

tvstudy v2.2.3 (Dxtpx3)  
Database: localhost, Study: WIPR-800K-10312017, Model: Longley-Rice  
Start: 2017.10.31 11:21:29

Study created: 2017.10.31 11:20:00

Study build station data: LMS TV 2017-10-28 (41)

Proposal: WIPR-TVPRO D26 DT APP SAN JUAN, PR  
File number: DTVBL53859  
Facility ID: 53859  
Station data: User record  
Record ID: 144  
Country: U.S.

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WQHA	D25	DT	CP	AGUADA, PR	BLANK0000024555	122.4 km
WQHA	D25	DT	BL	AGUADA, PR	DTVBL3255	122.4
WAPA-TV	D27	DT	LIC	SAN JUAN, PR	BLCDT20060621ACQ	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
Latitude: 18 6 34.86 N (NAD83)  
Longitude: 66 3 3.59 W  
Height AMSL: 1190.1 m  
HAAT: 838.0 m  
Peak ERP: 800 kW  
Antenna: DIE-26JSC-R CT150SP (ID 100935) 0.0 deg  
Elev Pattnr:  
Elec Tilt: 1.5

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	612 kW	1038.1 m	136.9 km
45.0	776	946.9	135.9
90.0	596	875.8	129.9
135.0	71.5	749.3	105.0
180.0	66.8	1000.3	112.1
225.0	705	688.8	124.3
270.0	676	705.1	124.6
315.0	732	726.2	126.4

Database HAAT does not agree with computed HAAT  
Database HAAT: 838 m Computed HAAT: 841 m

ERP exceeds maximum  
ERP: 800 kW ERP maximum: 182 kW

\*\*Proposal service area extends beyond baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 2483.5 km

Distance to Mexican border: 3289.7 km

\*\*Proposal is within coordination distance of FCC monitoring station

\*\*Proposal exceeds field strength limit at FCC monitoring station

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 251.3 degrees Distance: 36.2 km

ERP: 790 kW HAAT: 613.5 m Field strength: 89.9 dBu, 31.4 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.6 degrees Distance: 4468.6 km

Study cell size: 2.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000024555 CP, scenario 1

Distance	Call	Chan	Svc	Status	City, State	File Number
Desired:	WQHA	D25	DT	CP	AGUADA, PR	BLANK0000024555
Undesireds:	WIPR-TV	D26	DT	BL	SAN JUAN, PR	DTVBL53859
122.4 km	WIPR-TVPROD	26	DT	APP	SAN JUAN, PR	DTVBL53859
122.4	WUJA	D24	DT	CP	CAGUAS, PR	BLANK0000024838
114.2						
Service area		Terrain-limited		IX-free, before		IX-free, after
Percent New IX	14577.2	1,052,107	13748.0	879,558	13347.6	878,430
0.60	0.03					13267.7
						878,168
Undesired			Total IX		Unique IX, before	Unique IX, after
WIPR-TV D26 DT BL	400.4		1,128		400.4	1,128
WIPR-TVPRO D26 DT APP	480.3		1,390		480.3	1,390

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Interference to DTVBL3255 BL, scenario 1

Distance	Call	Chan	Svc	Status	City, State	File Number
Desired:	WQHA	D25	DT	BL	AGUADA, PR	DTVBL3255

Undesireds:	WIPR-TV	D26	DT	BL	SAN JUAN, PR	DTVBL53859
122.4 km						
	WIPR-TVPROD26	DT	APP	SAN JUAN, PR	DTVBL53859	
122.4						
	WUJA	D24	DT	CP	CAGUAS, PR	BLANK0000024838
114.2						
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	Service area	Terrain-limited		IX-free, before		IX-free, after
Percent New IX						
14561.2	1,052,107	13728.0	874,797	13327.6	873,669	13243.7 873,407
0.63	0.03					
Undesired			Total IX	Unique IX, before		Unique IX, after
WIPR-TV D26 DT BL	400.4	1,128	400.4	1,128		
WIPR-TVPRO D26 DT APP	484.3	1,390			484.3	1,390
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Interference to BLCDT20060621ACQ LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number
Distance						
Desired:	WAPA-TV	D27	DT	LIC	SAN JUAN, PR	BLCDT20060621ACQ
Undesireds:	WIPR-TV	D26	DT	BL	SAN JUAN, PR	DTVBL53859
0.0 km						
	WIPR-TVPROD26	DT	APP	SAN JUAN, PR	DTVBL53859	
0.0						
	WKAQ-TV	D28	DT	LIC	SAN JUAN, PR	BLCDT20110325AAP
0.4						
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	Service area	Terrain-limited		IX-free, before		IX-free, after
Percent New IX						
54937.9	3,764,742	53445.2	3,363,102	53353.1	3,345,602	53349.1 3,345,549
0.01	0.00					
Undesired			Total IX	Unique IX, before		Unique IX, after
WIPR-TV D26 DT BL	0.0	0	0.0	0		
WIPR-TVPRO D26 DT APP	4.0	53			4.0	53
WKAQ-TV D28 DT LIC	92.1	17,500	92.1	17,500	92.1	17,500
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Interference to proposal, scenario 1  
0.57% interference

	Call	Chan	Svc	Status	City, State	File Number
Distance						
Desired:	WIPR-TVPROD26	DT	APP	SAN JUAN, PR	DTVBL53859	
Undesireds:	WQHA	D25	DT	CP	AGUADA, PR	BLANK0000024555
122.4 km						
	WAPA-TV	D27	DT	LIC	SAN JUAN, PR	BLCDT20060621ACQ
0.0						
	Service area	Terrain-limited		IX-free		Percent IX
49534.0	3,748,098	47985.3	3,326,920	47909.3	3,308,048	0.16 0.57

Undesired		Total IX		Unique IX	Prcnt Unique IX
WQHA D25 DT CP	68.0	18,332	68.0	18,332	0.14 0.55
WAPA-TV D27 DT LIC	8.0	540	8.0	540	0.02 0.02

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Interference to proposal, scenario 2  
0.57% interference

Distance	Call	Chan	Svc	Status	City, State	File Number
Desired:	WIPR-TV	PROD26	DT	APP	SAN JUAN, PR	DTVBL53859
Undesireds:	WQHA	D25	DT	BL	AGUADA, PR	DTVBL3255
122.4 km	WAPA-TV	D27	DT	LIC	SAN JUAN, PR	BLCDT20060621ACQ
0.0						

	Service area		Terrain-limited		IX-free		Percent IX
49534.0	3,748,098	47985.3	3,326,920	47909.3	3,308,048	0.16	0.57

  

Undesired		Total IX		Unique IX	Prcnt Unique IX
WQHA D25 DT BL	68.0	18,332	68.0	18,332	0.14 0.55
WAPA-TV D27 DT LIC	8.0	540	8.0	540	0.02 0.02