

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-03-2009 Time: 13:05:05

Record Selected for Analysis

NEW USERRECORD-01 WNIK ARECIBO PR US
Channel 02 ERP 0.3 kW HAAT 55. m RCAMSL 00087 m STRINGENT MASK
Latitude 018-27-20 Longitude 0066-44-24
Status APP Zone 2 Border
Dir Antenna Make CDB Model 00000000078591 Beam tilt N Ref Azimuth 70.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.50 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	43.0 dBu F(50,90) (km)
0.0	0.300	87.0	30.5
45.0	0.064	87.0	22.2
90.0	0.007	59.5	11.1
135.0	0.001	33.0	5.1
180.0	0.008	33.0	8.3
225.0	0.001	33.0	5.1
270.0	0.007	33.0	8.2
315.0	0.064	84.1	21.9

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is 0.00km from AM station

ARECIBO PR WNIK Status: L Antenna: ND1

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
02	NEW	WNIK ARECIBO PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	NEW	CAROLINA PR	95.5	APP	BNPDVL	-20090825BQX
02	NEW	SAN JUAN PR	63.2	APP	BNPDVL	-20090825AWM
03	NEW	GUAYNABO PR	70.9	APP	BNPDVL	-20090825BQI
03	NEW	MAYAGUEZ PR	47.6	APP	BNPDVL	-20090825BPX
03	NEW	MAYAGUEZ PR	42.6	APP	BNPDVL	-20090825BRB
03	NEW	PONCE PR	53.0	APP	BNPDVL	-20090825BRF
03	NEW	PONCE PR	48.4	APP	BNPDVL	-20090825BQD
03	NEW	SAN JUAN PR	95.6	APP	BNPDVL	-20090825BQT

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	NEW	CAROLINA PR	BNPDVL	-20090825BQX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	NEW	SAN JUAN PR	33.0	APP	BNPDVL	-20090825AWM
03	NEW	GUAYNABO PR	25.5	APP	BNPDVL	-20090825BQI
03	NEW	MAYAGUEZ PR	139.0	APP	BNPDVL	-20090825BPX
03	NEW	MAYAGUEZ PR	120.0	APP	BNPDVL	-20090825BRB
03	NEW	PONCE PR	88.0	APP	BNPDVL	-20090825BRF
03	NEW	PONCE PR	89.2	APP	BNPDVL	-20090825BQD
03	NEW	SAN JUAN PR	0.1	APP	BNPDVL	-20090825BQT
02	NEW	WNIK ARECIBO PR	95.5	APP	USERRECORD-01	

Total scenarios = 32

Result key: 1
Scenario 1 Affected station 1 NEW
Before Analysis