

Study created: 2023.06.26 15:11:08 Jmc

Study build station data: LMS TV 2023-06-25

Proposal: K20PC-D D20 LD APP CENTERVILLE, TX
File number: BLANK0000216862
Facility ID: 181616
Station data: User record
Record ID: 1540
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 | KJYK-LD | D19 | LD | LIC | BEAUMONT, TX | BLANK00000179010 | 194.8 km |
| No | KTVT | D19 | DT | LIC | FORT WORTH, TX | BLANK00000203476 | 212.7 |
| No | KTXH | D19 | DT | CP | HOUSTON, TX | BLANK00000192985 | 165.8 |
| No | KTXH | D19 | DT | LIC | HOUSTON, TX | BLANK00000210739 | 167.1 |
| No | K200C-D | D20 | LD | LIC | EL DORADO, AR | BLANK00000084798 | 359.8 |
| No | KZUP-CD | D20 | DC | LIC | BATON ROUGE, LA | BLDTA20100308ABT | 414.4 |
| No | KLTL-TV | D20 | DT | LIC | LAKE CHARLES, LA | BLEDT20100216ABR | 252.5 |
| No | KTSH-CD | D20 | DC | LIC | SHREVEPORT, LA | BLANK00000071739 | 228.0 |
| No | K200H-D | D20 | LD | CP | ARDMORE, OK | BLANK00000168880 | 360.4 |
| No | K200H-D | D20 | LD | LIC | ARDMORE, OK | BLANK00000164559 | 360.4 |
| No | K20MH-D | D20 | LD | LIC | DUNCAN, OK | BLANK00000072559 | 425.2 |
| No | KADF-LD | D20 | LD | APP | AUSTIN, TX | BLANK00000087835 | 232.6 |
| No | KMBA-LD | D20 | LD | LIC | AUSTIN, TX | BLANK00000197475 | 232.6 |
| No | KADF-LD | D20 | LD | LIC | AUSTIN, TX | BLANK00000197433 | 232.6 |
| No | K200M-D | D20 | LD | CP | BEAUMONT, TX | BLANK00000171574 | 194.7 |
| No | K200M-D | D20 | LD | LIC | BEAUMONT, TX | BLANK00000152190 | 181.8 |
| Yes | K20KJ-D | D20 | LD | LIC | BRYAN, TX | BLANK00000212762 | 86.1 |
| No | KZCZ-LD | D20 | LD | LIC | COLLEGE STATION, TX | BLANK00000078195 | 166.8 |
| No | KBOP-LD | D20 | LD | LIC | DALLAS-FT WORTH, TX | BLDTL20110120ACW | 217.2 |
| Yes | KFXK-TV | D20 | DT | LIC | LONGVIEW, TX | BLANK00000071623 | 143.4 |
| No | KUVM-CD | D20 | DC | LIC | MISSOURI CITY, TX | BLANK00000071589 | 167.1 |
| No | KRTX-LD | D20- | LD | LIC | SAN ANTONIO, TX | BLANK00000063010 | 329.2 |
| No | KRTX-LD | N20- | TX | LIC | SAN ANTONIO, TX | BLTT19981014JC | 339.0 |
| No | KHPM-CD | D20 | DC | LIC | SAN MARCOS, TX | BLANK00000074893 | 266.3 |
| No | KTXS-TV | D20 | DT | CP | SWEETWATER, TX | BLANK00000035779 | 458.1 |
| No | KTXS-TV | D20 | DT | LIC | SWEETWATER, TX | BLCDT20080815ABJ | 458.1 |
| No | KAVU-TV | D20 | DT | LIC | VICTORIA, TX | BLANK00000112500 | 291.0 |
| No | KVPO-LD | D21 | LD | CP | SHREVEPORT, LA | BLANK00000198683 | 229.5 |
| No | KXAN-TV | D21 | DT | LIC | AUSTIN, TX | BLANK00000121393 | 232.3 |
| No | KXAN-TV | D21 | DT | CP | AUSTIN, TX | BLANK00000127602 | 232.3 |
| No | KDTX-TV | D21 | DT | LIC | DALLAS, TX | BLANK00000075181 | 217.4 |
| No | KZJL | D21 | DT | LIC | HOUSTON, TX | BLANK00000072328 | 167.1 |
| No | KHTX-LD | D21 | LD | LIC | HUNTSVILLE, TX | BLANK00000014078 | 40.6 |
| No | K21PE-D | D21 | LD | LIC | TYLER, TX | BLANK00000212512 | 166.3 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20

Mask: Full Service
Latitude: 31 3 58.60 N (NAD83)
Longitude: 95 31 35.40 W
Height AMSL: 208.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: IRTE-1230 EH 189.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

49.4 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|----------|---------|----------|
| 0.0 deg | 0.167 kW | 112.9 m | 22.9 km |
| 45.0 | 0.009 | 133.0 | 11.7 |
| 90.0 | 0.048 | 143.1 | 18.8 |
| 135.0 | 2.98 | 129.2 | 39.0 |
| 180.0 | 14.5 | 146.2 | 48.2 |
| 225.0 | 8.06 | 141.0 | 44.9 |
| 270.0 | 0.049 | 148.7 | 19.3 |
| 315.0 | 0.006 | 132.6 | 10.7 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 136 m

Distance to Canadian border: 1633.7 km

Distance to Mexican border: 541.1 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 210.2 degrees Distance: 463.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 321.7 degrees Distance: 1332.7 km

No land mobile station failures found

Study cell size: 1.00 km
Profile point spacing: 0.10 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 BLANK00000216862 ----

Proposal receives 13.35% interference from scenario 1
No IX check failures found.