FI 183963 K26KF-D

Duluth

Minor Change to ASR 1219696 reduce ERP, change antenna make and model. Controlled access site, no new construction.

Study created: 2022.08.06 11:36:58

Study build station data: LMS TV 2022-08-03

 Proposal: K26KF-D D26 LD CP DULUTH, MN

 File number: ASR 1219696

 Facility ID: 183963

Station data: User record

 Record ID: 330

 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 KJNK-LD D25 LD LIC MINNEAPOLIS, MN BLDTT20090528ACL 220.6 km

No KJNK-LD D25 LD LIC MINNEAPOLIS, MN BLANK0000129957 220.6

No WQOW D25 DT LIC EAU CLAIRE, WI BLANK0000135118 226.7

No K26CL-D D26 LD LIC ALEXANDRIA, MN BLDTL20120313ABG 272.8

No KFTC D26 DT LIC BEMIDJI, MN BLCDT20090206AAG 220.2

No WDMI-LD D26 LD LIC MINNEAPOLIS, MN BLANK0000194480 208.1

No K26KM-D D26 LD APP ORR, MN BLDTT20120315AAJ 142.7

No KXLT-TV D26 DT LIC ROCHESTER, MN BLANK0000063320 351.2

No K26OH-D D26 LD LIC ROSEAU, MN BLANK0000066871 356.4

No K26PF-D D26 LD LIC SAINT CLOUD, MN BLANK0000179704 229.2

No K26PF-D D26 LD CP SAINT CLOUD, MN BLANK0000184986 221.7

No K26CS-D D26 LD LIC ST. JAMES, MN BLANK0000124213 355.4

No K39FE-D D26 LD LIC WILLMAR, MN BLANK0000060757 289.4

No NEW D26 DT APP EAGLE RIVER, WI BLANK0000195674 247.2

No W26FG-D D26 LD CP EAU CLAIRE, WI BLANK0000193272 231.3

No W26FG-D D26 LD APP EAU CLAIRE, WI BLANK0000195966 231.3

No WZEO-LD D26 LD CP LA CROSSE, WI BLANK0000177156 344.0

No WKOW D26 DT LIC MADISON, WI BLCDT20111006AAO 461.9

No W26EE-D D26 LD LIC WITTENBERG, WI BLDTL20120620ABV 314.6

No KCWV D27 DT CP DULUTH, MN BLANK0000036079 0.7

No KCWV D27 DT LIC DULUTH, MN BLANK0000004652 0.7

No WHWC-TV D27 DT LIC MENOMONIE, WI BLANK0000157562 194.6

No K29EB-D N29- TX LIC GRAND RAPIDS, MN BLTT20021011AAW 114.8

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: 46 47 21.00 N (NAD83)

 Longitude: 92 6 48.90 W

Height AMSL: 385.1 m (Adjusted based on actual ground elevation calculation)

 HAAT: 0.0 m

 Peak ERP: 0.100 kW

 Antenna: Sam-SAMCO160 (ID 1009817) 180.0 deg

Elev Pattrn: Generic

50.0 dBu contour:

Azimuth ERP HAAT Distance

 0.0 deg 0.005 kW -37.0 m 4.9 km

 45.0 0.003 80.0 6.9

 90.0 0.000 202.1 6.3

135.0 0.029 202.1 19.1

180.0 0.100 188.2 24.6

225.0 0.029 70.8 11.3

270.0 0.000 -15.9 2.6

315.0 0.003 -42.8 4.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 81 m

Proposal 24.95 dBu contour does not cross Canadian border

Distance to Canadian border: 145.4 km

Distance to Mexican border: 2054.3 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 131.5 degrees Distance: 672.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 239.8 degrees Distance: 1286.8 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%

---- Below is IX received by proposal ASR 1219696 ----

Proposal receives 56.39% interference from scenario 1

Proposal receives 32.72% interference from scenario 2

No IX check failures found.