

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: **WWXY-LD on CH.2_3XCL24**, Model: Longley-Rice

Start: 2021.12.19 21:18:02

Study created: 2021.12.19 21:18:02

Study build station data: LMS TV 2021-12-17

Proposal: WWXY-LD CH.2 D2 LD APP SAN JUAN, PR
File number: WWXY@CH.2_3XCL24
Facility ID: 64856
Station data: User record
Record ID: 741
Country: U.S.

Build options:

Protect pre-transition records, not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	69.3 km
Yes	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	113.1
Yes	W02CS-D	D2	LD	CP	PONCE, PR	BLANK00000063899	49.0
Yes	W02CS-D	D2	LD	LIC	PONCE, PR	BLANK0000007285	4 9.0
Yes	WZNA-LD	D3	LD	LIC	GUAYNABO, PR	BLDVL20140317ABW	0.1
No	W03BZ-D	D3	LD	CP	MAYAGUEZ, PR	BNPDVL20090825BPX	112.1
No	W03BY-D	D3	LD	CP	PONCE, PR	BNPDVL20090825BQD	62.8

No non-directional AM stations were found within 0.8 km

No directional AM stations were found within 3.2 km

Record parameters as studied:

Channel: D2
Mask: Full Service
Latitude: 18 16 40.60 N (NAD83)
Longitude: 66 6 31.90 W
Height AMSL: 520.5 m
HAAT: 301.8 m
Peak ERP: 3.00 kW
Antenna: CL24 [ARRAY@10-90-0.33@170](#) ROT=327.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.46 kW	456.0 m	74.5 km
45.0	2.57	405.5	71.7
90.0	1.77	405.7	68.3
135.0	1.12	368.7	62.4
180.0	0.226	113.7	32.2
225.0	0.011	86.2	14.6
270.0	0.018	150.7	21.3
315.0	1.90	428.2	70.2

Distance to Canadian border: 2946.2 km

Distance to the Mexican border: 3277.4 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 222.9 degrees Distance: 41.4 km

The proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.4 degrees Distance: 4451.7 km

Study cell size: 1.00 km

Profile point spacing: 0.14 km(Higher Resolution requested)

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000006969 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	
Undesired:	WWXY-LD CH.2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	69.3 km
	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	48.8
	W02CS-D	D2	LD	CP	PONCE, PR	BLANK0000063899	38.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1053.8 92,247	1053.8 92,247	278.4 69,754	259.7 69,754	6.71 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWXY-LD CH.2 D2 LD APP	725.3 2,319	18.7 0	
W02CU-D D2 LD LIC	772.5 22,493	463.0 22,127	67.9 20,174
W02CS-D D2 LD CP	312.5 366	2.9 0	0.0 0

Interference to BLANK0000006969 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	
Undesired:	WWXY-LD CH.2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	69.3 km
	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	48.8
	W02CS-D	D2	LD	LIC	PONCE, PR	BLANK0000007285	38.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1053.8 92,247	1053.8 92,247	260.7 69,754	251.8 69,754	3.39 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WWXY-LD CH.2 D2 LD APP	725.3 2,319	8.8 0	
W02CU-D D2 LD LIC	772.5 22,493	338.2 22,127	66.9 20,174
W02CS-D D2 LD LIC	455.0 366	20.6 0	7.9 0

Interference to BLANK0000006966 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	
Undesired:	WWXY-LD CH.2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	113.1 km
	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	48.8
	W02CS-D	D2	LD	CP	PONCE, PR	BLANK0000063899	68.6
	W03BZ-D	D3	LD	CP	MAYAGUEZ, PR	BNPDVL20090825BPX	1.3
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
8207.3 833,834	8133.3 804,030		5749.4 708,511		5664.9 708,463		1.47 0.01
Undesired	Total IX		Unique IX, before		Unique IX, after		
WWXY-LD CH.2 D2 LD APP	438.3 3,155				84.5 48		
W02CT-D D2 LD LIC	498.5 58,615		409.0 57,223		143.6 4,116		
W02CS-D D2 LD CP	1701.3 35,650		1585.2 34,258		1585.2 34,258		
W03BZ-D D3 LD CP	300.2 2,646		273.6 2,646		273.6 2,646		

Interference to BLANK0000006966 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	
Undesired:	WWXY-LD CH.2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	113.1 km
	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	48.8
	W02CS-D	D2	LD	LIC	PONCE, PR	BLANK0000007285	68.5
	W03BZ-D	D3	LD	CP	MAYAGUEZ, PR	BNPDVL20090825BPX	1.
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
8207.3 833,834	8133.3 804,030		5282.5 697,146		5239.3 697,098		0.82 0.01
Undesired	Total IX		Unique IX, before		Unique IX, after		
WWXY-LD CH.2 D2 LD APP	438.3 3,155				43.2 48		
W02CT-D D2 LD LIC	498.5 58,615		295.0 54,361		134.8 51,483		
W02CS-D D2 LD LIC	2328.5 49,877		2052.1 45,623		2010.9 45,623		
W03BZ-D D3 LD CP	300.2 2,646		227.3 2,646		227.3 2,646		

Interference to BLANK0000063899 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number
Distance						
Desired:	W02CS-D	D2	LD	CP	PONCE, PR	BLANK0000063899
Undesired:	WWXY-LD CH.2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24
49.0 km						
	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969
38.8						
	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966
68.6						
	W03BZ-D	D3	LD	CP	MAYAGUEZ, PR	BNPDVL20090825BPX
67.8						
Service area	Terrain-limited		IX-free, before		IX-free, after	
12387.8 951,366	12127.7 883,189		11810.2 820,086		11736.2 806,107	
					Percent New IX	0.63 1.70

Undesired		Total IX	Unique IX, before		Unique IX, after	
WWXY-LD CH.2 D2 LD APP	78.9	1 4,556			4.0	13,979
W02CT-D D2 LD LIC	7.9	2,405	5.9	1,891	4.9	1,771
W02CU-D D2 LD LIC	310.6	61,099	287.0	56,206	284.0	55,949
W03BZ-D D3 LD CP	22.7	4,492	1.0	113	1.0	113

Interference to BLANK0000007285 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W02CS-D	D2	LD	LIC	PONCE, PR	BLANK0000007285	
Undesired:	WWXY-LD CH.2 D2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	49.0 km
	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	38.8
	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	68.5
	WZNA-LD	D3	LD	LIC	GUAYNABO, PR	BLDVL20140317ABW	49.0
	W03BZ-D	D3	LD	CP	MAYAGUEZ, PR	BNPDVL20090825BPX	67.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13157.5 1,479,787	12446.0 1,275,337	11626.9 1,156,776	11604.3 1,152,356	0.19 0.38

Undesired		Total IX	Unique IX, before		Unique IX, after	
WWXY-LD CH.2 D2 LD APP	78.7	6,594			22.7	4,420
W02CT-D D2 LD LIC	105.3	19,461	42.3	14,276	35.4	13,234
W02CU-D D2 LD LIC	758.1	102,194	530.5	66,169	525.6	65,850
WZNA-LD D3 LD LIC	1.0	195	1.0	195	0.0	0
W03BZ-D D3 LD CP	183.3	32,736	17.7	1,896	17.7	1,896

Interference to BLDVL20140317ABW LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WZNA-LD	D3	LD	LIC	GUAYNABO, PR	BLDVL20140317ABW	
Undesired:	WWXY-LD CH.2 D2	D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	0.1 km
	W02CS-D	D2	LD	CP	PONCE, PR	BLANK0000063899	48.9
	W03BZ-D	D3	LD	CP	MAYAGUEZ, PR	BNPDVL20090825BPX	112.0
	W03BY-D	D3	LD	CP	PONCE, PR	BNPDVL20090825BQD	62.8
	WVDO-LD	D4	LD	LIC	CAROLINA, PR	BLANK0000169647	27.1
	W24EI-D	D4	LD	CP	Naranjito, PR	BLANK0000054037	52.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7194.7 ,063,628	7121.8 2,032,052	7085.3 2,014,971	068.6 2,005,559	0.24 0.47

Undesired		Total IX	Unique IX, before		Unique IX, after	
WWXY-LD CH.2 D2 LD APP	20.7	11,449			16.7	9,412
W03BZ-D D3 LD CP	6.9	2,576	6.9	2,576	6.9	2,576
W03BY-D D3 LD CP	5.9	1,436	5.9	1,436	5.9	1,436
WVDO-LD D4 LD LIC	23.6	13,069	23.6	13,069	19.7	11,032

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWXY-LD	CH.2 D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	
Undesired:	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	69.3 km
	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	113.1
	W02CS-D	D2	LD	CP	PONCE, PR	BLANK0000063899	49.0

Service area	Terrain-limited	IX-free	Percent IX
10312.2 2,242,704	10039.0 2,218,906	9625.6 2,205,045	4.12 0.62

Undesired	Total IX	Unique IX	Prcnt Unique IX
W02CT-D D2 LD LIC	10.8 6,453	7.9 5,222	0.08 0.24
W02CU-D D2 LD LIC	18.7 3,177	14.8 2,168	0.15 0.10
W02CS-D D2 LD CP	388.7 5,462	385.8 5,240	3.84 0.24

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWXY-LD	CH.2 D2	LD	APP	SAN JUAN, PR	WWXY@CH.2_3XCL24	
Undesired:	W02CT-D	D2	LD	LIC	ARECIBO, PR	BLANK0000006969	69.3 km
	W02CU-D	D2	LD	LIC	MAYAGUEZ, PR	BLANK0000006966	113.1
	W02CS-D	D2	LD	LIC	PONCE, PR	BLANK0000007285	49.0

Service area	Terrain-limited	IX-free	Percent IX
10312.2 2,242,704	10039.0 2,218,906	9771.7 2,208,314	2.66 0.48

Undesired	Total IX	Unique IX	Prcnt Unique IX
W02CT-D D2 LD LIC	10.8 6,453	6.9 3,952	0.07 0.18
W02CU-D D2 LD LIC	18.7 3,177	11.8 2,168	0.12 0.10
W02CS-D D2 LD LIC	247.6 4,400	239.7 1,971	2.39 0.09