

## Minor Modification

Study created: 2022.06.27 09:46:41

Study build station data: LMS TV 2022-06-23

Proposal: W29DZ-D D29 LD CP AUGUSTA, ME  
File number: ASR 1296800 100w  
Facility ID: 184054  
Station data: User record  
Record ID: 1155  
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	DWGBI-LP	N21	TX	APP	FARMINGTON, ME	BLTT19980428JE	33.3 km
No	WAGM-TV	D28	DT	APP	PRESQUE ISLE, ME	BLANK0000153743	255.3
No	WVTB	D28	DT	LIC	ST. JOHNSBURY, VT	BLANK0000098226	167.5
No	WNEU	D29	DT	LIC	MERRIMACK, NH	BLANK0000116628	291.9
No	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	450.0
No	W29EW-D	D29	LD	LIC	WILLSBORO, NY	BLANK0000059921	290.8
No	W28DQ-D	D29	LD	CP	WINDSOR, VT	BLANK0000051758	255.8
No	DWCKD-LP	N30	TX	APP	BANGOR, ME	BLTT20140930AJL	73.5
No	WBGR-LD	N33+	TX	CP	BANGOR/DEDHAM, ME	BPTTL20140910ADV	73.5
No	WBGR-LD	N33+	TX	LIC	BANGOR/DEDHAM, ME	BLTTL19990707JC	85.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29  
Mask: Simple  
Latitude: 44 43 0.10 N (NAD83)  
Longitude: 69 47 6.10 W  
Height AMSL: 103.4 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.100 kW  
Antenna: SBP-UPSL (ID 100733) 90.0 deg  
Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-16.1 m	2.2 km
45.0	0.023	26.3	6.9
90.0	0.100	6.1	9.9
135.0	0.023	26.2	6.9
180.0	0.000	14.2	2.2
225.0	0.000	-22.6	2.2
270.0	0.000	18.2	2.2
315.0	0.000	7.0	2.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 7 m

Proposal 25.23 dBu contour does not cross Canadian border

Distance to Canadian border: 99.7 km

Distance to Mexican border: 3196.6 km

Conditions at FCC monitoring station: Belfast ME

Bearing: 118.2 degrees Distance: 63.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 272.6 degrees    Distance: 2927.4 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.

**ASR 1296800**

0000193233

Latitude: 44-43-00.10 N

Longitude: 069-47-06.10 W

ERP: 0.10 kW

Channel: 29

Frequency: 563.0 MHz

AMSL Height: 101.4 m

Elevation: 95.4 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 0.75

Prop Model: Longley-Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0


Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

 Line of Sight