

WIPM-DT, Mayaguez, PR, OET-69 Post-Transition Interference Analysis

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-18-2008 Time: 10:38:28

Record Selected for Analysis

WIPM USERRECORD-01 MAYAGUEZ PR US
Channel 35 ERP 784. kW HAAT 674. m RCAMSL 00981 m
Latitude 018-09-00 Longitude 0066-59-00
Status APP Zone 2 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits
Channel 35 ERP = 784.00 HAAT = 674.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	784.000	662.2	121.5
45.0	784.000	545.0	115.2
90.0	784.000	208.2	82.5
135.0	784.000	707.1	123.7
180.0	766.803	873.9	129.9
225.0	767.252	870.0	129.8
270.0	771.672	831.2	128.5
315.0	784.000	693.8	123.1

Evaluation toward Class A Stations

Contour overlap to Class A station
WQQZ-CA 33 PONCE PR BLTTL 19981208JA

Class A Evaluation 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
35	WIPM	MAYAGUEZ PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WIMN-CA	ARECIBO PR	49.7	LIC	BLTTL	-20010102AAX
33	WQQZ-CA	PONCE PR	26.2	LIC	BLTTL	-19981208JA
34	WELU	AGUADILLA PR	0.7	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	0.7	PLN	DTVPLN	-DTVP1270

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	WIMN-CA	ARECIBO PR	BLTTL	-20010102AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	90.3	CP MOD	BMPEDT	-20070629AEN
16	WMTJ	FAJARDO PR	90.3	PLN	DTVPLN	-DTVP0580
17	WVEO	AGUADILLA PR	59.0	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	59.0	PLN	DTVPLN	-DTVP0617
18	WECN	NARANJITO PR	43.0	CP	BPCDT	-20080221ABF
18	WECN	NARANJITO PR	43.0	PLN	DTVPLN	-DTVP0649
19	WKPV	PONCE PR	43.1	CP MOD	BMPCDT	-20040318ABY
19	WKPV	PONCE PR	43.1	PLN	DTVPLN	-DTVP0698
20	WKPV	PONCE PR	43.1	LIC	BLCT	-20010130ABD
20	WSVI	CHRISTIANSTED VI	209.2	CP	BPCDT	-20080229AAF
20	WSVI	CHRISTIANSTED VI	209.2	PLN	DTVPLN	-DTVP0746
21	WJPX	SAN JUAN PR	84.9	LIC	BLCDDT	-20060621ACJ
21	WJPX	SAN JUAN PR	84.9	PLN	DTVPLN	-DTVP0779
22	WOST	MAYAGUEZ PR	60.3	PLN	DTVPLN	-DTVP0823
22	WOST	MAYAGUEZ PR	60.3	CP	BPCDT	-20080303AKY
23	WNJX-TV	MAYAGUEZ PR	49.7	CP MOD	BMPCDT	-20040115ACG
23	WNJX-TV	MAYAGUEZ PR	49.7	PLN	DTVPLN	-DTVP0860

27	WAPA-TV	SAN JUAN PR	72.6	LIC	BLCDT	-20060621ACQ
27	WAPA-TV	SAN JUAN PR	72.6	PLN	DTVPLN	-DTVP1016
28	WKAQ-TV	SAN JUAN PR	72.3	LIC	BLCDT	-20020201AAG
28	WKAQ-TV	SAN JUAN PR	72.3	PLN	DTVPLN	-DTVP1054
34	WELU	AGUADILLA PR	50.1	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	50.1	PLN	DTVPLN	-DTVP1270
34	WRUA	FAJARDO PR	90.3	LIC	BLCT	-19970216KE
35	WIPM-TV	MAYAGUEZ PR	49.7	CP MOD	BMPEDT	-20030204ADS
35	WIPM-TV	MAYAGUEZ PR	49.7	PLN	DTVPLN	-DTVP1306
35	WIPM	MAYAGUEZ PR	49.7	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WQQZ-CA	PONCE PR	BLTTTL	-19981208JA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	WQTO	PONCE PR	0.3	LIC	BLEDT	-20060615ACV
25	WQTO	PONCE PR	0.3	PLN	DTVPLN	-DTVP0936
26	WQTO	PONCE PR	0.3	LIC	BLET	-20030818AEG
29	WORA-TV	MAYAGUEZ PR	26.8	CP MOD	BMPCDT	-20061221AAL
29	WORA-TV	MAYAGUEZ PR	26.8	PLN	DTVPLN	-DTVP1092
30	WDWL	BAYAMON PR	70.8	CP	BPCDT	-20080317AEF
30	WDWL	BAYAMON PR	70.6	PLN	DTVPLN	-DTVP1120
31	WSJU-TV	SAN JUAN PR	72.3	CP MOD	BMPCDT	-20060628ACE
31	WSJU-TV	SAN JUAN PR	72.3	PLN	DTVPLN	-DTVP1158
32	WELU	AGUADILLA PR	53.1	CP	BPET	-20020502AAO
32	WTCV	SAN JUAN PR	103.7	CP	BPCDT	-20070125AAX
32	WTCV	SAN JUAN PR	72.3	PLN	DTVPLN	-DTVP1194
32	WTCV	SAN JUAN PR	72.3	LIC	BLCDT	-20040722ADD
32	W32AJ	UTUADO PR	22.7	LIC	BLTT	-19890703IC
33	WRUA	FAJARDO PR	103.7	CP	BPCDT	-20080221ABS
33	WRUA	FAJARDO PR	103.7	PLN	DTVPLN	-DTVP1228
34	WELU	AGUADILLA PR	26.9	CP MOD	BMPEDT	-20040316AFD
34	WELU	AGUADILLA PR	26.9	PLN	DTVPLN	-DTVP1270
34	WRUA	FAJARDO PR	103.7	LIC	BLCT	-19970216KE
34	W51EH	PONCE PR	17.9	CP	BNPTTL	-20000807ADG
35	WIPM-TV	MAYAGUEZ PR	26.2	CP MOD	BMPEDT	-20030204ADS
35	WIPM-TV	MAYAGUEZ PR	26.2	PLN	DTVPLN	-DTVP1306
41	WIRS	YAUCO PR	20.5	CP MOD	BMPCDT	-20040430AGV
41	WIRS	YAUCO PR	20.5	PLN	DTVPLN	-DTVP1483
47	WVOZ-TV	PONCE PR	0.1	CP MOD	BMPCDT	-20060707ADD
47	WVOZ-TV	PONCE PR	0.1	PLN	DTVPLN	-DTVP1688
48	WUJA	CAGUAS PR	70.8	CP	BPEDT	-20080317AET
48	WUJA	CAGUAS PR	70.6	PLN	DTVPLN	-DTVP1718
48	WVOZ-TV	PONCE PR	0.1	LIC	BLCT	-19860808KK
48	WQSJ-LP	QUEBRADILLAS, ETC. PR	48.4	LIC	BLTTTL	-20021106AAN
35	WIPM	MAYAGUEZ PR	26.2	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WELU	AGUADILLA PR	BMPEDT	-20040316AFD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WRUA	FAJARDO PR	127.4	CP	BPCDT	-20080221ABS
33	WRUA	FAJARDO PR	127.4	PLN	DTVPLN	-DTVP1228
35	WIPM-TV	MAYAGUEZ PR	0.7	PLN	DTVPLN	-DTVP1306
35	WIPM	MAYAGUEZ PR	0.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 34A PR AGUADILLA BMPEDT 20040316AFD CP

HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101056	336.4
lost to ATV IX only	101056	336.4
lost to all IX	101056	336.4

Potential Interfering Stations Included in above Scenario 1

33A PR FAJARDO	BPCDT	20080221ABS	CP
35A PR MAYAGUEZ	DTVPLN	DTVP1306	PLN

After Analysis

Results for: 34A PR AGUADILLA BMPEDT 20040316AFD CP

HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101953	356.4
lost to ATV IX only	101953	356.4
lost to all IX	101953	356.4

Potential Interfering Stations Included in above Scenario 1

33A PR FAJARDO	BPCDT	20080221ABS	CP
35A PR MAYAGUEZ	USERRECORD01		APP

Percent new IX = 0.0633%

Result key: 2
Scenario 2 Affected station 3
Before Analysis

Results for: 34A PR AGUADILLA BMPEDT 20040316AFD CP
HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	104789	348.4
lost to ATV IX only	104789	348.4
lost to all IX	104789	348.4

Potential Interfering Stations Included in above Scenario 2

33A PR FAJARDO	DTVPLN	DTVP1228	PLN
35A PR MAYAGUEZ	DTVPLN	DTVP1306	PLN

After Analysis

Results for: 34A PR AGUADILLA BMPEDT 20040316AFD CP
HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	105686	368.4
lost to ATV IX only	105686	368.4
lost to all IX	105686	368.4

Potential Interfering Stations Included in above Scenario 2

33A PR FAJARDO	DTVPLN	DTVP1228	PLN
35A PR MAYAGUEZ	USERRECORD01		APP

Percent new IX = 0.0634%

Worst case new IX 0.0634% Scenario 2

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WELU	AGUADILLA PR	DTVPLN -DTVP1270

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WRUA	FAJARDO PR	127.4	CP	BPCDT -20080221ABS

33	WRUA	FAJARDO PR	127.4	PLN	DTVPLN	-DTVP1228
35	WIPM-TV	MAYAGUEZ PR	0.7	PLN	DTVPLN	-DTVP1306
35	WIPM	MAYAGUEZ PR	0.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3
 Scenario 1 Affected station 4
 Before Analysis

Results for: 34A PR AGUADILLA DTVPLN DTVP1270 PLN
 HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101056	336.4
lost to ATV IX only	101056	336.4
lost to all IX	101056	336.4

Potential Interfering Stations Included in above Scenario 1

33A PR FAJARDO	BPCDT	20080221ABS	CP
35A PR MAYAGUEZ	DTVPLN	DTVP1306	PLN

After Analysis

Results for: 34A PR AGUADILLA DTVPLN DTVP1270 PLN
 HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101953	356.4
lost to ATV IX only	101953	356.4
lost to all IX	101953	356.4

Potential Interfering Stations Included in above Scenario 1

33A PR FAJARDO	BPCDT	20080221ABS	CP
35A PR MAYAGUEZ	USERRECORD01		APP

Percent new IX = 0.0633%

Result key: 4
 Scenario 2 Affected station 4
 Before Analysis

Results for: 34A PR AGUADILLA DTVPLN DTVP1270 PLN
 HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	104789	348.4
lost to ATV IX only	104789	348.4

lost to all IX 104789 348.4

Potential Interfering Stations Included in above Scenario 2

33A PR FAJARDO	DTVPLN	DTVP1228	PLN
35A PR MAYAGUEZ	DTVPLN	DTVP1306	PLN

After Analysis

Results for: 34A PR AGUADILLA DTVPLN DTVP1270 PLN
HAAT 605.0 m, ATV ERP 250.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1728365	36142.8
not affected by terrain losses	1518937	35502.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	105686	368.4
lost to ATV IX only	105686	368.4
lost to all IX	105686	368.4

Potential Interfering Stations Included in above Scenario 2

33A PR FAJARDO	DTVPLN	DTVP1228	PLN
35A PR MAYAGUEZ	USERRECORD01		APP

Percent new IX = 0.0634%

Worst case new IX 0.0634% Scenario 2

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
35	WIPM	MAYAGUEZ PR	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WELU	AGUADILLA PR	0.7	CP MOD	BMPEDT -20040316AFD
34	WELU	AGUADILLA PR	0.7	PLN	DTVPLN -DTVP1270

Total scenarios = 2

Result key: 5
Scenario 1 Affected station 5
Before Analysis

Results for: 35A PR MAYAGUEZ USERRECORD01 APP
HAAT 674.0 m, ATV ERP 784.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2352243	46141.7
not affected by terrain losses	2025599	45477.0
lost to NTSC IX	0	0.0

lost to additional IX by ATV	2281	20.0
lost to ATV IX only	2281	20.0
lost to all IX	2281	20.0

Potential Interfering Stations Included in above Scenario 1

34A PR AGUADILLA BMPEDT 20040316AFD CP

Result key: 6
 Scenario 2 Affected station 5
 Before Analysis

Results for: 35A PR MAYAGUEZ USERRECORD01 APP
 HAAT 674.0 m, ATV ERP 784.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2352243	46141.7
not affected by terrain losses	2025599	45477.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2281	20.0
lost to ATV IX only	2281	20.0
lost to all IX	2281	20.0

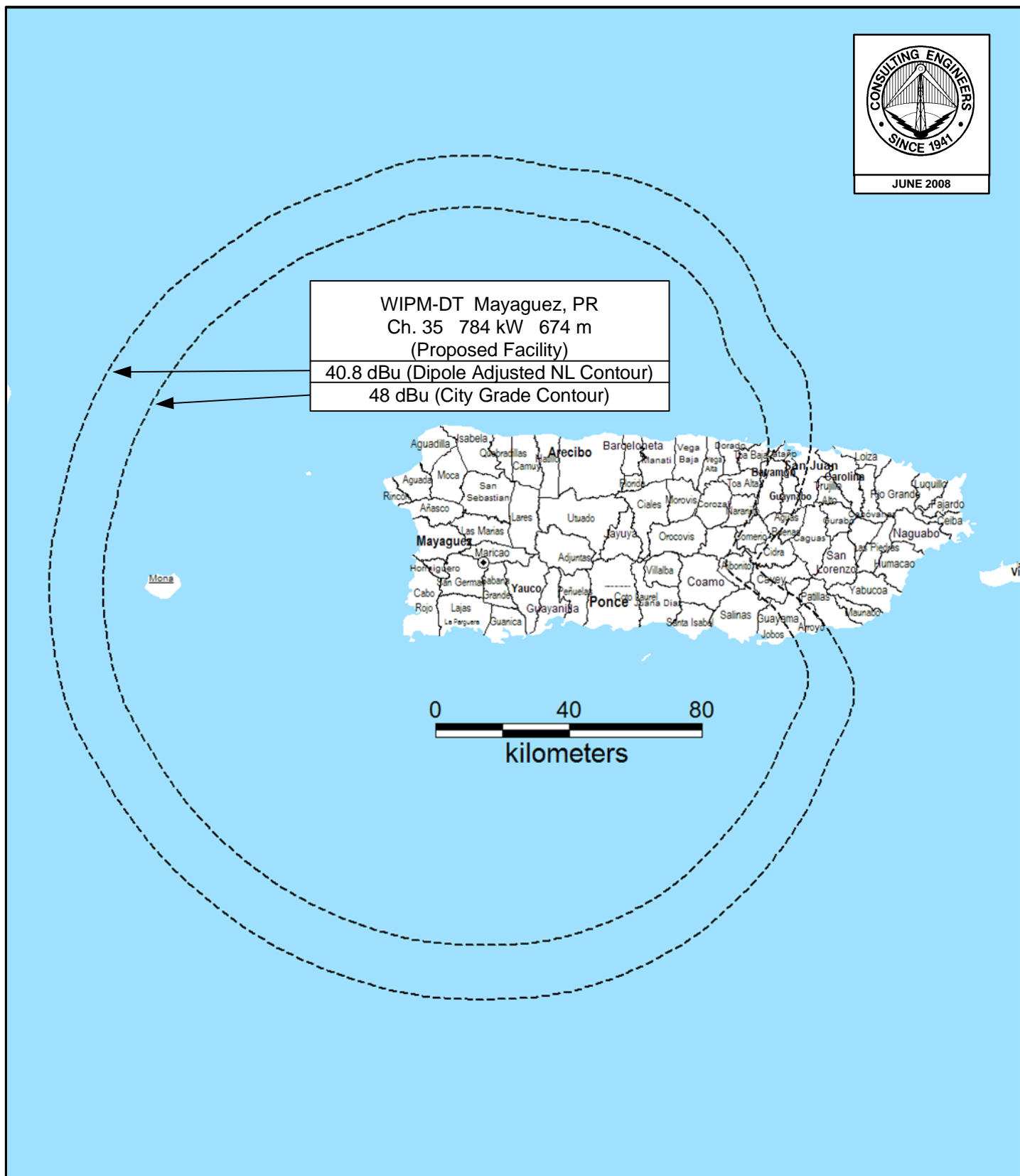
Potential Interfering Stations Included in above Scenario 2

34A PR AGUADILLA DTVPLN DTVPL270 PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

Figure 1

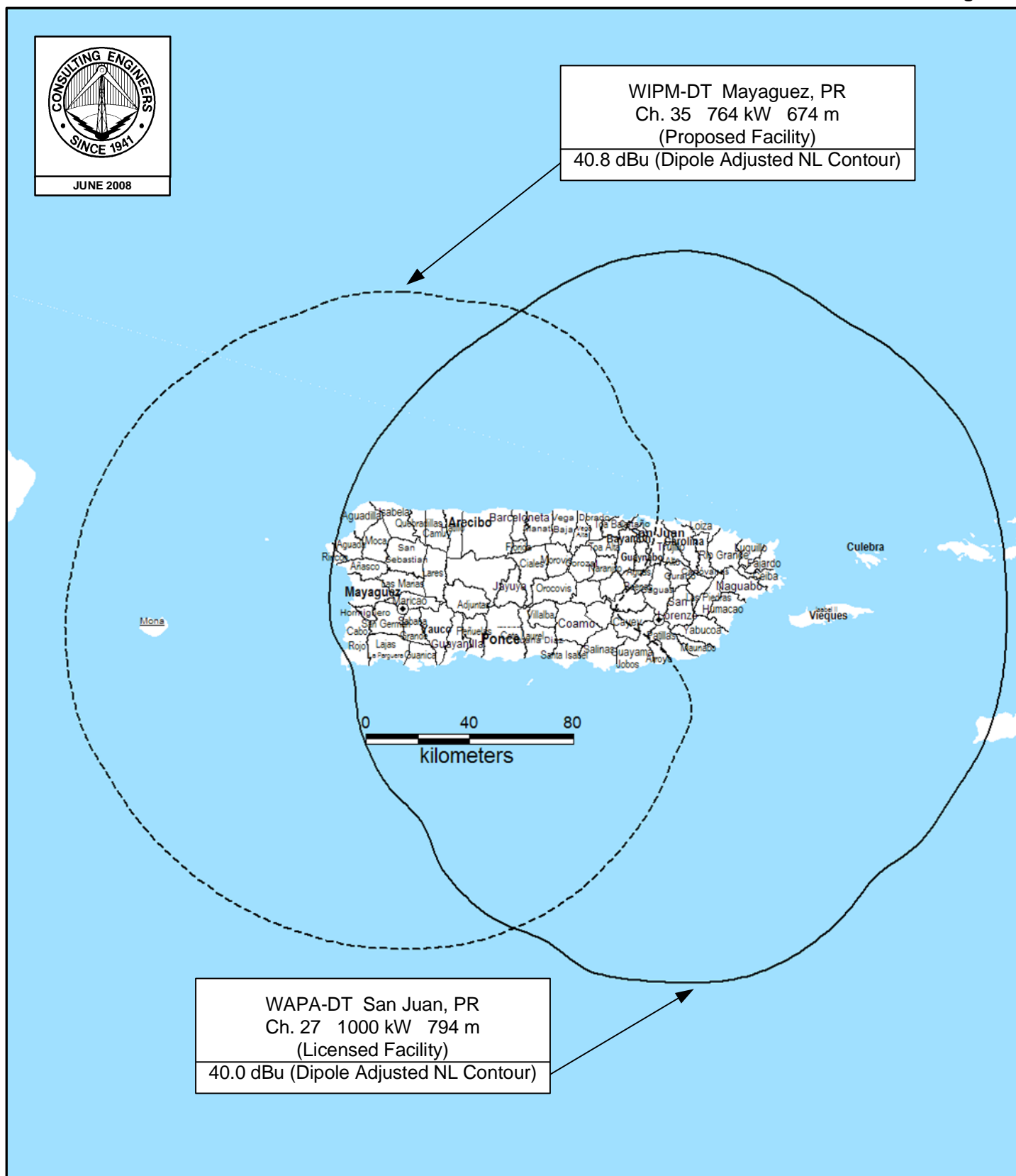


FCC PREDICTED COVERAGE CONTOURS

DTV STATION WIPM-DT
MAYAGUEZ, PUERTO RICO
CH 35 784 KW 674 M

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

Figure 2



SECTION 73.622(f)(5) COMPLIANCE

DTV STATION WIPM-DT
 MAYAGUEZ, PUERTO RICO
 CH 35 784 KW 674 M

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



201 Fletcher Ave.
Sarasota, FL 34237-6019
941-329-6000
941-329-6031 FAX

Grafton Olivera
Direct Dial 941-329-6001
e-mail: grifton@dlr.com

June 17, 2008

Via email (prcz@naic.edu)

Dr. Bob Kerr, Director
Reinaldo Velez, Spectrum Manager
National Astronomy and Ionosphere Center
Arecibo Observatory
HC3 Box 53995
Arecibo, PR 00612

Gentlemen:

On behalf of our client, Television Station WIPM-DT, applicant for post transition digital television station on Channel 35, San Juan, Puerto Rico, in accordance with Section 73.1030 of the FCC Rules, we hereby notify of the proposed facility. The particulars of the proposal are as follows:

Proposed Facility

Geographical coordinates of antenna location (NAD83): 18-08-52.9 / 66-58-58.6
Antenna height: 99 m AGL; 981 m AMSL
Antenna directivity: N/A (non-directional)
Proposed channel: 35 (596-602 MHz)
Type of emission: 6M00D7W
Effective isotropic radiated power: 1286 kW

The proposed facility is for a power increase in digital television WIPM-DT. WIPM-TV will discontinue analog operations on Channel 3 on February 17, 2009.

Should you find any adverse effect from this proposal, please communicate via email (<mailto:grifton@dlr.com>), fax (941-329-6031) or regular mail, so appropriate action can be taken.

Very truly yours,

Grafton Olivera, P.E.