K26PE-D FI 184624

Ponca City, OK

Minor Change: Change antenna make and model, reduce ERP and RCAGL.

Controlled access site, no new construction.

Study created: 2022.07.25 14:30:39

Study build station data: LMS TV 2022-07-24

 Proposal: K26PE-D D26 LD CP PONCA CITY, OK

 File number: 100 w @ 45

 Facility ID: 184624

Station data: User record

 Record ID: 283

 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 KGCT-CD D25 DC LIC NOWATA, OK BLDTA20091222AAA 173.2 km

Yes KWTV-DT D25 DT LIC OKLAHOMA CITY, OK BLANK0000067689 111.1

No KXUN-LD D26 LD LIC FORT SMITH, AR BLANK0000064232 315.7

No K26GS-D D26 LD LIC HARRISON, AR BLDTL20100517AFK 410.4

No K26PI-D D26z LD LIC Kansas City, KS BLANK0000160335 238.1

No WROB-LD D26 LD LIC TOPEKA, KS BLDTL20140908AFA 306.8

No KSAS-TV D26 DT LIC WICHITA, KS BLCDT20021120AAN 131.6

No KCNH-LD D26 LD LIC Springfield, MO BLANK0000135315 391.6

No KLNE-TV D26 DT LIC LEXINGTON, NE BLANK0000123803 451.9

No K26PA-D D26 LD LIC ARDMORE, OK BLANK0000176900 274.3

No DKSWX-LD D26- LD APP DUNCAN, OK BLANK0000074560 232.4

No K26NC-D D26 LD LIC ELK CITY, OK BLANK0000058431 205.2

No K26JO-D D26 LD LIC GUYMON, OK BLDTT20111227ACD 346.8

No K26ND-D D26 LD LIC HOLLIS, OK BLANK0000058436 288.1

No KLHO-LD D26 LD LIC OKLAHOMA CITY, OK BLANK0000177496 136.6

No KOTV-DT D26 DT LIC TULSA, OK BLANK0000116553 181.9

No K26IS-D D26 LD LIC WOODWARD, ETC., OK BLDTT20101007ABL 151.8

No KLHP-LD D26 LD LIC DALLAS, TX BLANK0000155145 399.5

No K26KN-D D26 LD CP MCCLEAN, TX BNPDTL20100406ACQ 314.7

No KNMW-LD D26 LD LIC MINERAL WELLS, TX BLANK0000062727 418.9

No K26NK-D D26- LD LIC WICHITA FALLS, TX BLANK0000055164 315.4

No K26NK-D D26- LD CP WICHITA FALLS, TX BLANK0000144493 313.6

No KFVT-LD D27 LD LIC WICHITA, KS BLANK0000107113 134.0

No KFOR-TV D27 DT LIC OKLAHOMA CITY, OK BLANK0000121786 114.4

No KFOR-TV D27 DT CP OKLAHOMA CITY, OK BLANK0000127588 114.4

No K40KC-D D27 LD APP TULSA, OK BLANK0000195612 149.5

No K40KC-D D27 LD CP TULSA, OK BLANK0000051831 149.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

 Channel: D26

 Mask: Simple

 Latitude: 36 35 42.00 N (NAD83)

 Longitude: 97 34 38.90 W

Height AMSL: 349.5 m (Adjusted based on actual ground elevation calculation)

 HAAT: 0.0 m

 Peak ERP: 0.100 kW

 Antenna: Sam-SAMCO160 (ID 1009817) 45.0 deg

Elev Pattrn: Generic

50.0 dBu contour:

Azimuth ERP HAAT Distance

 0.0 deg 0.029 kW 38.3 m 8.3 km

 45.0 0.100 44.9 12.1

 90.0 0.029 34.8 7.9

135.0 0.000 42.5 3.0

180.0 0.003 25.7 4.3

225.0 0.005 23.6 4.9

270.0 0.003 16.7 4.3

315.0 0.000 36.3 2.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 33 m

Distance to Canadian border: 1360.2 km

Distance to Mexican border: 837.5 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 351.5 degrees Distance: 486.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 302.8 degrees Distance: 772.7 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.