LD  | LIC    | ROLLA, MO         | BLANK00000198107 | 316.9    |
| No  | K23LE-D | D23  | LD  | LIC    | SEDALIA, MO       | BLANK00000198106 | 165.6    |
| No  | K23LE-D | D23  | LD  | APP    | SEDALIA, MO       | BLANK00000212607 | 165.6    |
| No  | KETC    | D23  | DT  | LIC    | ST. LOUIS, MO     | BLANK00000055432 | 416.2    |
| No  | K23AA-D | D23  | LD  | LIC    | BEATRICE, NE      | BLDTT20081114ACW | 202.0    |
| No  | KSBI    | D23  | DT  | LIC    | OKLAHOMA CITY, OK | BLANK00000055374 | 432.2    |
| No  | KSBI    | D23  | DT  | LIC    | OKLAHOMA CITY, OK | BLCDT20140530AFS | 432.2    |
| No  | KTUO-LD | D23  | LD  | LIC    | TULSA, OK         | BLANK00000191002 | 331.8    |
| No  | KRLJ-LD | D24  | LD  | LIC    | JOPLIN, MO        | BLANK00000079995 | 206.4    |
| Yes | KCTV    | D24  | DT  | LIC    | KANSAS CITY, MO   | BLANK00000153301 | 49.5     |
| No  | KSNB-TV | D24  | DT  | LIC    | YORK, NE          | BLANK00000186767 | 263.7    |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23  
 Mask: Full Service  
 Latitude: 39 0 45.60 N (NAD83)  
 Longitude: 95 9 3.30 W  
 Height AMSL: 357.0 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: PSI-PSILP160I (ID 20399) 275.0 deg  
 Elev Pattern: Generic  
 Elec Tilt: 0.75

49.7 dBu contour:

| Azimuth | ERP     | HAAT   | Distance |
|---------|---------|--------|----------|
| 0.0 deg | 7.04 kW | 66.1 m | 35.8 km  |
| 45.0    | 5.40    | 89.3   | 37.9     |
| 90.0    | 6.73    | 97.7   | 40.0     |
| 135.0   | 5.77    | 95.8   | 39.0     |
| 180.0   | 6.24    | 99.0   | 39.8     |
| 225.0   | 11.4    | 102.0  | 43.1     |
| 270.0   | 15.0    | 96.7   | 43.9     |
| 315.0   | 12.4    | 53.7   | 36.3     |

Database HAAT does not agree with computed HAAT  
 Database HAAT: 0 m Computed HAAT: 88 m

Distance to Canadian border: 1044.2 km  
 Distance to Mexican border: 1175.6 km

Conditions at FCC monitoring station: Grand Island NE  
 Bearing: 308.3 degrees Distance: 350.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 281.3 degrees Distance: 871.4 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%

Proposal causes 0.01% interference to BLANK0000197508 CP scenario 1

Proposal causes 0.30% interference to BLANK0000112964 LIC scenario 2

Proposal causes 0.01% interference to BLANK0000153301 LIC scenario 1

---- Below is IX received by proposal KTPE-LD FINAL ----

Proposal receives 58.60% interference from scenario 1

Proposal receives 58.60% interference from scenario 2

No IX check failures found.