

TECHNICAL EXHIBIT  
DIGITAL FLASH CUT APPLICATION  
STATION WWXY-LP  
FACILITY ID 64856  
SAN JUAN, PR  
CH 38 2.91 KW 536 M AMSL

June 29, 2009

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Technical Narrative

This technical exhibit supports a digital flash-cut application for television station WWXY-LP, File Number BLTTL-20080716AAS. WWXY-LP is licensed to operate on NTSC channel 38 with a directional antenna, effective radiated power (ERP) of 95.1 kW and an antenna height above mean sea level (RCAMSL) of 536 meters.

Station WWXY-LP is requesting authorization to digital flash-cut. It is proposed to operate from its present transmitter site using its existing antenna system, thus there will be overlap of the current 74 dBu and proposed 51 dBu contours as detailed below.

This application is considered a "minor change" in facilities pursuant to Section 73.3572, as it is a digital flash-cut application and the proposed 51 dBu contour will overlap a portion of the licensed 74 dBu contour (see Figure 1).

Proposed Facilities

Station WWXY proposes to operate on digital mode on channel 38 (614-620 MHz) from its existing transmitter site. An Andrew model ALP12L2-HSN antenna, shown in Appendix 1, will be employed with a maximum ERP of 2.91 kW and a RCAMSL of 536 meters. The antenna is mounted at the 36-meter level on the existing 56-meter tower that according to the TOWAIR study does not require registration.

### Allocation Considerations

A post-transition interference study<sup>1</sup> has been conducted to assure that the proposal will not create prohibited interference with other licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations. The results of the study are shown in Figure 2.

Using the procedures outlined in the FCC's OET-69 Bulletin, a cell size of 1 kilometer, a distance increment of 0.5 kilometer and a full service out-of-channel emission mask filter, no prohibitive interference is predicted to any other station. If necessary, a waiver of the FCC rules, including Section 74.793 and 74.794, is respectfully requested for the use of the full service mask filter. Grant of the requested waivers is in the public interest, as the potential for first adjacent interference will be reduced.

The proposed operation, with no change in site, frequency of operation or antenna system, but with a significantly reduction in ERP, will actually lower radiation towards the National Astronomy and Ionosphere Center in Arecibo. The proposed facilities will provide the necessary protection to radio astronomy installations and FCC monitoring stations.

### Radiofrequency Electromagnetic Field Exposure

The proposed WWXY facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 36 meters above ground level and the proposed ERP is 2.91 kW average. Assuming an antenna worst-case field factor of 0.3 for any depression angle greater than 5 degrees below horizon (see Appendix 1), the highest RF exposure that can be expected at a point 2 meters above ground level

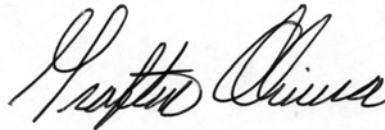
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<sup>1</sup> The du Treil, Lundin & Rackley, Inc. TV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 1 km and a distance increment of 0.5 km were employed. An Alpha based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

corresponds to a power density of  $7.6 \text{ uW/cm}^2$ . This is 1.84% of the FCC's recommended limit of  $411.3 \text{ uW/cm}^2$  for channel 38 for an "uncontrolled" environment, and thus in compliance with FCC rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis should have been provided to the FCC by the existing tower owner.

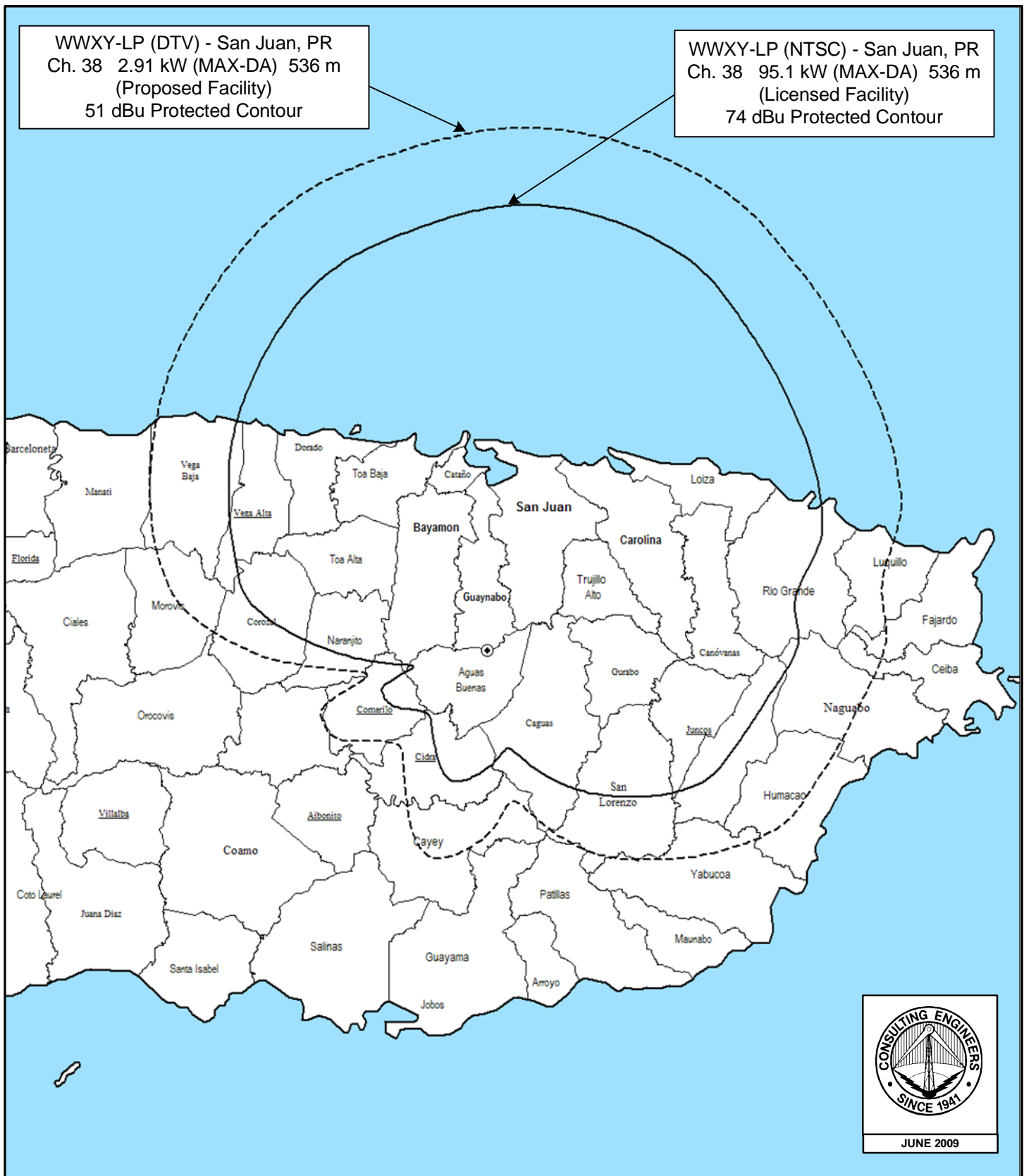
A handwritten signature in black ink, appearing to read 'Grafton Olivera', is centered on the page.

Grafton Olivera, P.E.

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 34237  
(941) 329-6000

June 29, 2009

### Figure 1



## FCC PREDICTED COVERAGE CONTOURS

DTV STATION WWXY-LP

SAN JUAN, PUERTO RICO

CH 38 2.91 KW (MAX-DA) 536 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

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OET-69 Post-Transition Interference Analysis

**WWXY-LP San Juan, PR, OET-69 Post-Transition Interference Analysis**

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-25-2009 Time: 15:14:13

Record Selected for Analysis

WWXY-LP USERRECORD-01 SAN JUAN PR US  
Channel 38 ERP 2.91 kW HAAT 316. m RCAMSL 00536 m FULL SERVICE MASK  
Latitude 018-16-49 Longitude 0066-06-35  
Status APP Zone 2 Border  
Dir Antenna Make CDB Model 00000000016387 Beam tilt N Ref Azimuth 15.  
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	2.566	470.3	52.7
45.0	1.933	432.2	49.7
90.0	0.469	416.7	40.8
135.0	0.082	386.0	29.5
180.0	0.089	129.0	18.8
225.0	0.031	98.8	12.4
270.0	0.175	157.4	24.4
315.0	0.778	440.8	44.5

Contour Overlap to Proposed Station

Station	
NEW 38 CAGUAS	PR BNPTTL20000804ACN

Station inside contour of Digital LPTV station  
WWXY-LP 38 SAN JUAN PR USERRECORD01



Station  
NEW 38 SAN JUAN PR BNPTTL20000830AXC

Station inside contour of Digital LPTV station  
WWXY-LP 38 SAN JUAN PR USERRECORD01

Station  
WWXY-LP 38 SAN JUAN PR BLTTL20080716AAS

Station inside contour of Digital LPTV station  
WWXY-LP 38 SAN JUAN 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

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#### Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
38	WWXY-LP	SAN JUAN PR	USERRECORD01

#### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WSJX-LP	AQUADILLA PR	110.8	LIC	BLTTL	-20050407AAH
30	WSJP-LP	AQUADILLA PR	110.8	LIC	BLTTL	-20050411AAY
34	W34CI	MAYAGUEZ, ETC. PR	114.2	LIC	BLTT	-19971031JA
34	W51EH-D	PONCE PR	62.8	CP	BNPTTL	-20000807ADG
36	W36DB	PONCE PR	61.1	LIC	BLTTL	-20060406AAZ
36	W36DP	YCAMUY PR	113.0	CP	BDISTTL	-20070629AJN
38	NEW	CAGUAS PR	1.8	APP	BNPTTL	-20000804ACN
38	NEW	SAN JUAN PR	6.0	APP	BNPTTL	-20000830AXC
38	WBIV-LP	CHARLOTTE AMALIE VI	120.4	LIC	BLTTL	-19990709JF
39	WJWN-TV	SAN SEBASTIAN PR	93.4	CP MOD	BMPCDT	-20040120AES
39	NEW	CHRISTIANSTEAD VI	150.3	APP	BNPTTL	-20000821AAG
42	WIVE-LP	CEIBA PR	46.5	LIC	BLTTL	-20030128ABW
45	W36DP	YCAMUY PR	83.2	CP	BNPTTL	-20000830AJD
46	W34CI	MAYAGUEZ PR	114.2	CP	BDISTT	-20070828AAO

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## Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	WSJX-LP	AQUADILLA PR	BLTTL -20050407AAH

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	WMTJ	FAJARDO PR	143.5	APP	BMPEDT -20080620AEH
16	WMTJ	FAJARDO PR	143.5	PLN	DTVPLN -DTVP0577
16	WMTJ	FAJARDO PR	143.5	CP MOD	BMPEDT -20070629AEN
17	WVEO	AGUADILLA PR	10.2	PLN	DTVPLN -DTVP0614
17	WVEO	AGUADILLA PR	10.2	CP MOD	BMPCDT -20060705ABD
21	WJPX	SAN JUAN PR	137.7	LIC	BLCDDT -20060621ACJ
21	WJPX	SAN JUAN PR	137.7	PLN	DTVPLN -DTVP0774
22	WOST	MAYAGUEZ PR	11.0	CP	BPCDDT -20080303AKY
22	WOST	MAYAGUEZ PR	11.0	PLN	DTVPLN -DTVP0819
23	WXWZ-LP	GUAYAMA PR	116.0	CP	BDCCDTL -20061027ABM
23	WNJX-TV	MAYAGUEZ PR	33.6	PLN	DTVPLN -DTVP0854
23	WNJX-TV	MAYAGUEZ PR	33.6	CP MOD	BMPCDT -20040115ACG
25	WQTO	PONCE PR	55.9	LIC	BLEDT -20060615ACV
25	WQTO	PONCE PR	55.9	PLN	DTVPLN -DTVP0930
25	WQTO	PONCE PR	55.9	CP	BPEDT -20080620AEL
27	WAPA-TV	SAN JUAN PR	120.7	PLN	DTVPLN -DTVP1010
27	WAPA-TV	SAN JUAN PR	120.7	LIC	BLCDDT -20060621ACQ
28	WKAQ-TV	SAN JUAN PR	120.4	LIC	BLCDDT -20020201AAG
28	WKAQ-TV	SAN JUAN PR	120.5	PLN	DTVPLN -DTVP1048
31	WSJU-TV	SAN JUAN PR	112.6	PLN	DTVPLN -DTVP1156
31	WSJU-TV	SAN JUAN PR	112.6	CP MOD	BMPCDT -20060628ACE
31	WSJU-TV	SAN JUAN PR	112.6	APP	BLCDDT -20090217AEH
32	WTCV	SAN JUAN PR	112.6	LIC	BLCDDT -20040722ADD
32	WTCV	SAN JUAN PR	143.6	PLN	DTVPLN -DTVP1194
32	WTCV	SAN JUAN PR	143.6	CP	BPCDDT -20070125AAX
38	WWXY-LP	SAN JUAN PR	110.8	LIC	BLTTL -20080716AAS
39	WJWN-TV	SAN SEBASTIAN PR	33.6	PLN	DTVPLN -DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	33.6	CP MOD	BMPCDT -20040120AES
38	WWXY-LP	SAN JUAN PR	110.8	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WSJP-LP	AQUADILLA PR	BLTTL -20050411AAY

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WOST	MAYAGUEZ PR	11.0	CP	BPCDDT -20080303AKY
22	WOST	MAYAGUEZ PR	11.0	PLN	DTVPLN -DTVP0819

23	WNJX-TV	MAYAGUEZ PR	33.6	PLN	DTVPLN	-DTVP0854
23	WNJX-TV	MAYAGUEZ PR	33.6	CP MOD	BMPCDT	-20040115ACG
27	WAPA-TV	SAN JUAN PR	120.7	PLN	DTVPLN	-DTVP1010
27	WAPA-TV	SAN JUAN PR	120.7	LIC	BLCDDT	-20060621ACQ
28	WKAQ-TV	SAN JUAN PR	120.4	LIC	BLCDDT	-20020201AAG
28	WKAQ-TV	SAN JUAN PR	120.5	PLN	DTVPLN	-DTVP1048
29	WORA-TV	MAYAGUEZ PR	33.2	PLN	DTVPLN	-DTVP1087
29	WORA-TV	MAYAGUEZ PR	33.2	CP MOD	BMPCDT	-20080813AAG
30	WDWL	BAYAMON PR	110.8	PLN	DTVPLN	-DTVP1115
30	WDWL	BAYAMON PR	110.8	CP MOD	BMPCDT	-20081103ACW
31	W31DK-D	MAYAGUEZ PR	20.2	CP	BDISDTL	-20081208ABP
31	W36DB	PONCE PR	72.0	CP	BDISDTL	-20090203ABH
31	WSJU-TV	SAN JUAN PR	112.6	PLN	DTVPLN	-DTVP1156
31	WSJU-TV	SAN JUAN PR	112.6	CP MOD	BMPCDT	-20060628ACE
31	WSJU-TV	SAN JUAN PR	112.6	APP	BLCDDT	-20090217AEH
32	WTCV	SAN JUAN PR	112.6	LIC	BLCDDT	-20040722ADD
32	WTCV	SAN JUAN PR	143.6	PLN	DTVPLN	-DTVP1194
32	WTCV	SAN JUAN PR	143.6	CP	BPCDDT	-20070125AAX
33	WRUA	FAJARDO PR	143.6	CP MOD	BMPCDT	-20080902ABJ
33	WRUA	FAJARDO PR	143.6	PLN	DTVPLN	-DTVP1229
34	WELU	AGUADILLA PR	33.1	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	33.1	PLN	DTVPLN	-DTVP1270
38	WWXY-LP	SAN JUAN PR	110.8	LIC	BLTTTL	-20080716AAS
45	WIDP	GUAYAMA PR	137.8	PLN	DTVPLN	-DTVP1632
45	WIDP	GUAYAMA PR	137.8	LIC	BLCDDT	-20071113ACX
45	WTPM-LP	MAYAGUEZ-ANASCO PR	10.9	CP	BDISDTL	-20060321ABJ
45	W36DP	YCAMUY PR	30.0	CP	BNPTTL	-20000830AJD
38	WWXY-LP	SAN JUAN PR	110.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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# Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	W34CI	MAYAGUEZ, ETC. PR	BLTT	-19971031JA

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WAPA-TV	SAN JUAN PR	122.5	PLN	DTVPLN	-DTVP1010
27	WAPA-TV	SAN JUAN PR	122.5	LIC	BLCDDT	-20060621ACQ
30	WDWL	BAYAMON PR	114.2	PLN	DTVPLN	-DTVP1115
30	WDWL	BAYAMON PR	114.2	CP MOD	BMPCDT	-20081103ACW
31	WSJU-TV	SAN JUAN PR	116.0	PLN	DTVPLN	-DTVP1156
31	WSJU-TV	SAN JUAN PR	116.0	CP MOD	BMPCDT	-20060628ACE
31	WSJU-TV	SAN JUAN PR	116.0	APP	BLCDDT	-20090217AEH
32	WTCV	SAN JUAN PR	116.0	LIC	BLCDDT	-20040722ADD
34	WELU	AGUADILLA PR	27.9	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	27.9	PLN	DTVPLN	-DTVP1270
34	W51EH-D	PONCE PR	71.4	CP	BNPTTL	-20000807ADG
35	WIPM-TV	MAYAGUEZ PR	28.6	CP	BPEDT	-20080619AEV

35	WIPM-TV	MAYAGUEZ PR	28.6	PLN	DTVPLN	-DTVP1306
38	WWXY-LP	SAN JUAN PR	114.2	LIC	BLTTL	-20080716AAS
41	WIRS	YAUCO PR	66.9	PLN	DTVPLN	-DTVP1483
41	WIRS	YAUCO PR	66.9	CP MOD	BMPCDT	-20040430AGV
48	WUJA	CAGUAS PR	114.3	CP	BPEDT	-20080317AET
48	WUJA	CAGUAS PR	114.2	PLN	DTVPLN	-DTVP1719
49	W49CZ-D	AGUADA PR	2.6	CP	BDCCDTL	-20061030ADH
49	WVSN	HUMACAO PR	141.3	CP MOD	BMPCDT	-20060719ACQ
49	WVSN	HUMACAO PR	141.3	PLN	DTVPLN	-DTVP1752
38	WWXY-LP	SAN JUAN PR	114.2	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	W51EH-D	PONCE PR	BNPTTL	-20000807ADG

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WAPA-TV	SAN JUAN PR	61.2	PLN	DTVPLN	-DTVP1010
27	WAPA-TV	SAN JUAN PR	61.2	LIC	BLCDDT	-20060621ACQ
30	WDWL	BAYAMON PR	62.5	PLN	DTVPLN	-DTVP1115
30	WDWL	BAYAMON PR	62.8	CP MOD	BMPCDT	-20081103ACW
31	WSJU-TV	SAN JUAN PR	63.9	PLN	DTVPLN	-DTVP1156
31	WSJU-TV	SAN JUAN PR	63.9	CP MOD	BMPCDT	-20060628ACE
31	WSJU-TV	SAN JUAN PR	63.9	APP	BLCDDT	-20090217AEH
32	WTCV	SAN JUAN PR	63.9	LIC	BLCDDT	-20040722ADD
32	WTCV	SAN JUAN PR	93.9	PLN	DTVPLN	-DTVP1194
32	WTCV	SAN JUAN PR	93.9	CP	BPCDDT	-20070125AAX
33	WRUA	FAJARDO PR	93.9	CP MOD	BMPCDT	-20080902ABJ
33	WRUA	FAJARDO PR	93.9	PLN	DTVPLN	-DTVP1229
33	WQQZ-CA	PONCE PR	17.9	LIC	BLTTL	-19981208JA
34	WELU	AGUADILLA PR	44.0	CP MOD	BMPCDT	-20040316AFD
34	WELU	AGUADILLA PR	44.0	PLN	DTVPLN	-DTVP1270
34	W34CI	MAYAGUEZ, ETC. PR	71.4	LIC	BLTT	-19971031JA
34	WJWM-LP	CHRISTIANSTED VI	193.5	LIC	BLTTL	-20080314AEL
35	WIPM-TV	MAYAGUEZ PR	43.3	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	43.3	PLN	DTVPLN	-DTVP1306
38	WWXY-LP	SAN JUAN PR	62.8	LIC	BLTTL	-20080716AAS
41	WIRS	YAUCO PR	21.3	PLN	DTVPLN	-DTVP1483
41	WIRS	YAUCO PR	21.3	CP MOD	BMPCDT	-20040430AGV
48	WUJA	CAGUAS PR	62.8	CP	BPEDT	-20080317AET
48	WUJA	CAGUAS PR	62.5	PLN	DTVPLN	-DTVP1719
49	W49CZ-D	AGUADA PR	70.1	CP	BDCCDTL	-20061030ADH
49	WVSN	HUMACAO PR	86.9	CP MOD	BMPCDT	-20060719ACQ
49	WVSN	HUMACAO PR	86.9	PLN	DTVPLN	-DTVP1752
38	WWXY-LP	SAN JUAN PR	62.8	APP	USERRECORD-01	

Proposed station is beyond the site to

nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	W36DB	PONCE PR	BLTTL	-20060406AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WKAQ-TV	SAN JUAN PR	60.4	LIC	BLCDDT	-20020201AAG
28	WKAQ-TV	SAN JUAN PR	60.4	PLN	DTVPLN	-DTVP1048
29	WORA-TV	MAYAGUEZ PR	42.6	PLN	DTVPLN	-DTVP1087
29	WORA-TV	MAYAGUEZ PR	42.7	CP MOD	BMPCDDT	-20080813AAG
32	WTCV	SAN JUAN PR	62.4	LIC	BLCDDT	-20040722ADD
32	WTCV	SAN JUAN PR	92.7	PLN	DTVPLN	-DTVP1194
32	WTCV	SAN JUAN PR	92.7	CP	BPCDDT	-20070125AAX
33	WRUA	FAJARDO PR	92.7	CP MOD	BMPCDDT	-20080902ABJ
33	WRUA	FAJARDO PR	92.7	PLN	DTVPLN	-DTVP1229
34	WELU	AGUADILLA PR	42.8	CP MOD	BMPCDDT	-20040316AFD
34	WELU	AGUADILLA PR	42.8	PLN	DTVPLN	-DTVP1270
35	WIPM-TV	MAYAGUEZ PR	42.1	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	42.1	PLN	DTVPLN	-DTVP1306
36	W36DP	YCAMUY PR	69.0	CP	BDISTTL	-20070629AJN
38	WWXY-LP	SAN JUAN PR	61.1	LIC	BLTTL	-20080716AAS
39	WJWN-TV	SAN SEBASTIAN PR	42.1	PLN	DTVPLN	-DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	42.1	CP MOD	BMPCDDT	-20040120AES
43	WSUR-DT	PONCE PR	18.2	LIC	BLCDDT	-20030819ABT
43	WIPR-TV	SAN JUAN PR	60.5	CP MOD	BMPCDDT	-20080619AEX
43	WIPR-TV	SAN JUAN PR	60.5	PLN	DTVPLN	-DTVP1554
50	WQHA	AGUADA PR	69.0	CP	BPCDDT	-20080317AEQ
50	WQHA	AGUADA PR	69.0	PLN	DTVPLN	-DTVP1781
51	WRFB	CAROLINA PR	85.7	PLN	DTVPLN	-DTVP1811
51	WRFB	CAROLINA PR	85.7	LIC	BLCDDT	-20071116AFB
51	WRFB	CAROLINA PR	85.7	CP	BPCDDT	-20081118AEZ
51	W51DJ	MAYAGUEZ PR	57.9	LIC	BLTTL	-20060404ADK
51	W51DJ	MAYAGUEZ PR	57.9	CP	BDFCDDL	-20081208AAQ
51	W51EH-D	PONCE PR	0.0	CP	BDISTTL	-20070607AAY
51	W51EH-D	PONCE PR	0.0	CP	BDFCDDL	-20081229AAV
38	WWXY-LP	SAN JUAN PR	61.1	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WKAQ-TV	SAN JUAN PR	121.1	LIC	BLCDDT	-20020201AAG
28	WKAQ-TV	SAN JUAN PR	121.1	PLN	DTVPLN	-DTVP1048
29	WORA-TV	MAYAGUEZ PR	27.5	PLN	DTVPLN	-DTVP1087
29	WORA-TV	MAYAGUEZ PR	27.4	CP MOD	BMPCDDT	-20080813AAG
32	WTCV	SAN JUAN PR	114.8	LIC	BLCDDT	-20040722ADD
34	WELU	AGUADILLA PR	27.3	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	27.3	PLN	DTVPLN	-DTVP1270
35	WIPM-TV	MAYAGUEZ PR	27.9	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	27.9	PLN	DTVPLN	-DTVP1306
36	W36DB	PONCE PR	69.0	APP	BDFCDTL	-20081208ADY
36	W36DB	PONCE PR	69.0	LIC	BLTTL	-20060406AAZ
38	WWXY-LP	SAN JUAN PR	113.0	LIC	BLTTL	-20080716AAS
39	WJWN-TV	SAN SEBASTIAN PR	27.9	PLN	DTVPLN	-DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	27.9	CP MOD	BMPCDDT	-20040120AES
43	WSUR-DT	PONCE PR	65.8	LIC	BLCDDT	-20030819ABT
43	WIPR-TV	SAN JUAN PR	121.4	CP MOD	BMPEDT	-20080619AEX
43	WIPR-TV	SAN JUAN PR	121.4	PLN	DTVPLN	-DTVP1554
50	WQHA	AGUADA PR	0.0	CP	BPCDDT	-20080317AEQ
50	WQHA	AGUADA PR	0.0	PLN	DTVPLN	-DTVP1781
51	WRFB	CAROLINA PR	140.1	PLN	DTVPLN	-DTVP1811
51	WRFB	CAROLINA PR	140.1	LIC	BLCDDT	-20071116AFB
51	WRFB	CAROLINA PR	140.1	CP	BPCDDT	-20081118AEZ
51	W51DJ	MAYAGUEZ PR	12.3	LIC	BLTTL	-20060404ADK
51	W51DJ	MAYAGUEZ PR	12.3	CP	BDFCDTL	-20081208AAQ
51	W51EH-D	PONCE PR	69.0	CP	BDFCDTL	-20081229AAV
38	WWXY-LP	SAN JUAN PR	113.0	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 7

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	NEW	CAGUAS PR	BNPTTL	-20000804ACN

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WDWL	BAYAMON PR	1.8	PLN	DTVPLN	-DTVP1115
30	WDWL	BAYAMON PR	1.8	CP MOD	BMPCDDT	-20081103ACW
31	WSJU-TV	SAN JUAN PR	0.0	PLN	DTVPLN	-DTVP1156
31	WSJU-TV	SAN JUAN PR	0.0	CP MOD	BMPCDDT	-20060628ACE
31	WSJU-TV	SAN JUAN PR	0.0	APP	BLCDDT	-20090217AEH
34	WELU	AGUADILLA PR	95.6	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	95.6	PLN	DTVPLN	-DTVP1270
35	WIPM-TV	MAYAGUEZ PR	95.0	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	95.0	PLN	DTVPLN	-DTVP1306

38	NEW	SAN JUAN PR	7.8	APP	BNPTTL	-20000830AXC
38	WWXY-LP	SAN JUAN PR	1.8	LIC	BLTTL	-20080716AAS
38	WBIV-LP	CHARLOTTE AMALIE VI	118.7	LIC	BLTTL	-19990709JF
39	WJWN-TV	SAN SEBASTIAN PR	95.0	PLN	DTVPLN	-DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	95.0	CP MOD	BMPCDT	-20040120AES
41	WIRS	YAUCO PR	52.4	PLN	DTVPLN	-DTVP1483
41	WIRS	YAUCO PR	52.4	CP MOD	BMPCDT	-20040430AGV
45	WIDP	GUAYAMA PR	25.5	PLN	DTVPLN	-DTVP1632
45	WIDP	GUAYAMA PR	25.4	LIC	BLCDDT	-20071113ACX
46	WCCV-TV	ARECIBO PR	70.5	CP	BPCDDT	-20080317AEO
46	WCCV-TV	ARECIBO PR	70.5	PLN	DTVPLN	-DTVP1657
38	WWXY-LP	SAN JUAN PR	1.8	APP	USERRECORD-01	

Total scenarios = 3

Result key: 1  
 Scenario 1 Affected station 7 NEW  
 Before Analysis

Results for: 38N PR CAGUAS	BNPTTL	20000804ACN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1997829	3388.9	
not affected by terrain losses	1820994	2964.5	
lost to NTSC IX	1383655	1979.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	1383655	1979.0	

Potential Interfering Stations Included in above Scenario 1

38N PR SAN JUAN	BLTTL	20080716AAS	LIC
38N VI CHARLOTTE AMALIE	BLTTL	19990709JF	LIC
30A PR BAYAMON	BMPCDT	20081103ACW	CP

After Analysis

Results for: 38N PR CAGUAS	BNPTTL	20000804ACN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1997829	3388.9	
not affected by terrain losses	1820994	2964.5	
lost to NTSC IX	13765	84.7	
lost to additional IX by ATV	1354129	1863.8	
lost to all IX	1367894	1948.5	

Potential Interfering Stations Included in above Scenario 1

38N VI CHARLOTTE AMALIE	BLTTL	19990709JF	LIC
30A PR BAYAMON	BMPCDT	20081103ACW	CP
38A PR SAN JUAN	USERRECORD01		APP

Percent new IX = -0.7889%

Result key: 2  
 Scenario 2 Affected station 7 NEW  
 Before Analysis

Results for: 38N PR CAGUAS	BNPTTL	20000804ACN	APP
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	POPULATION	AREA (sq km)
within Noise Limited Contour	1997829	3388.9
not affected by terrain losses	1820994	2964.5
lost to NTSC IX	1386090	1981.0
lost to additional IX by ATV	0	0.0
lost to all IX	1386090	1981.0

Potential Interfering Stations Included in above Scenario 2

38N PR SAN JUAN	BNPTTL	20000830AXC	APP
38N PR SAN JUAN	BLTTL	20080716AAS	LIC
38N VI CHARLOTTE AMALIE	BLTTL	19990709JF	LIC
30A PR BAYAMON	BMPCDT	20081103ACW	CP

After Analysis

Results for: 38N PR CAGUAS

	BNPTTL	20000804ACN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1997829	3388.9	
not affected by terrain losses	1820994	2964.5	
lost to NTSC IX	21982	89.6	
lost to additional IX by ATV	1348347	1860.8	
lost to all IX	1370329	1950.4	

Potential Interfering Stations Included in above Scenario 2

38N PR SAN JUAN	BNPTTL	20000830AXC	APP
38N VI CHARLOTTE AMALIE	BLTTL	19990709JF	LIC
30A PR BAYAMON	BMPCDT	20081103ACW	CP
38A PR SAN JUAN	USERRECORD01		APP

Percent new IX = -0.7889%

Result key: 3  
 Scenario 3 Affected station 7 NEW  
 Before Analysis

Results for: 38N PR CAGUAS

	BNPTTL	20000804ACN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1997829	3388.9	
not affected by terrain losses	1820994	2964.5	
lost to NTSC IX	1383655	1979.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	1383655	1979.0	

Potential Interfering Stations Included in above Scenario 3

38N PR SAN JUAN	BLTTL	20080716AAS	LIC
38N VI CHARLOTTE AMALIE	BLTTL	19990709JF	LIC
30A PR BAYAMON	BMPCDT	20081103ACW	CP

After Analysis

Results for: 38N PR CAGUAS

	BNPTTL	20000804ACN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1997829	3388.9	
not affected by terrain losses	1820994	2964.5	



lost to NTSC IX	13765	84.7
lost to additional IX by ATV	1354129	1863.8
lost to all IX	1367894	1948.5

Potential Interfering Stations Included in above Scenario 3

38N VI CHARLOTTE AMALIE	BLTTTL	19990709JF	LIC
30A PR BAYAMON	BMPCDT	20081103ACW	CP
38A PR SAN JUAN	USERRECORD01		APP

Percent new IX = -0.7889%

Worst case new IX -0.7889% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	NEW	SAN JUAN PR	BNPTTL -20000830AXC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WDWL	BAYAMON PR	6.0	PLN	DTVPLN -DTVP1115
30	WDWL	BAYAMON PR	6.0	CP MOD	BMPCDT -20081103ACW
31	WSJU-TV	SAN JUAN PR	7.8	PLN	DTVPLN -DTVP1156
31	WSJU-TV	SAN JUAN PR	7.8	CP MOD	BMPCDT -20060628ACE
31	WSJU-TV	SAN JUAN PR	7.8	APP	BLCDDT -20090217AEH
34	WELU	AGUADILLA PR	88.5	CP MOD	BMPEDT -20040316AFD
34	WELU	AGUADILLA PR	88.5	PLN	DTVPLN -DTVP1270
35	WIPM-TV	MAYAGUEZ PR	87.8	CP	BPEDT -20080619AEV
35	WIPM-TV	MAYAGUEZ PR	87.8	PLN	DTVPLN -DTVP1306
38	NEW	CAGUAS PR	7.8	APP	BNPTTL -20000804ACN
38	WWXY-LP	SAN JUAN PR	6.0	LIC	BLTTTL -20080716AAS
38	WBIV-LP	CHARLOTTE AMALIE VI	126.1	LIC	BLTTTL -19990709JF
39	WJWN-TV	SAN SEBASTIAN PR	87.8	PLN	DTVPLN -DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	87.8	CP MOD	BMPCDT -20040120AES
41	WIRS	YAUCO PR	45.6	PLN	DTVPLN -DTVP1483
41	WIRS	YAUCO PR	45.6	CP MOD	BMPCDT -20040430AGV
45	WIDP	GUAYAMA PR	33.0	PLN	DTVPLN -DTVP1632
45	WIDP	GUAYAMA PR	33.0	LIC	BLCDDT -20071113ACX
46	WCCV-TV	ARECIBO PR	63.1	CP	BPCDDT -20080317AEO
46	WCCV-TV	ARECIBO PR	63.1	PLN	DTVPLN -DTVP1657
38	WWXY-LP	SAN JUAN PR	6.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WBIV-LP	CHARLOTTE AMALIE VI	BLTTL -19990709JF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WDWL	BAYAMON PR	120.5	PLN	DTVPLN -DTVP1115
30	WDWL	BAYAMON PR	120.4	CP MOD	BMPCDT -20081103ACW
31	WSJU-TV	SAN JUAN PR	118.7	PLN	DTVPLN -DTVP1156
31	WSJU-TV	SAN JUAN PR	118.7	CP MOD	BMPCDT -20060628ACE
31	WSJU-TV	SAN JUAN PR	118.7	APP	BLCDDT -20090217AEH
38	NEW	CAGUAS PR	118.7	APP	BNPTTL -20000804ACN
38	NEW	SAN JUAN PR	126.1	APP	BNPTTL -20000830AXC
38	WWXY-LP	SAN JUAN PR	120.4	LIC	BLTTL -20080716AAS
45	WIDP	GUAYAMA PR	93.3	PLN	DTVPLN -DTVP1632
45	WIDP	GUAYAMA PR	93.4	LIC	BLCDDT -20071113ACX
38	WWXY-LP	SAN JUAN PR	120.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	WJWN-TV	SAN SEBASTIAN PR	BMPCDT -20040120AES

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WWXY-LP	SAN JUAN PR	93.4	APP	USERRECORD-01

Total scenarios = 2

Result key: 4

Scenario 1 Affected station 10 WJWN-TV

Before Analysis

Results for: 39A PR SAN SEBASTIAN BMPCDT 20040120AES CP

HAAT 627.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2037603	35458.9
not affected by terrain losses	1703086	34863.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 39A PR SAN SEBASTIAN BMPCDT 20040120AES CP

HAAT 627.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2037603	35458.9
not affected by terrain losses	1703086	34863.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5406	2.0
lost to ATV IX only	5406	2.0
lost to all IX	5406	2.0

Potential Interfering Stations Included in above Scenario 1

38A PR SAN JUAN USERRECORD01 APP

Percent new IX = 0.3174%

Result key: 5  
Scenario 2 Affected station 10 WJWN-TV  
Before Analysis

Results for: 39A PR SAN SEBASTIAN BMPCDT 20040120AES CP  
HAAT 627.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2037603	35458.9
not affected by terrain losses	1703086	34863.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 2

After Analysis

Results for: 39A PR SAN SEBASTIAN BMPCDT 20040120AES CP  
HAAT 627.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2037603	35458.9
not affected by terrain losses	1703086	34863.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5406	2.0
lost to ATV IX only	5406	2.0
lost to all IX	5406	2.0

Potential Interfering Stations Included in above Scenario 2

38A PR SAN JUAN USERRECORD01 APP

Percent new IX = 0.3174%

Worst case new IX 0.3174% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	NEW	CHRISTIANSTEAD VI	BNPTTL -20000821AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WTCV	SAN JUAN PR	121.9	PLN	DTVPLN -DTVP1194
32	WTCV	SAN JUAN PR	121.9	CP	BPCDT -20070125AAX
38	WWXY-LP	SAN JUAN PR	150.3	LIC	BLTTL -20080716AAS
39	WJWN-TV	SAN SEBASTIAN PR	235.1	PLN	DTVPLN -DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	235.1	CP MOD	BMPCDT -20040120AES
43	WIPR-TV	SAN JUAN PR	138.2	CP MOD	BMPEDT -20080619AEX
43	WIPR-TV	SAN JUAN PR	138.2	PLN	DTVPLN -DTVP1554
43	WZVI	CHARLOTTE AMALIE VI	66.9	LIC	BLCDDT -20040517AFB
43	WZVI	CHARLOTTE AMALIE VI	66.9	PLN	DTVPLN -DTVP1560
38	WWXY-LP	SAN JUAN PR	150.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WIVE-LP	CEIBA PR	BLTTL -20030128ABW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WELU	AGUADILLA PR	140.2	CP MOD	BMPEDT -20040316AFD
34	WELU	AGUADILLA PR	140.2	PLN	DTVPLN -DTVP1270
35	WIPM-TV	MAYAGUEZ PR	139.5	CP	BPEDT -20080619AEV
35	WIPM-TV	MAYAGUEZ PR	139.5	PLN	DTVPLN -DTVP1306
38	WWXY-LP	SAN JUAN PR	46.5	LIC	BLTTL -20080716AAS
39	WJWN-TV	SAN SEBASTIAN PR	139.5	PLN	DTVPLN -DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	139.5	CP MOD	BMPCDT -20040120AES
41	WIRS	YAUCO PR	96.6	PLN	DTVPLN -DTVP1483
41	WIRS	YAUCO PR	96.6	CP MOD	BMPCDT -20040430AGV
42	WEON-LP	FREDERIKSTED VI	105.5	CP	BDISDTL -20070103ADR
43	WSUR-DT	PONCE PR	96.6	LIC	BLCDDT -20030819ABT
43	WIPR-TV	SAN JUAN PR	44.5	CP MOD	BMPEDT -20080619AEX
43	WIPR-TV	SAN JUAN PR	44.5	PLN	DTVPLN -DTVP1554
43	WZVI	CHARLOTTE AMALIE VI	78.4	LIC	BLCDDT -20040517AFB
43	WZVI	CHARLOTTE AMALIE VI	78.4	PLN	DTVPLN -DTVP1560
44	WTJX-TV	CHARLOTTE AMALIE VI	76.6	CP	BMPEDT -20080620AFB
44	WTJX-TV	CHARLOTTE AMALIE VI	76.6	PLN	DTVPLN -DTVP1597
44	WTJX-TV	CHARLOTTE AMALIE VI	76.6	LIC	BLEDT -20040823ABI
45	WIDP	GUAYAMA PR	19.3	PLN	DTVPLN -DTVP1632
45	WIDP	GUAYAMA PR	19.4	LIC	BLCDDT -20071113ACX
46	WCCV-TV	ARECIBO PR	115.3	CP	BPCDT -20080317AEO
46	WCCV-TV	ARECIBO PR	115.3	PLN	DTVPLN -DTVP1657

49	WVSN	HUMACAO PR	19.4	CP MOD	BMPCDT	-20060719ACQ
49	WVSN	HUMACAO PR	19.4	PLN	DTVPLN	-DTVP1752
38	WWXY-LP	SAN JUAN PR	46.5	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 13

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	W36DP	YCAMUY PR	BNPTTL -20000830AJD

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WWXY-LP	SAN JUAN PR	83.2	LIC	BLTTL -20080716AAS
41	WIRS	YAUCO PR	45.4	PLN	DTVPLN -DTVP1483
41	WIRS	YAUCO PR	45.4	CP MOD	BMPCDT -20040430AGV
43	WSUR-DT	PONCE PR	45.4	LIC	BLCDDT -20030819ABT
43	WIPR-TV	SAN JUAN PR	95.3	CP MOD	BMPEDT -20080619AEX
43	WIPR-TV	SAN JUAN PR	95.3	PLN	DTVPLN -DTVP1554
44	W44CS-D	GUAYAMA PR	93.0	CP	BDCCDTL -20061030ADB
45	WIDP	GUAYAMA PR	109.7	PLN	DTVPLN -DTVP1632
45	WIDP	GUAYAMA PR	109.7	LIC	BLCDDT -20071113ACX
45	WTPM-LP	MAYAGUEZ-ANASCO PR	36.9	CP	BDISDTL -20060321ABJ
46	WCCV-TV	ARECIBO PR	28.2	CP	BPCDDT -20080317AEO
46	WCCV-TV	ARECIBO PR	28.2	PLN	DTVPLN -DTVP1657
46	W34CI	MAYAGUEZ PR	37.5	CP	BDISTT -20070828AAO
47	WVOZ-TV	PONCE PR	44.7	PLN	DTVPLN -DTVP1688
47	WVOZ-TV	PONCE PR	44.7	CP MOD	BMPCDT -20060707ADD
48	WUJA	CAGUAS PR	83.2	CP	BPEDT -20080317AET
48	WUJA	CAGUAS PR	83.2	PLN	DTVPLN -DTVP1719
49	WVSN	HUMACAO PR	109.7	CP MOD	BMPCDT -20060719ACQ
49	WVSN	HUMACAO PR	109.7	PLN	DTVPLN -DTVP1752
38	WWXY-LP	SAN JUAN PR	83.2	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 14

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	W34CI	MAYAGUEZ PR	BDISTT -20070828AAO

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WWXY-LP	SAN JUAN PR	114.2	LIC	BLTTL -20080716AAS
39	WJWN-TV	SAN SEBASTIAN PR	28.6	PLN	DTVPLN -DTVP1412

39	WJWN-TV	SAN SEBASTIAN PR	28.6	CP MOD	BMPCDT	-20040120AES
43	WSUR-DT	PONCE PR	66.9	LIC	BLCDT	-20030819ABT
43	WIPR-TV	SAN JUAN PR	122.5	CP MOD	BMPEDT	-20080619AEX
43	WIPR-TV	SAN JUAN PR	122.5	PLN	DTVPLN	-DTVP1554
45	WTPM-LP	MAYAGUEZ-ANASCO PR	0.7	CP	BDISDTL	-20060321ABJ
45	W36DP	YCAMUY PR	37.5	CP	BNPTTL	-20000830AJD
46	WCCV-TV	ARECIBO PR	46.4	CP	BPCDT	-20080317AEO
46	WCCV-TV	ARECIBO PR	46.4	PLN	DTVPLN	-DTVP1657
47	WVOZ-TV	PONCE PR	53.6	PLN	DTVPLN	-DTVP1688
47	WVOZ-TV	PONCE PR	53.6	CP MOD	BMPCDT	-20060707ADD
48	WUJA	CAGUAS PR	114.3	CP	BPEDT	-20080317AET
48	WUJA	CAGUAS PR	114.2	PLN	DTVPLN	-DTVP1719
49	WVSN	HUMACAO PR	141.3	CP MOD	BMPCDT	-20060719ACQ
49	WVSN	HUMACAO PR	141.3	PLN	DTVPLN	-DTVP1752
50	WQHA	AGUADA PR	1.3	CP	BPCDT	-20080317AEQ
50	WQHA	AGUADA PR	1.3	PLN	DTVPLN	-DTVP1781
38	WWXY-LP	SAN JUAN PR	114.2	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 15

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WWXY-LP	SAN JUAN PR	USERRECORD-01

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	NEW	CAGUAS PR	1.8	APP	BNPTTL -20000804ACN
38	NEW	SAN JUAN PR	6.0	APP	BNPTTL -20000830AXC
38	WBIV-LP	CHARLOTTE AMALIE VI	120.4	LIC	BLTTL -19990709JF
39	WJWN-TV	SAN SEBASTIAN PR	93.4	PLN	DTVPLN -DTVP1412
39	WJWN-TV	SAN SEBASTIAN PR	93.4	CP MOD	BMPCDT -20040120AES

Total scenarios = 3

Result key: 6

Scenario 1 Affected station 15 WWXY-LP  
Before Analysis

Results for: 38A PR SAN JUAN USERRECORD01 APP

HAAT 316.0 m, ATV ERP 2.9 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2005584	4263.6
not affected by terrain losses	1943333	4095.4
lost to NTSC IX	12369	29.5
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	12369	29.5

Potential Interfering Stations Included in above Scenario 1

38N VI CHARLOTTE AMALIE BLTTL 19990709JF LIC

Result key: 7  
Scenario 2 Affected station 15 WWXY-LP  
Before Analysis

Results for: 38A PR SAN JUAN USERRECORD01 APP  
HAAT 316.0 m, ATV ERP 2.9 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 2005584 4263.6  
not affected by terrain losses 1943333 4095.4  
lost to NTSC IX 1472278 3192.1  
lost to additional IX by ATV 0 0.0  
lost to ATV IX only 0 0.0  
lost to all IX 1472278 3192.1

Potential Interfering Stations Included in above Scenario 2

38N PR CAGUAS BNPTTL 20000804ACN APP  
38N VI CHARLOTTE AMALIE BLTTL 19990709JF LIC

Result key: 8  
Scenario 3 Affected station 15 WWXY-LP  
Before Analysis

Results for: 38A PR SAN JUAN USERRECORD01 APP  
HAAT 316.0 m, ATV ERP 2.9 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 2005584 4263.6  
not affected by terrain losses 1943333 4095.4  
lost to NTSC IX 12369 29.5  
lost to additional IX by ATV 0 0.0  
lost to ATV IX only 0 0.0  
lost to all IX 12369 29.5

Potential Interfering Stations Included in above Scenario 3

38N VI CHARLOTTE AMALIE BLTTL 19990709JF LIC

Proposal fails scenario 2 received IX increased to 75.6%

Proposed station is MX  
38A PR SAN JUAN USERRECORD01 APP

Proposal MX with group in scenario 2 of station 15

#####  
FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

TECHNICAL EXHIBIT  
DIGITAL FLASH CUT APPLICATION  
STATION WWXY-LP  
FACILITY ID 64856  
SAN JUAN, PR  
CH 38 2.91 KW 536 M AMSL

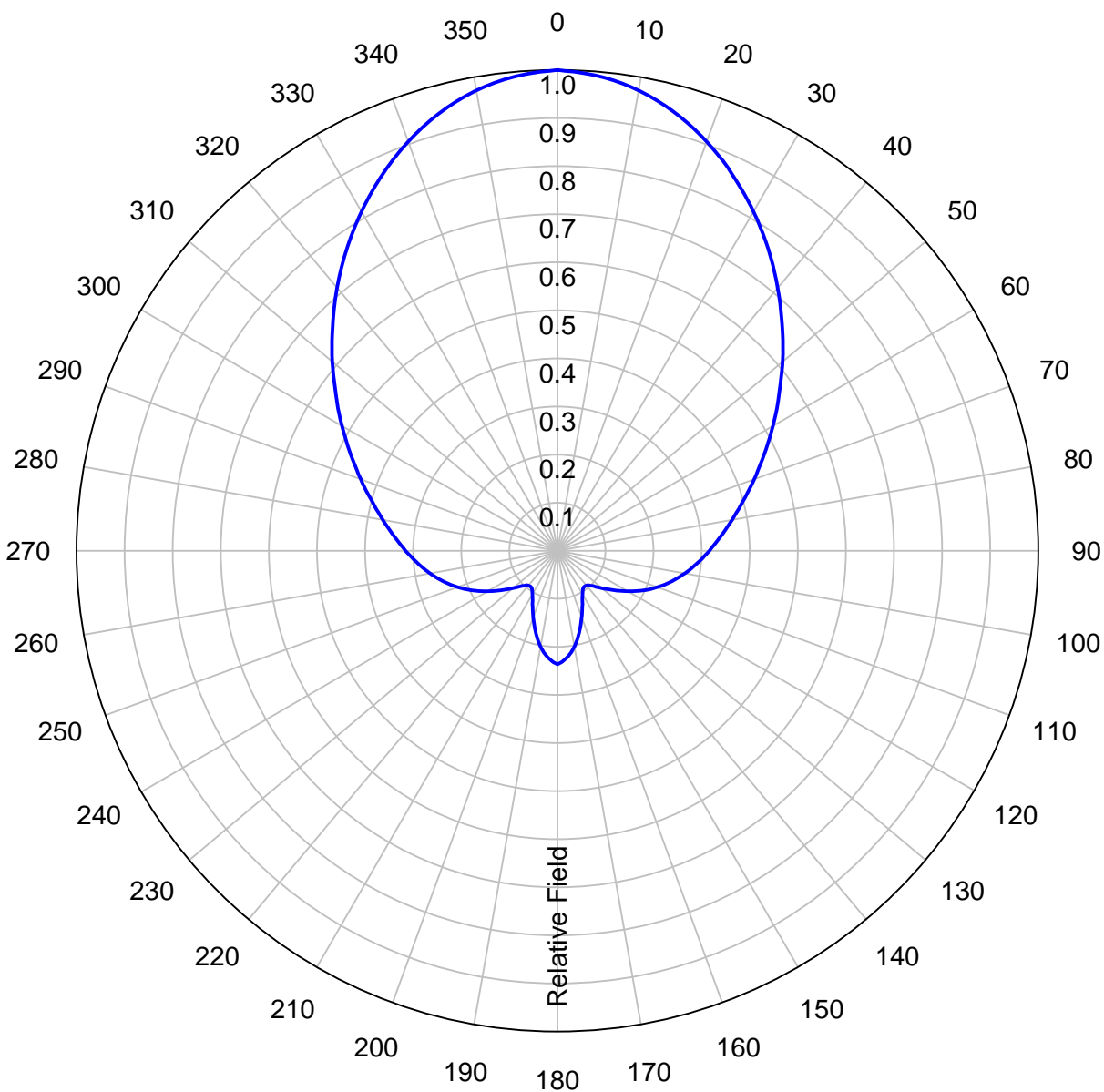
Manufacturer's Horizontal and Vertical Plane Pattern Data

*{four sheets follow}*



**AZIMUTH PATTERN****Type:****ALP-N****Channel:****38****Directivity:****Numeric****dBd****3.77****5.76****Peak(s) at:****Location:****Polarization:****Horizontal**

Note: Pattern shape and directivity may vary with channel and mounting configuration.



*Preliminary, subject to final design and review.*

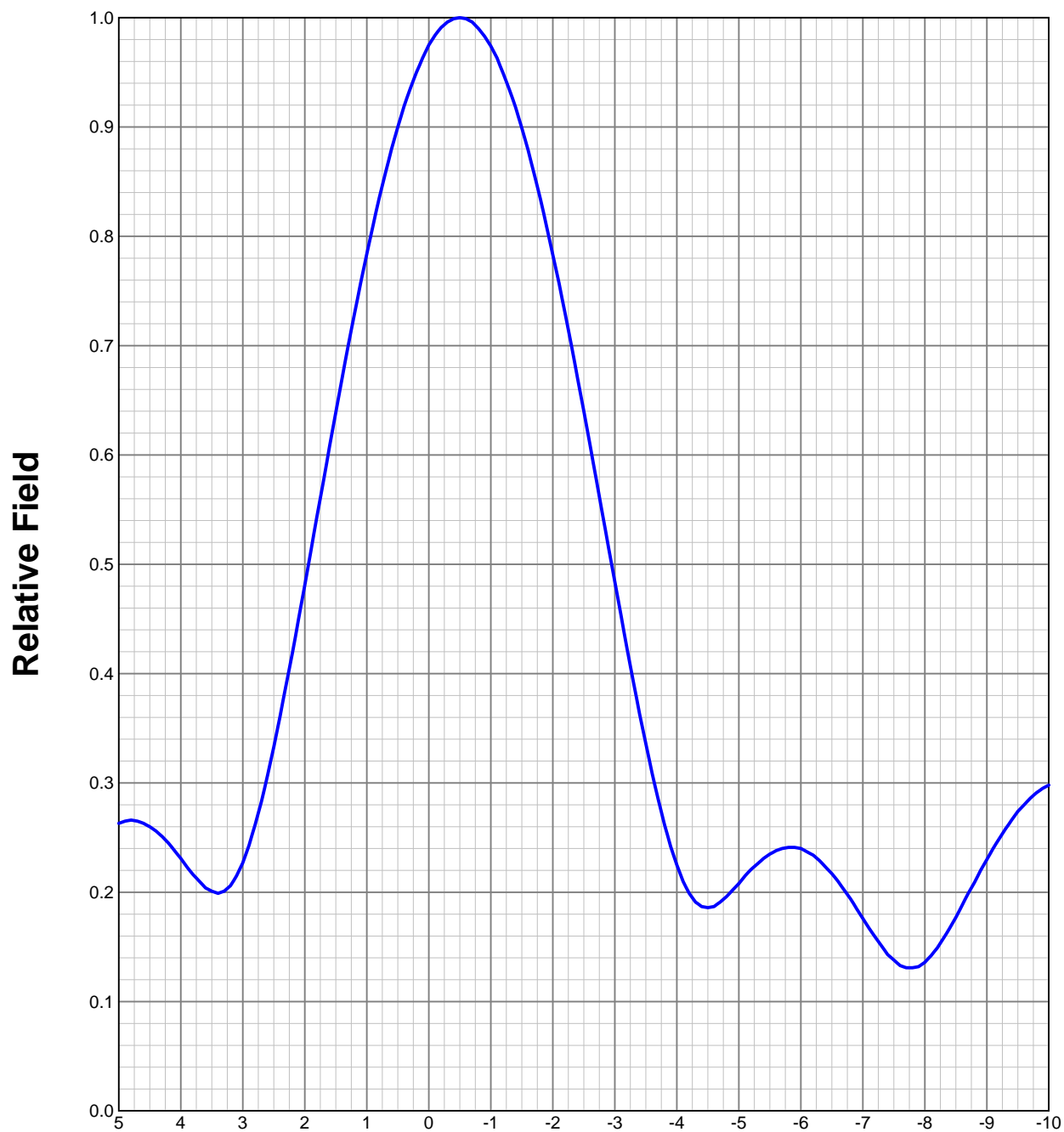
## TABULATED DATA FOR AZIMUTH PATTERN FCC FILING FORMAT

Type: ALP-N

PolarizationHorizontal

ANGLE	FIELD	ERP (kW)	ERP (dBk)
0	1.000	2.918	4.650
10	0.972	2.757	4.404
20	0.906	2.395	3.793
30	0.815	1.938	2.873
40	0.713	1.483	1.712
50	0.611	1.089	0.371
60	0.517	0.780	-1.080
70	0.435	0.552	-2.580
80	0.368	0.395	-4.033
90	0.316	0.291	-5.356
100	0.269	0.211	-6.755
110	0.221	0.142	-8.462
120	0.168	0.082	-10.844
130	0.120	0.042	-13.766
140	0.094	0.026	-15.887
150	0.104	0.032	-15.009
160	0.147	0.063	-12.003
170	0.202	0.119	-9.243
180	0.236	0.162	-7.891
190	0.202	0.119	-9.243
200	0.147	0.063	-12.003
210	0.104	0.032	-15.009
220	0.094	0.026	-15.887
230	0.120	0.042	-13.766
240	0.168	0.082	-10.844
250	0.221	0.142	-8.462
260	0.269	0.211	-6.755
270	0.316	0.291	-5.356
280	0.368	0.395	-4.033
290	0.435	0.552	-2.580
300	0.517	0.780	-1.080
310	0.611	1.089	0.371
320	0.713	1.483	1.712
330	0.815	1.938	2.873
340	0.906	2.395	3.793
350	0.972	2.757	4.404

*Preliminary, subject to final design and review.*

**ELEVATION PATTERN****Type:****ALP12L2****Channel:****38****Directivity:****Numeric****dBd****Location:****Main Lobe:****12.64****11.02****Beam Tilt:****-0.50****Horizontal:****12.02****10.80****Polarization:****Horizontal**

*Preliminary, subject to final design and review.*

## TABULATED DATA FOR ELEVATION PATTERN

Type: ALP12L2

PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.263	-11.60	-6.75	0.198	-14.07	-27.00	0.030	-30.46	-50.50
4.75	0.266	-11.52	-7.00	0.176	-15.09	-27.50	0.021	-33.56	-51.00
4.50	0.260	-11.70	-7.25	0.155	-16.19	-28.00	0.019	-34.42	-51.50
4.25	0.248	-12.11	-7.50	0.138	-17.20	-28.50	0.017	-35.39	-52.00
4.00	0.231	-12.73	-7.75	0.131	-17.65	-29.00	0.012	-38.42	-52.50
3.75	0.213	-13.43	-8.00	0.136	-17.33	-29.50	0.006	-44.44	-53.00
3.50	0.201	-13.94	-8.25	0.153	-16.28	-30.00	0.000	-40.00	-53.50
3.25	0.204	-13.83	-8.50	0.177	-15.04	-30.50	0.005	-46.02	-54.00
3.00	0.227	-12.88	-8.75	0.204	-13.81	-31.00	0.008	-41.94	-54.50
2.75	0.272	-11.29	-9.00	0.230	-12.77	-31.50	0.013	-37.72	-55.00
2.50	0.333	-9.55	-9.25	0.254	-11.92	-32.00	0.022	-33.15	-55.50
2.25	0.404	-7.86	-9.50	0.274	-11.24	-32.50	0.037	-28.64	-56.00
2.00	0.481	-6.36	-9.75	0.288	-10.80	-33.00	0.057	-24.88	-56.50
1.75	0.560	-5.03	-10.00	0.298	-10.52	-33.50	0.080	-21.94	-57.00
1.50	0.639	-3.89	-10.50	0.300	-10.46	-34.00	0.104	-19.66	-57.50
1.25	0.714	-2.92	-11.00	0.282	-11.00	-34.50	0.128	-17.86	-58.00
1.00	0.784	-2.11	-11.50	0.246	-12.18	-35.00	0.148	-16.59	-58.50
0.75	0.847	-1.45	-12.00	0.199	-14.02	-35.50	0.164	-15.70	-59.00
0.50	0.900	-0.92	-12.50	0.147	-16.65	-36.00	0.173	-15.24	-59.50
0.25	0.943	-0.51	-13.00	0.096	-20.35	-36.50	0.176	-15.09	-60.00
0.00	0.975	-0.22	-13.50	0.053	-25.51	-37.00	0.171	-15.34	-60.50
-0.25	0.994	-0.06	-14.00	0.020	-33.98	-37.50	0.160	-15.92	-61.00
-0.50	1.000	0.00	-14.50	0.001	-60.00	-38.00	0.144	-16.83	-61.50
-0.75	0.993	-0.06	-15.00	0.011	-39.17	-38.50	0.123	-18.20	-62.00
-1.00	0.974	-0.23	-15.50	0.015	-36.48	-39.00	0.100	-20.00	-62.50
-1.25	0.942	-0.52	-16.00	0.023	-32.77	-39.50	0.076	-22.38	-63.00
-1.50	0.899	-0.92	-16.50	0.035	-29.12	-40.00	0.056	-25.04	-63.50
-1.75	0.845	-1.46	-17.00	0.047	-26.56	-40.50	0.043	-27.33	-64.00
-2.00	0.783	-2.12	-17.50	0.055	-25.19	-41.00	0.039	-28.18	-64.50
-2.25	0.714	-2.92	-18.00	0.056	-25.04	-41.50	0.042	-27.54	-65.00
-2.50	0.640	-3.88	-18.50	0.051	-25.85	-42.00	0.047	-26.56	-65.50
-2.75	0.562	-5.01	-19.00	0.048	-26.38	-42.50	0.049	-26.20	-66.00
-3.00	0.484	-6.30	-19.50	0.059	-24.58	-43.00	0.047	-26.56	-66.50
-3.25	0.407	-7.81	-20.00	0.087	-21.21	-43.50	0.043	-27.33	-67.00
-3.50	0.336	-9.47	-20.50	0.123	-18.20	-44.00	0.036	-28.87	-67.50
-3.75	0.273	-11.26	-21.00	0.159	-15.97	-44.50	0.029	-30.75	-68.00
-4.00	0.225	-12.96	-21.50	0.192	-14.33	-45.00	0.023	-32.77	-68.50
-4.25	0.195	-14.20	-22.00	0.216	-13.31	-45.50	0.020	-33.98	-69.00
-4.50	0.186	-14.61	-22.50	0.229	-12.80	-46.00	0.020	-33.98	-69.50
-4.75	0.194	-14.27	-23.00	0.231	-12.73	-46.50	0.021	-33.56	-70.00
-5.00	0.208	-13.64	-23.50	0.221	-13.11	-47.00	0.021	-33.56	-70.50
-5.25	0.224	-13.01	-24.00	0.201	-13.94	-47.50	0.018	-34.89	-71.00
-5.50	0.235	-12.58	-24.50	0.173	-15.24	-48.00	0.011	-39.17	-71.50
-5.75	0.240	-12.38	-25.00	0.141	-17.02	-48.50	0.002	-53.98	-72.00
-6.00	0.240	-12.40	-25.50	0.107	-19.41	-49.00	0.010	-40.00	-72.50
-6.25	0.232	-12.71	-26.00	0.076	-22.38	-49.50	0.024	-32.40	-73.00
-6.50	0.217	-13.27	-26.50	0.049	-26.20	-50.00	0.040	-27.96	-73.50

*Preliminary, subject to final design and review.*