TVSTUDY POST-REPACK W32DZ-D ON CH 22, NEW SITE AT 0.22 MILES @ 210° TRUE NORTH

tvstudy v2.2.5 (4uoc83)
Database: 127.0.0.1, Study: BLANK0000053151 #1195, Model: Longley-Rice
Start: 2018.05.08 23:43:47
Study created: 2018.05.08 23:43:47
Study build station data: LMS TV 2018-05-08
    Proposal: W32DZ-D D22 LD APP MAYAGUEZ, PR
 File number: BLANK0000053151
 Facility ID: 183054
Station data: User record
   Record ID: 497
     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	WPRU-LP	N20z	TX	LIC	AQUADILLA, PR	BLTTL20101020ABE	10.6 km
Yes	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	1.1
No	W21DD-D	D21	LD	LIC	NAGUABO, PR	BLANK0000008490	159.1
Yes	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	140.2
No	WVDO-LD	D22	LD	LIC	CAROLINA, PR	BLDTL20131108AIF	140.2
Yes	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	107.1
No	WMNS-LD	D22	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000008100	232.7
No	WMNS-LD	N22+	TX	LIC	CHARLOTTE AMALIE, VI	BLTTL20041015ABV	235.8
No	W23EM-D	D23	LD	LIC	CEIBA, PR	BLANK0000010679	159.1
No	WXWZ-LD	D23	LD	LIC	GUAYAMA, PR	BLDTL20100324ABD	117.2
Yes	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	140.3
Yes	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	0.6
No	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	266.8
No	WCVI-TV	D23	DT	LIC	CHRISTIANSTED, VI	BLANK0000053850	266.8
No	WSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	10.6
No	WWKQ-LD	N26-	TX	LIC	QUEBRADILLAS, PR	BLTTL20140508ABB	32.6

No non-directional AM stations found within 0.8 km
No directional AM stations found within 3.2 km
Record parameters as studied:
    Channel: D22
       Mask: Full Service
   Latitude: 18 18 49.80 N (NAD83)
  Longitude: 67 10 52.70 W

Height AMSL: 355.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: PSI-PSILP8BA 105.0 deg
Elev Pattrn: Generic
Elec Tilt: 0.75

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.1 kW	333.3 m	56.8 km
45.0	14.1	253.7	54.2
90.0	14.1	193.8	50.8
135.0	13.0	261.4	54.2
180.0	14.6	354.7	59.9
225.0	5.95	355.0	55.1
270.0	0.693	348.5	42.8
315.0	0.794	326.2	42.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 303 m

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 111.8 degrees Distance: 91.8 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 BLDTL20100526ACU LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	1.1 km
	WOST	D20	DT	CP	MAYAGUEZ, PR	BLANK0000034742	0.0
	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	141.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5154.5	514,308	4781.3	450,647	4183.9	436,150	4176.1	432,768	0.19	0.78

Undesired	Total IX		Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	8.1	3,487			7.9	3,382
WOST D20 DT CP	4.9	184	3.9	184	3.7	79
WJPX D21 DT LIC	593.4	14,313	592.4	14,313	592.4	14,313

Interference to BLANK0000030022 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	140.2 km
	WOST	D20	DT	CP	MAYAGUEZ, PR	BLANK0000034742	141.2
	WZVI	D21	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000034334	99.7
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	33.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
40268.1	3,251,479	39528.1	3,054,221	39010.6	3,035,875	39004.5	3,034,608	0.02	0.04

Undesired	Total IX		Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	9.4	1,604			6.2	1,267
WOST D20 DT CP	4.2	752	3.9	752	1.0	415
WZVI D21 DT CP	471.0	14,679	423.3	14,679	423.3	14,679
WSJN-CD D22 DC CP	90.0	2,915	42.5	2,915	42.5	2,915

Interference to BLANK0000034542 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	107.1 km
	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	33.1
	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	33.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8030.9	2,312,859	7620.6	2,088,222	7545.2	2,049,620	7538.6	2,048,581	0.09	0.05

Undesired	Total IX		Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	7.9	1,665			6.6	1,039
WJPX D21 DT LIC	71.4	37,724	51.2	26,572	50.5	25,946
WVSN D23 DT CP	24.1	12,030	3.9	878	3.9	878

Interference to BLANK0000034762 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	140.3 km
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	33.2
	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	140.7
	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	132.6
	WUJA	D24	DT	CP	CAGUAS, PR	BLANK0000034758	27.1
	WQQZ-CD	D24	DC	CP	PONCE, PR	BLANK0000034790	97.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	

26313.6	2,947,873	24025.7	2,626,806	23786.1	2,598,049	23785.9	2,598,049	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	0.5	0			0.2	0
WSJN-CD D22 DC CP	49.9	8,409	10.3	5,078	10.3	5,078
WQSJ-CD D23 DC CP	23.2	4,216	10.3	4,148	10.1	4,148
WCVI-TV D23 DT CP	23.6	148	4.7	80	4.7	80
WUJA D24 DT CP	97.6	19,383	57.8	16,052	57.8	16,052
WQQZ-CD D24 DC CP	116.4	0	107.5	0	107.5	0

Interference to BLANK0000034762 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	140.3 km
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	33.2
	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	140.7
	WCVI-TV	D23	DT	LIC	CHRISTIANSTED, VI	BLANK0000053850	132.6
	WUJA	D24	DT	CP	CAGUAS, PR	BLANK0000034758	27.1
	WQQZ-CD	D24	DC	CP	PONCE, PR	BLANK0000034790	97.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
26313.6	2,947,873	24025.7	2,626,806	23786.1	2,598,049	23785.9	2,598,049	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	0.5	0			0.2	0
WSJN-CD D22 DC CP	49.9	8,409	10.3	5,078	10.3	5,078
WQSJ-CD D23 DC CP	23.2	4,216	10.3	4,148	10.1	4,148
WCVI-TV D23 DT LIC	23.6	148	4.7	80	4.7	80
WUJA D24 DT CP	97.6	19,383	57.8	16,052	57.8	16,052
WQQZ-CD D24 DC CP	116.4	0	107.5	0	107.5	0

Interference to BLANK0000034762 CP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	140.3 km
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	33.2
	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	140.7
	WCVI-TV	D23	DT	LIC	CHRISTIANSTED, VI	BLCDT20090625AAH	132.6
	WUJA	D24	DT	CP	CAGUAS, PR	BLANK0000034758	27.1
	WQQZ-CD	D24	DC	CP	PONCE, PR	BLANK0000034790	97.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
26313.6	2,947,873	24025.7	2,626,806	23790.6	2,598,129	23790.3	2,598,129	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	0.5	0			0.2	0

WSJN-CD D22 DC CP	49.9	8,409	10.3	5,078	10.3	5,078
WQSJ-CD D23 DC CP	23.2	4,216	10.6	4,216	10.3	4,216
WCVI-TV D23 DT LIC	1.0	0	0.2	0	0.2	0
WUJA D24 DT CP	97.6	19,383	58.1	16,052	58.1	16,052
WQQZ-CD D24 DC CP	116.4	0	107.5	0	107.5	0

Interference to BLANK0000034540 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	
Undesireds:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	0.6 km
	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	140.7
	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	267.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7794.9	719,859	7217.9	603,647	6792.9	590,925	6791.2	590,534	0.03	0.07

Undesired		Total IX		Unique IX, before		Unique IX, after	
W32DZ-D D22 LD APP	1.7	391				1.7	391
WVSN D23 DT CP	424.9	12,722	424.9	12,722	424.9	12,722	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DZ-D	D22	LD	APP	MAYAGUEZ, PR	BLANK0000053151	
Undesireds:	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	1.1 km
	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	140.2
	WVDO-LD	D22	LD	LIC	CAROLINA, PR	BLDTL20131108AIF	140.2
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	107.1
	WMNS-LD	D22	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000008100	232.7

Service area		Terrain-limited		IX-free		Percent IX	
8742.0	845,110	8105.2	692,113	7754.8	684,671	4.32	1.08

Undesired		Total IX		Unique IX		Prcnt Unique IX	
W21CX-D D21 LD LIC	5.9	787	5.9	787	0.07	0.11	
WJPX D21 DT LIC	0.2	1,105	0.0	0	0.00	0.00	
WVDO-LD D22 LD LIC	1.5	243	0.2	0	0.00	0.00	
WSJN-CD D22 DC CP	344.3	6,655	342.8	5,307	4.23	0.77	