tvstudy v2.2.5 (4uoc83)
Database: 127.0.0.1, Study: BLANK0000008489 #1774, Model: Longley-Rice
Start: 2019.04.17 22:40:33

Study created: 2019.04.17 22:40:33

Study build station data: LMS TV 2019-04-16

Proposal: W18DZ-D D18 LD APP CEIBA, PR
File number: BLANK0000008489
Facility ID: 183415
Station data: User record
Record ID: 819
Country: U.S.

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	158.4 km
No	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	159.2
Yes	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1
Yes	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	46.5
Yes	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	46.3
Yes	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	76.8
No	WSJP-LD	D18	LD	LIC	AQUADILLA, PR	BLDTL20120626AAB	157.0
Yes	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0
Yes	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	107.1
No	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000064431	105.1
Yes	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
Yes	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
Yes	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
Yes	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	116.1
No	WWKQ-LD	D19-	LD	LIC	QUEBRADILLAS, PR	BLANK0000016479	134.4
No	WVGN-LD	D19	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000048749	76.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D18
       Mask: Stringent
   Latitude:  18 16 42.80 N (NAD83)
  Longitude:  65 40 11.70 W
Height AMSL: 314.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: PSILP8BA 290.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.00

49.1 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   14.7 kW   292.8 m   57.2 km
 45.0       7.35      308.7     54.3
 90.0      0.662      313.9     41.4
135.0      0.726      308.9     41.7
180.0       8.89      293.8     54.5
225.0       14.4      273.1     55.9
270.0       13.8     -227.3     30.8
315.0       13.4      199.2     51.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 220 m

Distance to Canadian border: 2947.5 km

Distance to Mexican border: 3320.7 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 247.9 degrees   Distance: 80.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.2 degrees   Distance: 4486.4 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: 0.10 km

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

Interference to BLANK0000067521 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	56.1 km
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	118.2
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3992.1	681,917	3519.1	620,714	3487.5	619,574	3481.6	619,574	0.17	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	26.9	0			5.9	0
W17DL-D D17 LD CP	0.2	0	0.2	0	0.2	0
WVXF D17 DT LIC	29.8	96	29.8	96	8.9	96
W18DQ-D D18 LD LIC	1.5	1,044	1.5	1,044	1.5	1,044

Interference to BLANK0000067521 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	56.1 km
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	118.2
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3992.1	681,917	3519.1	620,714	3487.5	619,574	3481.6	619,574	0.17	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	26.9	0			5.9	0
W17DL-D D17 LD LIC	0.2	0	0.2	0	0.2	0
WVXF D17 DT LIC	29.8	96	29.8	96	8.9	96
W18DQ-D D18 LD LIC	1.5	1,044	1.5	1,044	1.5	1,044

Interference to BLANK0000067521 CP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	56.1 km
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	118.2
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000064431	53.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3992.1	681,917	3519.1	620,714	3487.0	620,617	3481.1	620,617	0.17	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	26.9	0			5.9	0
W17DL-D D17 LD CP	0.2	0	0.2	0	0.2	0
WVXF D17 DT LIC	29.8	96	29.8	96	8.9	96
W18DQ-D D18 LD CP	2.0	1	2.0	1	2.0	1

Interference to BLANK0000067521 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	56.1 km
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	118.2
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	31.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000064431	53.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3992.1	681,917	3519.1	620,714	3487.0	620,617	3481.1	620,617	0.17	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after

W18DZ-D D18 LD APP	26.9	0	5.9	0
W17DL-D D17 LD LIC	0.2	0	0.2	0
WVXF D17 DT LIC	29.8	96	29.8	96
W18DQ-D D18 LD CP	2.0	1	2.0	1

Interference to BLANK0000036597 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	46.5 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	33.5
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	111.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	123.0
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	16.6
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	63.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5443.1	1,769,033	5331.3	1,715,078	5288.0	1,695,528	5281.4	1,695,407	0.13	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	11.3	136			6.6	121
WRUA D16 DT CP	12.8	11,200	7.4	5,836	7.4	5,836
WVEO D17 DT CP	6.2	277	3.7	18	2.2	18
WVXF D17 DT LIC	4.9	2,027	4.9	2,027	4.7	2,012
WECN D18 DT LIC	26.6	11,416	20.7	6,299	18.0	6,299

Interference to BLANK0000036597 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	46.5 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	33.5
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	112.8
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	123.0
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	16.6
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	63.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5443.1	1,769,033	5331.3	1,715,078	5286.3	1,695,409	5279.9	1,695,288	0.12	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	11.3	136				6.4	121
WRUA D16 DT CP	12.8	11,200		7.4	5,836	7.4	5,836
WVEO D17 DT LIC	9.3	490		5.4	137	3.7	137
WVXF D17 DT LIC	4.9	2,027		4.9	2,027	4.7	2,012
WECN D18 DT LIC	26.6	11,416		19.7	6,299	17.5	6,299

Interference to BLDTL20140404AAW LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	46.3 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	33.3
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	112.1
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	122.9
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	16.7
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	63.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5351.3	1,742,710	5228.2	1,682,981	5189.1	1,669,983	5175.6	1,669,813	0.26	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	23.4	170				13.5	170
WRUA D16 DT CP	9.3	5,571		4.7	4,208	4.7	4,208
WVEO D17 DT CP	8.6	731		7.9	731	3.4	731
WVXF D17 DT LIC	5.2	2,092		3.9	2,092	3.9	2,092
WECN D18 DT LIC	22.4	5,967		16.2	4,604	12.1	4,604

Interference to BLDTL20140404AAW LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	46.3 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	33.3
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	112.9
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	122.9
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	16.7
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	63.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5351.3	1,742,710	5228.2	1,682,981	5187.4	1,669,983	5174.6	1,669,813	0.25	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	23.4	170			12.8	170
WRUA D16 DT CP	9.3	5,571	4.2	3,104	4.2	3,104
WVEO D17 DT LIC	11.1	1,835	9.6	731	4.4	731
WVXF D17 DT LIC	5.2	2,092	3.9	2,092	3.9	2,092
WECN D18 DT LIC	22.4	5,967	16.0	4,604	11.8	4,604

Interference to BLCDT20090623ABB LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	76.8 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	89.6
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	234.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11226.5	84,402	11023.5	79,501	11007.8	79,501	10964.7	79,373	0.39	0.16

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	46.8	128			43.1	128
WRUA D16 DT CP	5.9	0	5.9	0	2.2	0
WVEO D17 DT CP	9.8	0	9.8	0	9.8	0

Interference to BLCDT20090623ABB LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	76.8 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	11023.5	79,501	11002.4	79,501	10959.3	79,373	0.39	0.16

Undesired	Total IX	Unique IX, before	Unique IX, after

W18DZ-D D18 LD APP	46.8	128	43.1	128
WRUA D16 DT CP	5.9	0	5.9	0	2.2	0
WVEO D17 DT LIC	15.2	0	15.2	0	15.2	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:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	63.0 km
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	95.4
	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	13609.4	2,718,991	13603.7	2,717,457	12003.1	2,710,682	11.77	0.25

Undesired	Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	1600.7	6,775			1600.7	6,775
WVEO D17 DT CP	3.7	987	3.7	987	3.7	987
WQTO D19 DD CP	2.0	547	2.0	547	2.0	547

Interference to BLCDT20090610ABG LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	63.0 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	13609.4	2,718,991	13600.8	2,717,248	12000.1	2,710,473	11.77	0.25

Undesired	Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	1600.7	6,775			1600.7	6,775
WVEO D17 DT LIC	6.6	1,196	6.6	1,196	6.6	1,196
WQTO D19 DD CP	2.0	547	2.0	547	2.0	547

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:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	107.1 km
	WVEO	D17	DT	CP	AGUADILLA, PR	BLANK0000067930	62.6
	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	58.2
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	63.0
	WSJP-LD	D18	LD	LIC	AQUADILLA, PR	BLDTL20120626AAB	65.9
	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	5253.6	470,246	5042.7	442,095	5042.4	442,081	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	0.2	14			0.2	14
W32DV-D D17 LD CP	3.0	712	2.5	712	2.5	712
WSJP-LD D18 LD LIC	0.2	0	0.0	0	0.0	0
WQTO D19 DD CP	208.4	27,439	207.7	27,439	207.7	27,439

Interference to BLANK0000053905 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	109.0 km
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	198.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7448.5	50,601	7444.3	50,443	7444.3	50,443	7441.4	50,395	0.04	0.10

Undesired	Total IX		Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	3.0	48			3.0	48

Interference to BLANK0000054919 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	5.9 km
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	61.4
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	107.0

W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	0.0
WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	115.6
WWKQ-LD	D19-	LD	LIC	QUEBRADILLAS, PR	BLANK0000016479	131.9
WVGN-LD	D19	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000048749	78.0
W20DS-D	D20	LD	CP	CAGUAS, PR	BLANK0000059818	58.2
W20DR-D	D20	LD	LIC	HUMACAO, PR	BLANK0000007267	45.6
W20DQ-D	D20	LD	LIC	LUQUILLO, PR	BLANK0000005901	0.0
W20EJ-D	D20	LD	LIC	SAN JUAN, PR	BLANK0000068137	43.5
WSVI	D20	DT	CP	CHRISTIANSTED, VI	BLANK0000068281	111.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
5713.1	1,274,394	5309.4	949,379	768.4	320,403	768.4	320,403	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	975.5	27,284			0.0	0
WECN D18 DT LIC	6.4	21,890	0.0	0	0.0	0
W19DV-D D19 LD LIC	4541.0	628,976	3621.9	594,193	3044.8	570,390
WQTO D19 DD CP	340.5	0	0.0	0	0.0	0
WWKQ-LD D19- LD LIC	1.0	1,838	0.0	0	0.0	0
WVGN-LD D19 LD LIC	271.5	451	0.0	0	0.0	0
W20DR-D D20 LD LIC	1.2	0	0.0	0	0.0	0
W20DQ-D D20 LD LIC	344.9	6,590	0.0	0	0.0	0
W20EJ-D D20 LD LIC	4.7	16,930	0.0	0	0.0	0

Interference to BLDTL20140818AEL LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	5.9 km
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	61.4
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	107.0
	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	0.0
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	115.6
	WWKQ-LD	D19-	LD	LIC	QUEBRADILLAS, PR	BLANK0000016479	131.9
	WVGN-LD	D19	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000048749	78.0
	W20DS-D	D20	LD	CP	CAGUAS, PR	BLANK0000059818	58.2
	W20DR-D	D20	LD	LIC	HUMACAO, PR	BLANK0000007267	45.6
	W20DQ-D	D20	LD	LIC	LUQUILLO, PR	BLANK0000005901	0.0
	W20EJ-D	D20	LD	LIC	SAN JUAN, PR	BLANK0000068137	43.5
	WSVI	D20	DT	CP	CHRISTIANSTED, VI	BLANK0000068281	111.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5713.1	1,274,394	5309.4	949,379	768.4	320,403	768.4	320,403	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	975.5	27,284			0.0	0
WECN D18 DT LIC	6.4	21,890	0.0	0	0.0	0
W24DW-D D19 LD CP	4541.0	628,976	3621.9	594,193	3044.8	570,390
WQTO D19 DD CP	340.5	0	0.0	0	0.0	0
WWKQ-LD D19- LD LIC	1.0	1,838	0.0	0	0.0	0
WVGN-LD D19 LD LIC	271.5	451	0.0	0	0.0	0
W20DR-D D20 LD LIC	1.2	0	0.0	0	0.0	0
W20DQ-D D20 LD LIC	344.9	6,590	0.0	0	0.0	0
W20EJ-D D20 LD LIC	4.7	16,930	0.0	0	0.0	0

Interference to BLANK0000028318 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	
Undesireds:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	116.1 km
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	56.1
	WOST	D20	DT	LIC	MAYAGUEZ, PR	BLANK0000058703	26.6
	WSVI	D20	DT	CP	CHRISTIANSTED, VI	BLANK0000068281	205.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
30343.6	2,884,539	29027.4	2,199,777	27476.0	2,190,403	27423.0	2,190,350	0.19	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W18DZ-D D18 LD APP	53.0	53			53.0	53
WECN D18 DT LIC	45.0	491	7.9	491	7.9	491
WOST D20 DT LIC	1543.5	8,883	1506.5	8,883	1506.5	8,883

Interference to proposal scenario 1
9.11% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	
Undesireds:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	46.5
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0

	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	107.1
	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	116.1

Service area		Terrain-limited		IX-free		Percent IX	
7564.0	563,187	6909.8	351,778	4706.8	319,730	31.88	9.11

Undesired		Total IX		Unique IX	Prcnt Unique IX	
W32DV-D D17 LD CP	0.5	0	0.0	0	0.00	0.00
W17DL-D D17 LD CP	1.7	0	0.0	0	0.00	0.00
WECN D18 DT LIC	2111.0	23,311	1630.3	430	23.59	0.12
W18DQ-D D18 LD LIC	17.3	0	13.3	0	0.19	0.00
W24DO-D D18 LD CP	47.1	1,955	29.8	1,955	0.43	0.56
W24DW-D D19 LD CP	524.5	29,663	0.0	0	0.00	0.00
W19DV-D D19 LD LIC	524.5	29,663	0.0	0	0.00	0.00
WQTO D19 DD CP	3.0	0	0.0	0	0.00	0.00

Interference to proposal scenario 2
9.11% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	
Undesireds:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1 km
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	46.3
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	107.1
	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	116.1

Service area		Terrain-limited		IX-free		Percent IX	
7564.0	563,187	6909.8	351,778	4706.8	319,730	31.88	9.11

Undesired		Total IX		Unique IX	Prcnt Unique IX	
W32DV-D D17 LD CP	0.5	0	0.0	0	0.00	0.00
W17DL-D D17 LD LIC	4.9	0	0.0	0	0.00	0.00
WECN D18 DT LIC	2111.0	23,311	1630.3	430	23.59	0.12
W18DQ-D D18 LD LIC	17.3	0	13.3	0	0.19	0.00

W24DO-D D18 LD CP	47.1	1,955	29.8	1,955	0.43	0.56
W24DW-D D19 LD CP	524.5	29,663	0.0	0	0.00	0.00
W19DV-D D19 LD LIC	524.5	29,663	0.0	0	0.00	0.00
WQTO D19 DD CP	3.0	0	0.0	0	0.00	0.00

Interference to proposal scenario 3
9.11% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	
Undesireds:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1 km
	W17DL-D	D17	LD	CP	TOA BAJA, PR	BLANK0000036597	46.5
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000064431	105.1
	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
	WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	116.1

Service area		Terrain-limited		IX-free		Percent IX	
7564.0	563,187	6909.8	351,778	4718.4	319,730	31.71	9.11

Undesired		Total IX		Unique IX	Prcnt Unique IX	
W32DV-D D17 LD CP	0.5	0	0.0	0	0.00	0.00
W17DL-D D17 LD CP	1.7	0	0.0	0	0.00	0.00
WECN D18 DT LIC	2111.0	23,311	1630.3	430	23.59	0.12
W18DQ-D D18 LD CP	5.9	0	1.7	0	0.02	0.00
W24DO-D D18 LD CP	47.1	1,955	29.6	1,955	0.43	0.56
W24DW-D D19 LD CP	524.5	29,663	0.0	0	0.00	0.00
W19DV-D D19 LD LIC	524.5	29,663	0.0	0	0.00	0.00
WQTO D19 DD CP	3.0	0	0.0	0	0.00	0.00

Interference to proposal scenario 4
9.11% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18DZ-D	D18	LD	APP	CEIBA, PR	BLANK0000008489	
Undesireds:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1 km
	W17DL-D	D17	LD	LIC	TOA BAJA, PR	BLDTL20140404AAW	46.3

WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0
W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000064431	105.1
W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
WQTO	D19	DD	CP	PONCE, PR	BLANK0000028318	116.1

Service area		Terrain-limited		IX-free		Percent IX	
7564.0	563,187	6909.8	351,778	4718.4	319,730	31.71	9.11

Undesired		Total IX		Unique IX		Prcnt Unique IX	
W32DV-D D17 LD CP	0.5	0	0.0	0	0	0.00	0.00
W17DL-D D17 LD LIC	4.9	0	0.0	0	0	0.00	0.00
WECN D18 DT LIC	2111.0	23,311	1630.3	430	23.59	0.12
W18DQ-D D18 LD CP	5.9	0	1.7	0	0	0.02	0.00
W24DO-D D18 LD CP	47.1	1,955	29.6	1,955	0.43	0.56
W24DW-D D19 LD CP	524.5	29,663	0.0	0	0	0.00	0.00
W19DV-D D19 LD LIC	524.5	29,663	0.0	0	0	0.00	0.00
WQTO D19 DD CP	3.0	0	0.0	0	0	0.00	0.00