

tvstudy v2.2.1
Database: 127.0.0.1, Study: JASS-16 (22), Model: Longley-Rice
Start: 2017.05.09 09:58:10

Study created: 2017.05.09 09:58:06

Study build station data: LMS TV 2017-05-03 (2)

Proposal: WQHA D25 DT BL AGUADA, PR
File number: JASS-16
Facility ID: 3255
Station data: User record
Record ID: 24
Country: U.S.

Record ARNs excluded:

3255

Records before 2017-04-13 excluded if not on baseline channel

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WUJA	D24	DT	BL	CAGUAS, PR	DTVBL8156	114.2 km
WIPR-TV	D26	DT	BL	SAN JUAN, PR	DTVBL53859	122.3

No AM stations found within 2.0 km

Record parameters as studied:

Channel: D25
Latitude: 18 18 41.83 N (NAD83)
Longitude: 67 11 24.65 W
Height AMSL: 376.0 m
HAAT: 328.0 m
Peak ERP: 26.9 kW
Antenna: JA-SS-16.255 SHC 0.0 deg

39.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	17.2 kW	355.4 m	74.1 km
45.0	26.1	278.0	70.6
90.0	21.8	212.8	65.2
135.0	26.4	298.7	72.2
180.0	15.5	375.9	75.0
225.0	2.67	376.0	64.0
270.0	1.82	372.6	61.6
315.0	3.39	345.3	63.7

Database HAAT does not agree with computed HAAT

Database HAAT: 328 m Computed HAAT: 327 m

Distance to Canadian border: 2465.0 km

Distance to Mexican border: 3169.4 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 111.5 degrees Distance: 92.6 km

ERP: 23.0 kW Field strength: 12.0 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.9 degrees Distance: 4363.9 km

Study cell size: 2.00 km

Profile resolution: 1.0 points/km

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

Maximum new IX to LPTV: 2.00%

Interference to DTVBL8156 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL53859 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WIPR-TV	D26	DT	BL	SAN JUAN, PR	DTVBL53859			
Undesireds:	WQHA	D25	DT	BL	AGUADA, PR	JASS-16	122.3 km		
	WAPA-TV	D27	DT	LIC	SAN JUAN, PR	BLCDT20060621ACQ	0.0		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
44587.1	3,594,526	43150.6	3,202,732	43074.5	3,192,013	43046.5	3,184,270	0.06	0.24
Undesired		Total IX		Unique IX, before		Unique IX, after			
WQHA D25 DT BL		28.0	7,743			28.0	7,743		
WAPA-TV D27 DT LIC		76.1	10,719	76.1	10,719	76.1	10,719		

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQHA	D25	DT	BL	AGUADA, PR	JASS-16	
Undesireds:	WUJA	D24	DT	BL	CAGUAS, PR	DTVBL8156	114.2 km
	WIPR-TV	D26	DT	BL	SAN JUAN, PR	DTVBL53859	122.3
Service area		Terrain-limited		IX-free		Percent IX	
14577.2	1,052,107	13744.0	874,797	13363.6	873,752	2.77	0.12
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WIPR-TV D26 DT BL		380.4	1,045	380.4	1,045	2.77	0.12