MINOR MODIFICATION FI 187896 W34EQ-D

INCREASE ERP.

EXISTING SITE, NO NEW CONSTRUCTION.

Study created: 2021.11.25 11:58:03

Study build station data: LMS TV 2021-11-16

Proposal: W34EQ-D D34 LD LIC BANGOR, ME

File number: 5kW

Facility ID: 187896

Station data: User record

Record ID: 327

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 DWCKD-LP N30 TX APP BANGOR, ME BLTT20140930AJL 0.0 km

Yes WBGR-LD N33+ TX CP BANGOR/DEDHAM, ME BPTTL20140910ADV 0.0

No WBGR-LD N33+ TX LIC BANGOR/DEDHAM, ME BLTTL19990707JC 21.2

No WTIC-TV D34 DT LIC HARTFORD, CT BLANK0000159941 476.0

No WFXT D34 DT LIC BOSTON, MA BLANK0000080060 342.5

No WPXT D34 DT LIC PORTLAND, ME BLANK0000107908 188.3

No W34DQ-D D34 LD LIC PITTSBURG, NH BLDTT20121107ABX 193.6

No WYCI D34 DD APP SARANAC LAKE, NY BLANK0000127536 379.9

No WYCI D34 DT LIC SARANAC LAKE, NY BLANK0000078627 419.3

No WFYW-LP D35- LD CP FAIRFIELD/WATERVILLE, ME BLANK0000030286 75.1

No WFYW-LP N41- TX LIC FAIRFIELD/WATERVILLE, ME BLTTL19991208ABY 75.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34

Mask: Full Service

Latitude: 44 52 43.80 N (NAD83)

Longitude: 68 52 57.60 W

Height AMSL: 104.3 m

HAAT: 0.0 m

Peak ERP: 5.00 kW

Antenna: SCA-CL-1469 (ID 20778) 150.0 deg

Elev Pattrn: Generic

50.7 dBu contour:

Azimuth ERP HAAT Distance

0.0 deg 0.000 kW 57.9 m 3.6 km

45.0 0.000 62.0 3.7

90.0 0.000 53.2 3.5

135.0 3.87 65.8 31.7

180.0 1.93 51.8 25.8

225.0 0.000 56.7 3.6

270.0 0.000 30.7 2.7

315.0 0.000 56.2 3.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 54 m

Proposal 25.68 dBu contour does not cross Canadian border

Distance to Canadian border: 118.1 km

Distance to Mexican border: 3266.9 km

Conditions at FCC monitoring station: Belfast ME

Bearing: 198.2 degrees Distance: 50.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 272.8 degrees Distance: 2997.6 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.