

**W32FB-D PROPOSED CP MOD FACILITY ON CH. 32 POST-TRANSITION - TVSTUDY**

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000054704 #1933, Model: Longley-Rice

Start: 2019.05.22 09:27:48

Study created: 2019.05.22 09:27:47

Study build station data: LMS TV 2019-05-22

Proposal: W32FB-D D32 LD APP CAGUAS PSIBB190 15KW, PR  
File number: BLANK0000054704  
Facility ID: 181818  
Station data: User record  
Record ID: 951  
Country: U.S.

Search options:

Baseline record excluded if station has CP

Individual records excluded:

0000010483 W33DD-D D33 LD LIC TUTU, ST THOMAS, VI BLANK0000010483 - DISPLACED TO CH. 31  
0000010684 W32DV-D D32 LD LIC ARROYO, PR BLANK0000010684 - DISPLACED TO CH. 17

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W29CB	N29	TX	LIC	ST. THOMAS, VI	BLTTTL19971105II	112.1 km
No	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	30.7
Yes	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000059669	6.6
No	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	102.0
No	W33DD-D	D31	LD	CP	TUTU, ST THOMAS, VI	BLANK0000053904	114.1
Yes	WIVE-LP	D32-	LD	CP	CEIBA, PR	BLANK0000072008	37.4
Yes	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	102.0
No	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	122.2
No	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	74.2
No	W33CY-D	D33	LD	LIC	ANASCO, PR	BLDTL20140404AAX	122.2
No	W44DH-D	D33	LD	APP	CAGUAS, PR	BLANK0000053906	0.0
No	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	102.0
Yes	W34DY-D	D33	LD	CP	VIEQUES, PR	BLANK0000071836	37.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
Mask: Full Service  
Latitude: 18 15 19.80 N (NAD83)  
Longitude: 66 1 24.60 W  
Height AMSL: 161.5 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: PSI-PSILP8BB (ID 1003599) 190.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.50

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.864 kW	86.9 m	27.3 km
45.0	0.630	15.5	15.1
90.0	0.864	6.0	16.6
135.0	13.0	17.6	29.1
180.0	14.4	-167.2	29.6
225.0	14.1	-120.0	29.5
270.0	4.06	-98.6	23.8
315.0	0.726	63.5	23.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -25 m

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 233.2 degrees Distance: 46.4 km

Proposal is not within the West Virginia quiet zone area  
 Conditions at Table Mountain receiving zone:  
 Bearing: 311.4 degrees Distance: 4460.1 km

Study cell size: 0.50 km  
 Profile point spacing: 0.04 km

Maximum new IX to full-service and Class A: 0.50%  
 Maximum new IX to LPTV: 2.00%

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 Interference to BLANK0000059669 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000059669	
Undesireds:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	6.6 km
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	1.4
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	95.7
	W33DD-D	D31	LD	CP	TUTU, ST THOMAS, VI	BLANK0000053904	120.4
	WIVE-LP	D32-	LD	CP	CEIBA, PR	BLANK0000072008	43.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6624.0 2,226,291		5328.2 2,066,242		4600.7 1,935,196		4600.5 1,935,161	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
W32FB-D D32 LD APP		0.7 35				0.2 35	
WRFB D30 DT CP		148.2 124,416		106.8 121,089		106.3 121,089	
WNJX-TV D31 DT CP		336.1 4,681		321.1 2,254		321.1 2,254	
W33DD-D D31 LD CP		298.1 5,276		236.8 4,376		236.8 4,376	
WIVE-LP D32- LD CP		20.4 0		0.0 0		0.0 0	

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 Interference to BLANK0000072008 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVE-LP	D32-	LD	CP	CEIBA, PR	BLANK0000072008	
Undesireds:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	37.4 km
	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	56.1
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	139.4
	W44DH-D	D33	LD	APP	CAGUAS, PR	BLANK0000053906	37.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7065.9 525,051		6397.2 325,917		6018.1 320,697		6009.5 318,310	0.14 0.74
Undesired		Total IX		Unique IX, before		Unique IX, after	
W32FB-D D32 LD APP		9.6 2,406				8.6 2,387	
W31DV-D D31 LD LIC		13.3 0		11.1 0		11.1 0	
WIPM-TV D32 DT CP		367.5 5,201		365.3 5,201		364.8 5,201	
W44DH-D D33 LD APP		0.5 19		0.5 19		0.0 0	

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 Interference to BLANK0000072008 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVE-LP	D32-	LD	CP	CEIBA, PR	BLANK0000072008	
Undesireds:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	37.4 km
	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000059669	43.8
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	139.4
	W44DH-D	D33	LD	APP	CAGUAS, PR	BLANK0000053906	37.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7065.9 525,051		6397.2 325,917		6029.2 320,697		6020.6 318,310	0.14 0.74
Undesired		Total IX		Unique IX, before		Unique IX, after	
W32FB-D D32 LD APP		9.6 2,406				8.6 2,387	
W31DV-D D31 LD CP		0.5 19		0.0 0		0.0 0	
WIPM-TV D32 DT CP		367.5 5,201		367.5 5,201		367.0 5,201	
W44DH-D D33 LD APP		0.5 19		0.0 0		0.0 0	

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Interference to BLANK0000024551 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	
Undesireds:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	102.0 km
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	44277.1 2,196,114		43860.4 1,869,737		43860.4 1,869,737	43851.0 1,860,949	0.02 0.47
Undesired			Total IX		Unique IX, before	Unique IX, after	
W32FB-D D32 LD APP			9.4 8,788			9.4 8,788	

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Interference to BLANK0000071836 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W34DY-D	D33	LD	CP	VIEQUES, PR	BLANK0000071836	
Undesireds:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	37.4 km
	W44DH-D	D33	LD	APP	CAGUAS, PR	BLANK0000053906	37.4
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	139.4
	W33CY-D	D34	LD	CP	ANASCO, PR	BLANK0000053622	139.4
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	19.2
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	7036.6 521,632		6368.4 325,286		6005.1 316,182	6005.1 316,182	0.00 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	
W32FB-D D32 LD APP			0.5 19			0.0 0	
W44DH-D D33 LD APP			6.9 1,557		4.7 758	4.7 758	
WJWN-TV D33 DT CP			328.9 5,282		104.5 5,282	104.5 5,282	
WIDP D34 DT CP			254.2 3,064		27.6 2,265	27.6 2,265	

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	
Undesireds:	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	30.7 km
	WIVE-LP	D32-	LD	CP	CEIBA, PR	BLANK0000072008	37.4
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	102.0
	Service area		Terrain-limited		IX-free	Percent IX	
	1960.5 1,414,782		1655.4 1,157,603		1638.9 1,152,519	1.00 0.44	
Undesired			Total IX		Unique IX	Prcnt Unique IX	
W31DV-D D31 LD LIC			0.2 0		0.0 0	0.00 0.00	
WIVE-LP D32- LD CP			14.5 3,836		13.3 3,752	0.80 0.32	
WIPM-TV D32 DT CP			3.0 1,332		2.0 1,248	0.12 0.11	

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Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32FB-D	D32	LD	APP	CAGUAS PSIBB190 15KW, PR	BLANK0000054704	
Undesireds:	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000059669	6.6 km
	WIVE-LP	D32-	LD	CP	CEIBA, PR	BLANK0000072008	37.4
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	102.0
	Service area		Terrain-limited		IX-free	Percent IX	
	1960.5 1,414,782		1655.4 1,157,603		1621.6 1,144,197	2.04 1.16	
Undesired			Total IX		Unique IX	Prcnt Unique IX	
W31DV-D D31 LD CP			21.7 9,313		17.2 8,322	1.04 0.72	
WIVE-LP D32- LD CP			14.5 3,836		10.6 2,979	0.64 0.26	
WIPM-TV D32 DT CP			3.0 1,332		1.0 1,037	0.06 0.09	