

**EXHIBIT 8**  
Interference Analysis  
W36DB  
FCC File No. BNPTTL-20000807AGP  
Facility ID No. 125461

This Technical Exhibit is attached to FCC Form 346 in support of the Applicant's request for a minor modification to W36DB. The proposed modified operational parameters for W36DB are as follows:

Channel	36
Frequency Offset:	PLUS OFFSET
Antenna radiation center height above ground level:	60.7 meters
Maximum effective radiated power:	3.82 KW
Antenna type and model #:	SWR SWLP8WL-1
Antenna Orientation	239 Degrees
Transmitter Site	18 00 34.1 N 66 36 48.5 W
Tower Registration No.	1202505

A study has been conducted using the provisions of sections 74.703, 74.705, 74.706, 74.707, 74.708 and 74.709. This study indicates that the proposal will not create prohibited interference with other existing NTSC Full-power, DTV, LPTV, or Land Mobile facilities other than the NTSC Full-Power, DTV, and LPTV facilities contained in the tables listed below. However, based upon the provisions of OET 69, the proposed facility's operation complies with the FCC's interference criteria towards the aforementioned stations. Below is a complete analysis and tabulation of the predicted interference that would be caused by this proposal pursuant to the provisions of OET 69. This analysis indicates that no prohibited interference will be caused by the operation of the proposed facility. Accordingly, applicant requests a waiver of Section 74.705, Section 74.706, and Section 74.707 based upon the results of the OET 69 analysis.

This study was conducted using 0.2 km radials and it is requested that the Commission also run the interference analysis at 0.2 km radials.

### Full Service NTSC Facilities

An interference analysis was conducted using 74.705 criteria and OET 69 Bulletin standards with regard to the effect of the proposed Station on the NTSC full power stations listed below. Below is a tabulation of the results from the Bulletin OET 69 study.

Exhibit FLR-NTSC  
W36CZ PONCE, PUERTO RICO

Ch 36 + N LAT 18-0-34.1 W LON 66-36-48.5 ERP: 3.82 kW AGL: 57m GAMSL: 12.2m Terrain Radial .2Km

Callsign	Fac ID	ARN	City	Class	Type	ERP	Status	Bearing	Dist	Prot	Clearance	D/U	Zone	Ch#	Adj	Svc	Contour	Svc dBu	Int Contour	Int dBu
WNJX-TV	73336	BLCT20030307ADG	MAYAGUEZ	NTSC	LIC	4201	Interf	292.1	42.2	-	-38.8	-25	2	22 Z	T-14 F(50,50)			64	F(50,10)	79

Population before the addition of Ch 36 to the database not affected by terrain losses:	838715 persons
Population lost to NTSC before the addition of Ch 36:	0 persons
Population after the loss to NTSC:	838715 persons
Population after the addition of Ch 36 to the database:	837304 persons
Population lost to NTSC with Ch 36:	1411 persons
Percentage of population lost with Ch 36:	0.17 %

Callsign	Fac ID	ARN	City	Class	Type	ERP	Status	Bearing	Dist	Prot	Clearance	D/U	Zone	Ch#	Adj	Svc	Contour	Svc dBu	Int Contour	Int dBu
WNJX-TV	73336	BPCT20030306ABR	MAYAGUEZ	NTSC	CP MC	4201	Interf	292.1	42.2	-	-38.8	-25	2	22 Z	T-14	F(50,50)		64	F(50,10)	79

Population before the addition of Ch 36 to the database not affected by terrain losses:	838715	persons
Population lost to NTSC before the addition of Ch 36:	0	persons
Population after the loss to NTSC:	838715	persons
Population after the addition of Ch 36 to the database:	837304	persons
Population lost to NTSC with Ch 36:	1411	persons
Percentage of population lost with Ch 36:	0.17	%

## DTV Facilities

An interference analysis was conducted using OET 69 Bulletin standards, as permitted by 73.706, with regard to the effect of the proposed station on the following DTV facilities:

Exhibit FLR-DTV  
W36CZ PONCE, PUERTO RICO

Ch 36 + N LAT 18-0-34.1 W LON 66-36-48.5 ERP: 3.82 kW AGL: 57m GMSL: 60.7m Terrain Radial .2Km

Callsign	Fac ID	ARN	City	Class	Type	ERP	Status	Bearing	Dist	Prot	Clearance	D/U	Zone	Ch#	Adj	Svc Contour	Svc dBu	Int Contour	Int dBu
WIPM-TV*	53863	DTV ALLOTMENT	MAYAGUEZ	DTV	LIC	1000	Clean	292.1	42.2	-	-81	-49	2	35	A-1	F(50,90)	41	F(50,10)	89

Population before the addition of Ch 36 to the database not affected by terrain losses:	2098434 persons
Population lost to NTSC before the addition of Ch 36:	0 persons
Population after the loss to NTSC:	2098434 persons
Population after the addition of Ch 36 to the database:	2098434 persons
Population lost to NTSC with Ch 36:	0 persons
Percentage of population lost with Ch 36:	0.00%

Callsign	Fac ID	ARN	City	Class	Type	ERP	Status	Bearing	Dist	Prot	Clearance	D/U	Zone	Ch#	Adj	Svc Contour	Svc dBu	Int Contour	Int dBu
WIPM-DT	53863	BMPEDT20030204ADS	MAYAGUEZ	DTV	CP MC	620	Clean	292.1	42.2	-	-79.6	-49	2	35	A-1	F(50,90)	41	F(50,10)	89

Population before the addition of Ch 36 to the database not affected by terrain losses:	2180577 persons
Population lost to NTSC before the addition of Ch 36:	0 persons
Population after the loss to NTSC:	2180577 persons
Population after the addition of Ch 36 to the database:	2180577 persons
Population lost to NTSC with Ch 36:	0 persons
Percentage of population lost with Ch 36:	0.00%

LPTV Facility

An interference analysis was conducted using OET 69 Bulletin standards, as permitted by Section 74.707, with regard to the effect of the proposed station on the following LPTV facility:

Exhibit FLR-LPTV  
W36CZ PONCE, PUERTO RICO

Ch 36 +    N LAT 18-0-34.1                      W LON 66-36-48.5                      ERP: 3.82 kW   AGL: 57m   GAMSL: 12.2m   Terrain Radial .2Km

**NO STATIONS**

CLASS A Facility

An interference analysis was conducted using OET 69 Bulletin standards, as permitted by Section 74.707, with regard to the effect of the proposed station on the following LPTV facility:

Exhibit FLR-CLASS-A  
W36CZ PONCE, PUERTO RICO

Ch 36 +    N LAT 18-0-34.1                      W LON 66-36-48.5                      ERP: 3.82 kW   AGL: 57m   GAMSL: 12.2m   Terrain Radial .2Km

**NO STATIONS**

### Land Mobile

There are no co-channel or first adjacent land mobile facilities within 145 kilometers of this proposal. Accordingly, this proposal meets all Land Mobile protections as contained in Section 74.709.