

Study created: 2020.11.17 08:31:33 JMc

Study build station data: LMS TV 2020-11-17

Proposal: KVQT-LD D14 LD CP HOUSTON, TX
File number: BLANK0000053657
Facility ID: 57187
Station data: User record
Record ID: 1137
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 | KLAF-LD | D14 | LD | LIC | LAFAYETTE, LA | BLANK0000081306 | 339.9 km |
| No | KYHT-LD | D14 | LD | CP | LAKE CHARLES, LA | BLANK0000054614 | 258.5 |
| No | K39JV | D14z | LD | CP | OPELOUSAS, LA | BLANK00000123647 | 365.5 |
| No | K39JV | D14z | LD | LIC | OPELOUSAS, LA | BLANK00000124049 | 365.5 |
| No | KXLK-CD | D14 | DC | LIC | AUSTIN, TX | BLANK00000116332 | 235.9 |
| No | NEW | D14 | LD | APP | BEAUMONT, TX | BNPDTL20090825AYS | 154.9 |
| Yes | NEW | D14 | LD | APP | BEAUMONT, TX | BNPDTL20090825AQZ | 154.9 |
| Yes | K14TB-D | D14 | LD | CP | COLLEGE STATION, TX | BLANK00000116855 | 142.8 |
| No | KERA-TV | D14 | DT | LIC | DALLAS, TX | BLEDTL20140903AFQ | 358.0 |
| No | KWTC-LD | D14- | LD | LIC | KERRVILLE, TX | BLANK0000036258 | 322.7 |
| No | KIBN-LD | D14 | LD | LIC | LUFKIN, TX | BLANK00000001197 | 211.8 |
| No | KTLM | D14 | DT | LIC | RIO GRANDE CITY, TX | BLANK00000113661 | 458.4 |
| No | K14NR-D | D14 | LD | LIC | TYLER, TX | BLDTL20140218AHN | 306.9 |
| No | K10PL-D | D14 | LD | CP | VICTORIA, TX | BLANK0000054196 | 208.5 |
| No | KFDM | D15 | DT | LIC | BEAUMONT, TX | BLANK0000063111 | 160.6 |
| No | KRHD-CD | D15 | DC | LIC | BRYAN, TX | BLANK00000108095 | 160.8 |
| Yes | KVVV-LD | D15 | LD | CP | HOUSTON, TX | BLANK0000056548 | 0.0 |
| No | KVVV-LD | D15 | LD | LIC | HOUSTON, TX | BLDTL20120125ABS | 0.0 |
| No | KHPL-CD | D15 | DC | LIC | LA GRANGE, TX | BLANK0000074892 | 137.7 |
| No | KYTX | D15 | DT | LIC | NACOGDOCHES, TX | BLANK0000071581 | 262.7 |
| No | KVDA | D15 | DT | LIC | SAN ANTONIO, TX | BLANK00000113393 | 267.8 |
| No | KVTX-LD | D15 | LD | LIC | VICTORIA, TX | BLANK00000118288 | 176.3 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14
Mask: Full Service
Latitude: 29 34 16.00 N (NAD83)
Longitude: 95 30 38.00 W
Height AMSL: 420.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: PSILP16WCRR 55.0 deg
Elev Pattn: Generic
Elec Tilt: 0.75

48.7 dBu contour:
Azimuth ERP HAAT Distance

| | | | |
|---------|---------|---------|---------|
| 0.0 deg | 7.04 kW | 400.3 m | 59.1 km |
| 45.0 | 12.8 | 402.5 | 62.6 |
| 90.0 | 7.09 | 401.8 | 59.2 |
| 135.0 | 13.0 | 400.6 | 62.7 |
| 180.0 | 6.11 | 401.8 | 58.4 |
| 225.0 | 0.019 | 401.5 | 25.2 |
| 270.0 | 1.40 | 399.4 | 50.0 |
| 315.0 | 13.6 | 395.4 | 62.6 |

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 400 m

Distance to Canadian border: 1764.5 km

Distance to Mexican border: 423.2 km

Conditions at FCC monitoring station: Kingsville TX
 Bearing: 225.0 degrees Distance: 331.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 325.6 degrees Distance: 1467.5 km

No land mobile station failures found

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%

**IX check failure to BLANK00000056548 CP scenario 1, 2.99% interference caused