

W33DD-D LICENSED DISPLACED FACILITY ON CH 33 TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000010483 #1194, Model: Longley-Rice
Start: 2018.05.08 15:21:28

Study created: 2018.05.08 15:21:28

Study build station data: LMS TV 2018-05-08

Proposal: W33DD-D D33 LD LIC TUTU, ST THOMAS, VI
File number: BLANK0000010483
Facility ID: 181829
Station data: LMS TV 2018-05-08
Record ID: 25076f9153aedc3a0153b8b7e7aa0908
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Baseline record excluded if station has CP

All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W29CB	N29	TX	LIC	ST. THOMAS, VI	BLTTL19971105II	2.0 km
No	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	128.9
No	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	216.1
No	W33CY-D	D33	LD	LIC	ANASCO, PR	BLDTL20140404AAX	235.5
Yes	WRUA	D33	DT	LIC	FAJARDO, PR	BLCDT20090610ABH	89.5
Yes	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	216.1
No	WELU	D34	DT	LIC	AGUADILLA, PR	BLANK0000001308	216.7
No	W33CY-D	D34	LD	APP	ANASCO, PR	BLANK0000053622	216.1
Yes	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	95.9
Yes	W34ED-D	D34	LD	LIC	TRUJILLO ALTO, PR	BLDTL20140404AAY	122.0
Yes	W34DY-D	D34	LD	LIC	VIEQUES, PR	BLANK0000010492	57.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33
Mask: Stringent
Latitude: 18 21 20.80 N (NAD83)
Longitude: 64 56 51.50 W
Height AMSL: 514.7 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ANT-ACS8A (ID 17788) 30.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.0 kW	514.7 m	64.5 km
45.0	14.1	506.9	64.8
90.0	14.1	496.5	64.5
135.0	10.1	500.3	62.5
180.0	0.794	512.6	47.6
225.0	0.693	512.9	46.8
270.0	5.95	445.2	57.5
315.0	14.6	514.7	65.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 500 m

Distance to Canadian border: 2942.3 km

Distance to Mexican border: 3389.1 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 255.7 degrees Distance: 155.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 310.9 degrees Distance: 4538.2 km

Study cell size: 0.50 km
 Profile point spacing: 0.10 km

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

 Interference to BLCDDT20090610ABH LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRUA	D33	DT	LIC	FAJARDO, PR	BLCDDT20090610ABH	
Undesireds:	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	89.5 km
	WELU	D34	DT	LIC	AGUADILLA, PR	BLANK0000001308	127.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27225.3		2,904,974		25752.4 2,628,305		21215.9 2,619,385	17.57 0.34
Undesired				Total IX	Unique IX, before	Unique IX, after	
W33DD-D D33 LD LIC		4532.5		8,920		4520.9 8,920	
WELU D34 DT LIC		15.6		0	15.6 0	4.0 0	

 Interference to BLANK0000027870 CP scenario 1

**IX: 3.35% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	
Undesireds:	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	216.1 km
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	0.0
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	120.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
35366.6		1,959,488		34990.5 1,740,406		34849.5 1,664,324	0.30 3.35
Undesired				Total IX	Unique IX, before	Unique IX, after	
W33DD-D D33 LD LIC		111.2		74,736		104.0 57,724	
WIPM-TV D32 DT CP		29.8		1,346	29.8 1,346	29.8 1,346	
WIDP D34 DT CP		7.1		17,012	7.1 17,012	0.0 0	

 Interference to BLANK0000025304 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	
Undesireds:	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	95.9 km
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	120.2
	WCCV-TV	D35	DT	CP	ARECIBO, PR	BLANK0000026046	95.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24002.1		2,561,120		22035.7 2,348,498		21703.4 2,344,121	0.30 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W33DD-D D33 LD LIC		64.4		27		64.4 27	
WJWN-TV D33 DT CP		259.0		0	259.0 0	259.0 0	
WCCV-TV D35 DT CP		8.9		4,350	8.9 4,350	8.9 4,350	

 Interference to BLDLTL20140404AAY LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W34ED-D	D34	LD	LIC	TRUJILLO ALTO, PR	BLDLTL20140404AAY	
Undesireds:	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	122.0 km
	W33CY-D	D34	LD	APP	ANASCO, PR	BLANK0000053622	95.0
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	27.9
	WWKQ-LD	D34-	LD	APP	QUEBRADILLAS, PR	BLANK0000051821	95.9
	W34DY-D	D34	LD	LIC	VIEQUES, PR	BLANK0000010492	68.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4302.1		1,865,709		3510.5 1,459,792		1525.4 803,872	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
W33DD-D D33 LD LIC	1.5	0		0.0 0
W33CY-D D34 LD APP	7.6	0	0.0 0	0.0 0
WIDP D34 DT CP	1928.0	652,839	1732.5 647,928	1732.5 647,928
WWKQ-LD D34- LD APP	1.7	0	0.0 0	0.0 0
W34DY-D D34 LD LIC	244.0	7,992	57.1 3,081	57.1 3,081

Interference to BLDTL20140404AAY LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W34ED-D	D34	LD	LIC	TRUJILLO ALTO, PR	BLDTL20140404AAY	
Undesireds:	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	122.0 km
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	27.9
	WWKQ-LD	D34-	LD	APP	QUEBRADILLAS, PR	BLANK0000051821	95.9
	W34DY-D	D34	LD	LIC	VIEQUES, PR	BLANK0000010492	68.0
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	4302.1 1,865,709	3510.5 1,459,792	1525.4 803,872	1525.4 803,872	0.00 0.00		

Undesired		Total IX	Unique IX, before	Unique IX, after
W33DD-D D33 LD LIC	1.5	0		0.0 0
WIDP D34 DT CP	1928.0	652,839	1739.4 647,928	1739.4 647,928
WWKQ-LD D34- LD APP	1.7	0	0.0 0	0.0 0
W34DY-D D34 LD LIC	244.0	7,992	57.1 3,081	57.1 3,081

Interference to BLANK0000010492 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W34DY-D	D34	LD	LIC	VIEQUES, PR	BLANK0000010492	
Undesireds:	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	57.9 km
	W33CY-D	D34	LD	APP	ANASCO, PR	BLANK0000053622	162.9
	WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	46.5
	W34ED-D	D34	LD	LIC	TRUJILLO ALTO, PR	BLDTL20140404AAY	68.0
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	5058.2 250,155	4863.6 212,816	3854.6 185,748	3734.6 185,703	3.11 0.02		

Undesired		Total IX	Unique IX, before	Unique IX, after
W33DD-D D33 LD LIC	161.9	45		120.0 45
WIDP D34 DT CP	629.4	25,137	610.2 22,142	609.2 22,142
W34ED-D D34 LD LIC	398.9	4,926	379.7 1,931	339.8 1,931

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	
Undesireds:	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	216.1 km
	W34DY-D	D34	LD	LIC	VIEQUES, PR	BLANK0000010492	57.9
	Service area	Terrain-limited	IX-free	Percent IX			
	11262.3 57,623	11012.5 56,976	10996.3 56,976	0.15 0.00			
Undesired		Total IX	Unique IX	Prcnt Unique IX			
WJWN-TV D33 DT CP	10.8	0	10.8 0	0.10 0.00			
W34DY-D D34 LD LIC	5.4	0	5.4 0	0.05 0.00			