

DISPLACEMENT QUALIFICATION OF W32DV-D

As shown in the included TVStudy interference analysis, the existing facility of W32DV-D will cause impermissible interference of 1.02% to WNJV-TV, 4.07% IX to WIPM-TV, 0.83% IX to WJWN-TV, and is predicted to receive an aggregate interference of 11.2%.

As demonstrated in the included TVstudy interference analysis, the proposed W32DV-D facility on CH 17, Pre-Repack as well as Post Repack is not predicted to cause prohibitive interference to any existing Full Service or Class A TV stations in Puerto Rico, thus this displacement application and its grant is NOT conditioned to the Puerto Rico TV stations completing their transition to the post repack channels.

W32DV-D LICENSED FACILITY ON CH 32 POST REPACK TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000010684 #1010, Model: Longley-Rice

Start: 2018.04.28 13:32:26

Study created: 2018.04.28 13:31:28

Study build station data: LMS TV 2018-04-27

Proposal: W32DV-D D32 LD LIC ARROYO, PR

File number: BLANK0000010684

Facility ID: 182687

Station data: LMS TV 2018-04-27

Record ID: 25076f9153aedc3a0153b590e0d1049e

Country: U.S.

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
Yes	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	30.5 km
No	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	0.0
Yes	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	94.2
No	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	53.6
Yes	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	94.2
Yes	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	119.0
No	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	73.0
No	W33CY-D	D33	LD	LIC	ANASCO, PR	BLDTL20140404AAX	119.0
Yes	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	94.2
No	W33DD-D	D33	LD	LIC	TUTU, ST THOMAS, VI	BLANK0000010483	128.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32

Mask: Full Service

Latitude: 17 59 28.00 N (NAD83)
Longitude: 66 6 23.70 W
Height AMSL: 286.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ANT-ACS8AR (ID 17789) 180.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.013 kW	-169.0 m	6.0 km
45.0	0.013	-101.6	6.0
90.0	12.2	219.8	50.4
135.0	13.0	286.0	54.5
180.0	15.0	285.2	55.2
225.0	13.0	281.0	54.2
270.0	12.2	212.2	50.0
315.0	0.013	-231.0	6.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 98 m

Distance to Canadian border: 2978.1 km

Distance to Mexican border: 3289.0 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 273.2 degrees Distance: 28.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.7 degrees Distance: 4473.0 km

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

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

Interference to BLANK0000036801 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	30.5 km
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	1.4
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	95.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2898.4	1,186,380	1944.0	972,345	1670.6	652,437	0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DV-D D32 LD LIC			0.2	0		0.2	0
WRFB D30 DT CP			266.8	317,903	250.5	308,229	
WNJX-TV D31 DT CP			22.9	11,679	6.6	2,005	

Interference to BLANK0000029719 CP scenario 1

**IX: 1.02% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	94.2 km
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	94.8
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	39378.4	1,629,023	38781.1	1,437,783	38750.1	1,423,893	0.12 1.02
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DV-D D32 LD LIC			45.4	14,585		45.4	14,585
WRFB D30 DT CP			13.3	7,838	13.3	7,838	
WIPM-TV D32 DT CP			17.7	6,052	17.7	6,052	

Interference to BLANK0000024551 CP scenario 1

**IX: 4.70% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	

Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	94.2 km
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
44277.1	2,196,114	43774.9	1,869,967	43770.5	1,868,885	42629.5	1,781,121	2.61 4.70

Undesired		Total IX		Unique IX, before		Unique IX, after
W32DV-D D32 LD LIC	1141.0	87,764			1141.0	87,764
WNJX-TV D31 DT CP	4.4	1,082		4.4	1,082	4.4 1,082

Interference to BLDLTL20140916ACJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDLTL20140916ACJ	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	119.0 km
	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	115.7
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	28.0
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	28.0
	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	48.1
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	28.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
7002.1	846,876	6092.7	632,415	1656.8	349,330	1656.3	349,330	0.03 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
W32DV-D D32 LD LIC	191.5	129			0.5	0
WNJX-TV D31 DT CP	869.1	24,632		5.4	1,282	5.2 1,282
WIPM-TV D32 DT CP	4428.9	281,587		3417.9	249,874	3417.9 249,874
W28EQ-D N32+ TX LIC	3.9	457		1.5	216	1.5 216
WJWN-TV D33 DT CP	889.3	17,639		0.0	0	0.0 0

Interference to BLANK0000027870 CP scenario 1

**IX: 0.83% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	
Undesireds:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	94.2 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	34914.9 1,730,546	34883.3 1,715,876	34832.2 1,701,647	0.15 0.83		
Undesired	Total IX	Unique IX, before	Unique IX, after			
W32DV-D D32 LD LIC	51.1 14,229		51.1 14,229			
WIPM-TV D32 DT CP	26.6 2,323	26.6 2,323	26.6 2,323			
WIDP D34 DT CP	4.9 12,347	4.9 12,347	4.9 12,347			

Interference to proposal scenario 1
11.20% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	30.5 km
	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	53.6
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	94.2
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	94.2

Service area	Terrain-limited	IX-free	Percent IX
5528.7 258,719	5157.8 214,052	1640.6 190,070	68.19 11.20
Undesired	Total IX	Unique IX	Prcnt Unique IX
W31DL-D D31 LD LIC	3.2 1,432	0.0 0	0.00 0.00
WIPM-TV D32 DT CP	3517.2 23,982	3513.3 22,550	68.12 10.53
WJWN-TV D33 DT CP	0.7 0	0.0 0	0.00 0.00

Interference to proposal scenario 2
11.20% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	0.0 km
	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	53.6
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	94.2
	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	94.2

Service area	Terrain-limited	IX-free	Percent IX
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5528.7	258,719	5157.8	214,052	1640.3	190,070	68.20	11.20
Undesired			Total IX		Unique IX	Prcnt Unique IX	
W31DV-D D31 LD LIC	0.5	0	0.2	0	0.00	0.00	
W31DL-D D31 LD LIC	3.2	1,432	0.0	0	0.00	0.00	
WIPM-TV D32 DT CP	3517.2	23,982	3513.1	22,550	68.11	10.53	
WJWN-TV D33 DT CP	0.7	0	0.0	0	0.00	0.00	

W32DV-D PROPOSED FACILITY ON CH 17 PRE-REPACK TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000010684 #1011, Model: Longley-Rice

Start: 2018.04.28 13:36:46

Study created: 2018.04.28 13:36:46

Study build station data: LMS TV 2018-04-27

Proposal: W32DV-D D17 LD LIC ARROYO, PR

File number: BLANK0000010684

Facility ID: 182687

Station data: User record

Record ID: 438

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	W49CZ-D	D16	LD	APP	AGUADA, PR	BLANK0000053241	118.2 km
Yes	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	48.2
Yes	WMTJ	D16	DT	LIC	FAJARDO, PR	BLEDT20130708ABV	48.2
Yes	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5
Yes	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	118.8
No	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
No	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
Yes	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
No	WSJP-LD	D18	LD	LIC	AQUADILLA, PR	BLDTL20120626AAB	119.5
Yes	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
Yes	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	37.4
Yes	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2
No	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	53.6
No	WSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	119.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Mask: Full Service
Latitude: 17 59 28.00 N (NAD83)
Longitude: 66 6 23.70 W
Height AMSL: 286.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: PSILP8ARA 180.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.013 kW	-169.0 m	6.5 km
45.0	0.013	-101.6	6.5
90.0	12.2	219.8	52.1
135.0	13.0	286.0	56.2
180.0	15.0	285.2	57.0
225.0	13.0	281.0	56.0
270.0	12.2	212.2	51.7
315.0	0.013	-231.0	6.5

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 98 m

Distance to Canadian border: 2978.1 km

Distance to Mexican border: 3289.0 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 273.2 degrees Distance: 28.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.7 degrees Distance: 4473.0 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 0.50 km

Profile point spacing: 0.50 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000025646 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	48.2 km
	WMTJ	D15	DT	CP	FAJARDO, PR	BLANK0000028080	0.1
	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	104.1
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	146.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	27215.0	2,904,896	25700.2	2,600,738	25064.2	2,588,335	0.07 0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
W32DV-D D17 LD LIC	567.2	444	16.8	225		
WMTJ D15 DT CP	50.5	11,941	31.0	11,941		
WQQZ-CD D16 DC BL	604.0	237	584.5	237		
WVEO D17 DT LIC	1.0	0	1.0	0		

Interference to BLEDT20130708ABV LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMTJ	D16	DT	LIC	FAJARDO, PR	BLEDT20130708ABV	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	48.2 km
	WTIN-TV	D15	DT	LIC	PONCE, PR	BLCDT20081029ABZ	84.0
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	146.0
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	89.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX

34000.3	3,141,811	32755.2	2,882,097	31461.2	2,797,815	31085.0	2,786,992	1.20	0.39
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Undesired			Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	1466.3	49,722			376.2 10,823
WTIN-TV D15 DT LIC	1284.9	82,607	1278.5	82,278	188.4 43,379
WVEO D17 DT LIC	11.3	927	4.9	598	4.9 598
WVXF D17 DT LIC	4.2	1,077	4.2	1,077	4.2 1,077

Interference to BLDTL20140916ACI LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	50.5 km
	W49CZ-D	D16	LD	APP	AGUADA, PR	BLANK0000053241	67.8
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	82.0
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	48.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8525.6 660,592	8165.9 583,431	7204.6 574,055	7201.1 572,573	0.05 0.26

Undesired			Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	3.7	1,482			3.5 1,482
W49CZ-D D16 LD APP	12.8	1,192	7.6	1,178	7.6 1,178
WRUA D16 DT CP	953.7	8,198	948.5	8,184	948.3 8,184

Interference to BLCDT20071116ACV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	118.8 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	146.0
	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	52.4
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	235.4
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	96.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
17642.0 1,152,154	16841.1 956,337	16691.5 947,129	16028.8 945,964	3.97 0.12

Undesired		Total IX	Unique IX, before	Unique IX, after
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W32DV-D D17 LD LIC	751.0	1,238			662.7	1,165
WRUA D16 DT CP	20.7	4,334	8.4	2,383	8.4	2,383
WQQZ-CD D16 DC BL	88.9	73	88.6	73	0.7	0
WVXF D17 DT LIC	0.2	0	0.0	0	0.0	0
WECN D18 DT LIC	52.4	6,752	40.1	4,801	39.8	4,801

Interference to BLCDT20090623ABB LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB			
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	129.0 km		
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	89.6		
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	235.4		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
11226.5		84,402		11066.6 79,469		11009.4 79,447	0.37 0.03		
Undesired				Total IX	Unique IX, before	Unique IX, after			
W32DV-D D17 LD LIC				45.4 22		41.4 22			
WRUA D16 DT CP				5.7 0	5.7 0	5.4 0			
WVEO D17 DT LIC				10.1 0	10.1 0	6.4 0			

Interference to BLANK0000008489 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489			
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	55.9 km		
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	46.0		
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	62.6		
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	106.8		
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.5		
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	115.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
5762.9		302,783		5582.2 268,755		4027.8 268,197	0.00 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
W32DV-D D17 LD LIC				1.5 0		0.0 0			
WECN D18 DT LIC				1488.6 132	1465.5 132	1465.5 132			

W18DQ-D D18 LD LIC	4.4	0	3.2	0	2.0	0
W19DV-D D19 LD LIC	85.5	426	61.6	426	61.6	426
WQTO D19 DD CP	0.2	0	0.0	0	0.0	0

Interference to BLANK0000008489 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK00000010684	55.9 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK00000036597	46.0
	WECN	D18	DT	LIC	NARANJITO, PR	BLC DT20090610ABG	62.6
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK00000036646	104.7
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLD TL20140818AEL	5.5
	WQTO	D19	DD	CP	PONCE, PR	BLANK00000028318	115.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5762.9	302,783	5582.2	268,755	4026.8	268,197	4026.8 268,197	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	1.5 0	0.0 0	
WECN D18 DT LIC	1488.6 132	1465.5 132	
W18DQ-D D18 LD CP	4.4 0	3.0 0	
W19DV-D D19 LD LIC	85.5 426	62.4 426	
WQTO D19 DD CP	0.2 0	0.0 0	

Interference to BLC DT20090610ABG LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WECN	D18	DT	LIC	NARANJITO, PR	BLC DT20090610ABG	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK00000010684	37.4 km
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLC DT20071116ACV	96.2
	WQTO	D19	DD	CP	PONCE, PR	BLANK00000028318	56.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14279.5	2,887,611	13334.9	2,642,485	13321.4	2,640,274	13320.4 2,640,274	0.01 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after		
W32DV-D D17 LD LIC	1.2 0		1.0 0				
WVEO D17 DT LIC	11.1 1,860		10.8 1,860		10.8 1,860		

WQTO D19 DD CP	2.7	351	2.5	351	2.2	351
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Interference to BLANK0000010493 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	58.2 km
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	63.0
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	63.0
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	49.1
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	10.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	5535.4	550,502	5195.4	468,022	4940.4	423,512	4938.4	423,262	0.04 0.06

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	3.7	251	2.0	250
WVEO D17 DT LIC	1.0	246	0.2	0
WECN D18 DT LIC	0.2	25	0.2	25
WQTO D19 DD CP	254.5	44,485	253.8	44,239
			252.1	44,238

Interference to proposal scenario 1
2.02% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

	Service area		Terrain-limited		IX-free		Percent IX
	5918.3	276,580	5528.8	230,677	5491.3	226,011	0.68 2.02

Undesired		Total IX	Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC	0.2	0	0.2	0.00 0.00
W17DL-D D17 LD CP	0.5	23	0.2	0.00 0.01
WVXF D17 DT LIC	22.9	0	13.6	0.25 0.00

W18DZ-D D18 LD LIC	9.9	0	0.5	0	0.01	0.00
W18DQ-D D18 LD LIC	13.6	4,643	13.6	4,643	0.25	2.01

Interference to proposal scenario 2
2.01% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

	Service area	Terrain-limited	IX-free	Percent IX
	5918.3	276,580	5528.8	230,677
			5491.5	226,034
				0.67
				2.01

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC	0.2	0	0.00
W17DL-D D17 LD LIC	0.2	0	0.00
WVXF D17 DT LIC	22.9	0	0.25
W18DZ-D D18 LD LIC	9.9	0	0.01
W18DQ-D D18 LD LIC	13.6	4,643	0.25

Interference to proposal scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	53.6

	Service area	Terrain-limited	IX-free	Percent IX
	5918.3	276,580	5528.8	230,677
			5501.9	230,630
				0.49
				0.02

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC	0.2	0	0.00

W17DL-D D17 LD CP	0.5	23	0.2	23	0.00	0.01
WVXF D17 DT LIC	22.9	0	13.6	0	0.25	0.00
W18DZ-D D18 LD LIC	9.9	0	0.5	0	0.01	0.00
W18DQ-D D18 LD CP	3.2	24	3.0	24	0.05	0.01

Interference to proposal scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	53.6

Service area	Terrain-limited	IX-free	Percent IX
5918.3	276,580	230,653	0.48 0.01

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC	0.2 0	0.0 0	0.00 0.00
W17DL-D D17 LD LIC	0.2 0	0.0 0	0.00 0.00
WVXF D17 DT LIC	22.9 0	13.6 0	0.25 0.00
W18DZ-D D18 LD LIC	9.9 0	0.5 0	0.01 0.00
W18DQ-D D18 LD CP	3.2 24	3.0 24	0.05 0.01

W32DV-D PROPOSED FACILITY ON CH 17 POST REPACK TVSTUDY

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000010684 #1012, Model: Longley-Rice

Start: 2018.04.28 13:38:44

Study created: 2018.04.28 13:38:44

Study build station data: LMS TV 2018-04-27

Proposal: W32DV-D D17 LD LIC ARROYO, PR

File number: BLANK0000010684

Facility ID: 182687

Station data: User record

Record ID: 438

Country: U.S.

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	W49CZ-D	D16	LD	APP	AGUADA, PR	BLANK0000053241	118.2 km
Yes	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	48.2
Yes	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5
Yes	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	118.8
No	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
No	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
Yes	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
No	WSJP-LD	D18	LD	LIC	AQUADILLA, PR	BLDTL20120626AAB	119.5
Yes	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
Yes	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	37.4
Yes	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2
No	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	53.6
No	WSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	119.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Mask: Full Service
Latitude: 17 59 28.00 N (NAD83)
Longitude: 66 6 23.70 W
Height AMSL: 286.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: PSILP8ARA 180.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.013 kW	-169.0 m	6.5 km
45.0	0.013	-101.6	6.5
90.0	12.2	219.8	52.1
135.0	13.0	286.0	56.2
180.0	15.0	285.2	57.0
225.0	13.0	281.0	56.0
270.0	12.2	212.2	51.7
315.0	0.013	-231.0	6.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 98 m

Distance to Canadian border: 2978.1 km

Distance to Mexican border: 3289.0 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 273.2 degrees Distance: 28.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.7 degrees Distance: 4473.0 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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

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

Interference to BLANK0000025646 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	48.2 km
	WMTJ	D15	DT	CP	FAJARDO, PR	BLANK0000028080	0.1
	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	104.1
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	146.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	27215.0	2,904,896	25700.2	2,600,738	25064.2	2,588,560	25047.4 2,588,335 0.07 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	567.2 444	16.8 225	
WMTJ D15 DT CP	50.5 11,941	31.0 11,941	
WQQZ-CD D16 DC BL	604.0 237	584.5 237	
WVEO D17 DT LIC	1.0 0	1.0 0	

Interference to BLDTL20140916ACI LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	50.5 km
	W49CZ-D	D16	LD	APP	AGUADA, PR	BLANK0000053241	67.8
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	82.0
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	48.9
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	8525.6	660,592	8165.9	583,431	7204.6	574,055	7201.1 572,573 0.05 0.26

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	3.7 1,482	3.5 1,482	

W49CZ-D D16 LD APP	12.8	1,192	7.6	1,178	7.6	1,178
WRUA D16 DT CP	953.7	8,198	948.5	8,184	948.3	8,184

Interference to BLCDT20071116ACV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	118.8 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	146.0
	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	52.4
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	235.4
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	96.2

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	17642.0	1,152,154	16841.1	956,337	16691.5	947,129	16028.8 945,964 3.97 0.12

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	751.0	1,238		662.7 1,165
WRUA D16 DT CP	20.7	4,334	8.4 2,383	8.4 2,383
WQQZ-CD D16 DC BL	88.9	73	88.6 73	0.7 0
WVXF D17 DT LIC	0.2	0	0.0 0	0.0 0
WECN D18 DT LIC	52.4	6,752	40.1 4,801	39.8 4,801

Interference to BLCDT20090623ABB LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	129.0 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	89.6
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	235.4

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	11226.5	84,402	11066.6	79,469	11050.8	79,447	11009.4 79,447 0.37 0.03

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	45.4	22		41.4 22
WRUA D16 DT CP	5.7	0	5.7 0	5.4 0
WVEO D17 DT LIC	10.1	0	10.1 0	6.4 0

Interference to BLANK0000008489 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance	
Desired:	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489		
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	55.9 km	
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	46.0	
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	62.6	
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	106.8	
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.5	
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	115.7	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5762.9	302,783	5582.2	268,755	4027.8	268,197	4027.8	268,197	0.00 0.00
Undesired				Total IX	Unique IX, before		Unique IX, after	
W32DV-D	D17	LD	LIC	1.5	0	0.0	0	
WECN	D18	DT	LIC	1488.6	132	1465.5	132	
W18DQ-D	D18	LD	LIC	4.4	0	3.2	0	
W19DV-D	D19	LD	LIC	85.5	426	61.6	426	
WOTO	D19	DD	CP	0.2	0	0.0	0	

Interference to BLANK0000008489 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired:	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489				
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	55.9 km			
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	46.0			
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	62.6			
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	104.7			
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.5			
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	115.7			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
5762.9	302,783	5582.2	268,755	4026.8	268,197	4026.8	268,197	0.00	0.00	
Undesired				Total IX	Unique IX, before		Unique IX, after			
W32DV-D	D17	LD	LIC	1.5	0	0.0	0			
WECN	D18	DT	LIC	1488.6	132	1465.5	132	1465.5	132	
W18DQ-D	D18	LD	CP	4.4	0	4.2	0	3.0	0	

W19DV-D D19 LD LIC	85.5	426	62.4	426	62.4	426
WQTO D19 DD CP	0.2	0	0.0	0	0.0	0

Interference to BLCDT20090610ABG LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired:	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG				
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	37.4 km			
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	96.2			
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	56.1			
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX					
	14279.5	2,887,611	13334.9	2,642,485	13321.4	2,640,274	13320.4	2,640,274	0.01	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	1.2	0	1.0
WVEO D17 DT LIC	11.1	1,860	10.8
WQTO D19 DD CP	2.7	351	2.5
		351	351

Interference to BLANK0000010493 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance			
Desired:	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493				
Undesireds:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	58.2 km			
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	63.0			
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	63.0			
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	49.1			
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	10.6			
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX					
	5535.4	550,502	5195.4	468,022	4940.4	423,512	4938.4	423,262	0.04	0.06

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DV-D D17 LD LIC	3.7	251	2.0
WVEO D17 DT LIC	1.0	246	0.2
WECN D18 DT LIC	0.2	25	0.2
WQTO D19 DD CP	254.5	44,485	253.8
		44,239	44,238

Interference to proposal scenario 1
2.02% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

Service area	Terrain-limited	IX-free	Percent IX
5918.3 276,580	5528.8 230,677	5491.3 226,011	0.68 2.02

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC 0.2 0 0.2 0 0.00 0.00			
W17DL-D D17 LD CP 0.5 23 0.2 23 0.00 0.01			
WVXF D17 DT LIC 22.9 0 13.6 0 0.25 0.00			
W18DZ-D D18 LD LIC 9.9 0 0.5 0 0.01 0.00			
W18DQ-D D18 LD LIC 13.6 4,643 13.6 4,643 0.25 2.01			

Interference to proposal scenario 2
2.01% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

Service area	Terrain-limited	IX-free	Percent IX
5918.3 276,580	5528.8 230,677	5491.5 226,034	0.67 2.01

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC 0.2 0 0.2 0 0.00 0.00			
W17DL-D D17 LD LIC 0.2 0 0.0 0 0.00 0.00			
WVXF D17 DT LIC 22.9 0 13.6 0 0.25 0.00			
W18DZ-D D18 LD LIC 9.9 0 0.5 0 0.01 0.00			

W18DQ-D D18 LD LIC	13.6	4,643	13.6	4,643	0.25	2.01
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Interference to proposal scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	53.6

	Service area		Terrain-limited		IX-free		Percent IX
	5918.3	276,580	5528.8	230,677	5501.9	230,630	0.49 0.02

Undesired		Total IX		Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC	0.2	0	0.0	0	0.00 0.00
W17DL-D D17 LD CP	0.5	23	0.2	23	0.00 0.01
WVXF D17 DT LIC	22.9	0	13.6	0	0.25 0.00
W18DZ-D D18 LD LIC	9.9	0	0.5	0	0.01 0.00
W18DQ-D D18 LD CP	3.2	24	3.0	24	0.05 0.01

Interference to proposal scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	LIC	ARROYO, PR	BLANK0000010684	
Undesireds:	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5 km
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000036646	53.6

	Service area		Terrain-limited		IX-free		Percent IX
	5918.3	276,580	5528.8	230,677	5502.1	230,653	0.48 0.01

Undesired		Total IX		Unique IX	Prcnt Unique IX
W16CW-D D16 LD LIC	0.2	0	0.0	0	0.00 0.00
W17DL-D D17 LD LIC	0.2	0	0.0	0	0.00 0.00
WVXF D17 DT LIC	22.9	0	13.6	0	0.25 0.00

W18DZ-D D18 LD LIC	9.9	0	0.5	0	0.01	0.00
W18DQ-D D18 LD CP	3.2	24	3.0	24	0.05	0.01