

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-19-2009 Time: 16:20:56

Record Selected for Analysis

NEW USERRECORD-01 ST THOMAS - VI US
Channel 50 ERP 15. kW HAAT 500. m RCAMSL 00515 m STRINGENT MASK
Latitude 018-21-28 Longitude 0064-56-53
Status APP Zone 2 Border
Dir Antenna Make CDB Model 00000000017708 Beam tilt N Ref Azimuth 30.
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) | 51.0 dBu F(50,90) (km) |
|------------------|-------------|-------------|---------------------------|
| 0.0 | 12.974 | 515.0 | 63.9 |
| 45.0 | 14.114 | 507.7 | 64.2 |
| 90.0 | 14.114 | 492.7 | 63.8 |
| 135.0 | 10.086 | 499.7 | 61.9 |
| 180.0 | 0.794 | 513.2 | 47.1 |
| 225.0 | 0.693 | 514.5 | 46.3 |
| 270.0 | 5.953 | 442.9 | 56.9 |
| 315.0 | 14.553 | 515.0 | 64.6 |

Contour Overlap to Proposed Station

| Station | | | |
|---------|-------------------|--------------------|--------|
| WVQS-LP | 50 ISABEL SEGUNDA | PR BSTA20070718AEX | causes |

Contour overlap to Digital LPTV station

| | | |
|-----|---------------------|-----------------|
| NEW | 50 ST THOMAS - WJTX | PR USERRECORD01 |
|-----|---------------------|-----------------|

| Station | | | |
|---------|-------------------|---------------------|--------|
| WVQS-LP | 50 ISABEL SEGUNDA | PR BLTTL20080128ABD | causes |

Contour overlap to Digital LPTV station
NEW 50 ST THOMAS - WJTX PR USERRECORD01

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 OK toward AM broadcast stations

Start of Interference Analysis

| Channel | Proposed Station Call | City/State | ARN |
|---------|--------------------------|---------------------|--------------|
| 50 | NEW | ST THOMAS - WJTX PR | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|-------------------|----------|--------|-------------|--------------|
| 35 | W35CE | CHRISTIANSTED VI | 75.1 | CP | BNPTT | -20000830BGV |
| 42 | WIVE-LP | CEIBA PR | 76.6 | LIC | BLTTL | -20030128ABW |
| 49 | WVSN | HUMACAO PR | 95.9 | CP MOD | BMPCDT | -20060719ACQ |
| 49 | NEW | JUANA DIAZ PR | 162.1 | APP | BNPDTL | -20090825BAY |
| 49 | NEW | ST CROIX VI | 68.7 | APP | BNPDTL | -20090825BGZ |
| 50 | WQHA | AGUADA PR | 235.5 | CP | BPCDT | -20080317AEQ |
| 50 | NEW | CAYEY PR | 138.7 | APP | BNPDTL | -20090825BAS |
| 50 | WVQS-LP | ISABEL SEGUNDA PR | 57.9 | APP | BSTA | -20070718AEX |
| 50 | WVQS-LP | ISABEL SEGUNDA PR | 89.3 | CP | BDFCDTL | -20080428ACH |
| 50 | WVQS-LP | ISABEL SEGUNDA PR | 57.9 | LIC | BLTTL | -20080128ABD |
| 50 | NEW | PONCE PR | 162.1 | APP | BNPDTL | -20090825BAV |
| 51 | WRFB | CAROLINA PR | 95.9 | LIC | BLCDT | -20071116AFB |
| 51 | WRFB | CAROLINA PR | 95.9 | CP | BPCDT | -20081118AEZ |
| 51 | W51EH-D | PONCE PR | 180.1 | CP | BDFCDTL | -20081229AAV |
| 51 | W51EH-D | PONCE PR | 180.1 | CP | BDISTTL | -20070607AAY |
| 52 | W10CZ-D | SAN JUAN PR | 120.6 | CP | BNPTTL | -20000807ABY |
| 52 | WEYA-LP | CHRISTIANSTED VI | 75.1 | LIC | BLTTL | -20050207ABB |

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|-------|------------------|-------------|--------------|
| 35 | W35CE | CHRISTIANSTED VI | BNPTT | -20000830BGV |

Stations Potentially Affecting This Station