

**OET-69 Study W05DF-D Proposed Construction Permit Modification**

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
TW Census data selected 2000  
Data Base Selected  
/space/software/cdbs/pt\_tvdb.sff

W05DF-D 05 BANGOR ME BMPDVL 20140626ABU

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-01-2015 Time: 10:36:06

Record Selected for Analysis

W05DF-D USERRECORD-01 BANGOR ME US  
Channel 05 ERP 2.2 kW HAAT 31. m RCAMSL 00070 m SIMPLE MASK  
Latitude 044-47-27 Longitude 0068-52-00  
Status APP Zone 1 Border Site number: 01  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station  
Service Class = LD  
Maximum height/power limits not checked

Site number	ERP	HAAT	43.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	2.200	33.0	30.296
45.0	2.200	33.0	30.296
90.0	2.200	37.0	31.622
135.0	2.200	33.0	30.296
180.0	2.200	33.0	30.296
225.0	2.200	33.0	30.296
270.0	2.200	33.0	30.296
315.0	2.200	33.0	30.296

Database HAAT does not agree with computed HAAT  
Database HAAT: 31 Computed HAAT: 33

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance  
Distance to border = 122.7km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

		Proposed Station		
Channel	Call	City/State	ARN	
05	W05DF-D	BANGOR ME	USERRECORD01	

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
05	W05DD-D	ST. FRANCIS ME	264.3	LIC	BLDTV	-
20120529ADR						

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Analysis of Interference to Affected Station 1

Analysis of current record						
Channel	Call	City/State	Application	Ref. No.		
05	W05DD-D	ST. FRANCIS ME	BLDTV	-20120529ADR		

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
05	W05DF-D	BANGOR ME	264.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
05	W05DF-D	BANGOR ME	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
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Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 2  
Before Analysis

Results for: 5A ME BANGOR USERRECORD01 APP  
HAAT 31.0 m, ATV ERP 2.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	122132	2915.8
not affected by terrain losses	122126	2914.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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