

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Bangor19d15kwF, Model: Longley-Rice

Start: 2021.05.17 12:52:15

Study created: 2021.05.17 12:52:14

Study build station data: LMS TV 2021-05-16

Proposal: W43DH-D D19 LD APP Bangor, ME

Facility ID: 186112

Station data: User record

Record ID: 2173

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
Yes	WBGR-LD	D18	LD	LIC	BANGOR/DEDHAM, ME	BLANK0000024376	28.2 km
No	WUTF-TV	D19	DT	LIC	WORCESTER, MA	BLANK0000120256	347.1
Yes	W20ER-D	D20	LD	CP	BANGOR, ME	BNPDTL20100728AFK	20.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19

Mask: Full Service

Latitude: 44 45 36.60 N (NAD83)

Longitude: 68 33 55.30 W

Height AMSL: 349.7 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	303.8 m	57.8 km
45.0	15.0	199.5	51.8
90.0	15.0	249.3	54.6
135.0	15.0	261.3	55.3
180.0	15.0	191.4	51.3
225.0	15.0	244.6	54.4
270.0	15.0	295.9	57.3
315.0	15.0	290.7	57.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 255 m

**Proposal 24.25 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 101.5 km

Distance to Mexican border: 3281.9 km

Conditions at FCC monitoring station: Belfast ME

Bearing: 229.6 degrees Distance: 53.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 273.3 degrees Distance: 3023.3 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%

Interference to BLANK0000024376 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBGR-LD	D18	LD	LIC	BANGOR/DEDHAM, ME	BLANK0000024376	
Undesireds:	W43DH-D	D19	LD	APP	Bangor, ME		28.2 km
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	521.2 62,671		493.1 61,979		493.1 61,979	481.0 61,565	2.45 0.67
Undesired				Total IX	Unique IX, before	Unique IX, after	
W43DH-D D19 LD APP			12.1	414		12.1 414	

Interference to BNPDTL20100728AFK CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W20ER-D	D20	LD	CP	BANGOR, ME	BNPDTL20100728AFK	
Undesireds:	W43DH-D	D19	LD	APP	Bangor, ME		20.1 km
	WCAX-TV	D20	DT	LIC	BURLINGTON, VT	BLANK0000090403	320.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	5101.3 152,909		4613.9 145,626		4611.9 145,626	4549.7 145,153	1.35 0.32
Undesired				Total IX	Unique IX, before	Unique IX, after	
W43DH-D D19 LD APP			62.2	473		62.2 473	
WCAX-TV D20 DT LIC			2.0	0	2.0 0	2.0 0	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W43DH-D	D19	LD	APP	Bangor, ME		
Undesireds:	WBGR-LD	D18	LD	LIC	BANGOR/DEDHAM, ME	BLANK0000024376	28.2 km

W20ER-D D20 LD CP BANGOR, ME BNPDTL20100728AFK 20.1

Service area		Terrain-limited		IX-free		Percent IX	
9573.1	197,058	8977.5	192,831	8839.4	190,175	1.54	1.38
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WBGR-LD D18 LD LIC	1.0	0	0.0	0	0.00	0.00	
W20ER-D D20 LD CP	138.2	2,656	137.2	2,656	1.53	1.38	