

R. M. SMITH ASSOCIATES
BROADCAST TECHNICAL CONSULTANTS
4267 NW FEDERAL HIGHWAY #120 - JENSEN BEACH, FL 34957
(772) 335-0688 FAX (772) 335-1438
E-MAIL Rmsradio@aol.com

**APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
WBEC-FM – 288A
EASTHAMPTON, MA**

EXHIBIT 29

CONTOUR PROTECTION TO WQGN-FM AND WDBY(FM)

The proposed site is fully spaced per the requirements of 47C.F.R. § 73.207 to all Canadian and domestic allocations except the following:

WQGN-FM, 288A, Groton, CT. The required spacing between co-channel Class A facilities is 115 km. The required separation for 47C.F.R. § 73.215 is 92 km. WQGN-FM is located at N41-23-05, W72-04-13, 106.6 km from the WBEC-FM proposed site. Processing pursuant to 47C.F.R. § 73.215 is requested with respect to WQGN-FM(FM).

WDBY(FM), 288A, Patterson, NY. The required spacing between co-channel Class A facilities is 115 km. The required separation for 47C.F.R. § 73.215 is 92 km. WDBY(FM) is located at N41-31-18, W73-38-06, 114.4 km from the WBEC-FM proposed site. Processing pursuant to 47C.F.R. § 73.215 is requested with respect to WQGN-FM(FM).

Figure 1 of this Exhibit is a plot of the 60 dBu F(50,50) contour and 40 dBu F(50,10) contour of a full Class A (6.0 kW ERP, 100 meters HAAT) facility at the WQGN-FM site; the 60 dBu F(50,50) contour and 40 dBu F(50,10) contour of a full Class A (6.0 kW ERP, 100 meters HAAT) facility at the WDBY(FM) site; and the 60 dBu F(50,50) contour and 40 dBu F(50,10) contour from the proposed facility for WBEC-FM utilizing a directional antenna to provide protection to WQGN-FM.

As shown in Figure 1, no prohibited contour overlap will be generated by the operation of the proposed facility.

R.M. SMITH ASSOCIATES
MODIFICATION OF CONSTRUCTION PERMIT
73.215 INTERFERENCE ANALYSIS

Lat:	N42-14-29	Lon:	W72-38-57
Channel:	288	Class:	A
ERP:	0.72 DA-Max	HAAT:	280
Station	WBEC-FM	C/R	377 m AMSL
Status:	Proposed		
Scale:	1:1,000,000		
Date:	11/2/2005		

Contour:
60 dBu F(50,50)
40 dBu F(50,10)

FIGURE 1

