

EXHIBIT #16

ENVIRONMENTAL PROTECTION ACT

Vermont Public Radio
W295AU
Minor Change to Licensed Translator

0.051 kW ERP @ 13 m AGL

The applicant proposes the use of an existing registered tower (ASR #1042101), built in 1969. The tower is therefore exempt from environmental review.

The proposed one-bay, circularly polarized antenna will be energized such that it produces 0.051 kW effective radiated power (ERP) in both the horizontal and vertical planes, from a center of radiation of 13 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 1-bay Shively 6812 (Type #6) antenna is 0.141 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$), which is 0.014 percent of the maximum for a controlled area and 0.07 percent of the maximum for an uncontrolled area.

There are two FM radio facilities and four active communications antennas on the tower. Lists of these stations are found attached. However, since the predicted level of emissions for the instant proposal is less than 1% of maximum, no further calculations were deemed necessary.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM translator will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.

ID Stations Study at 43 14 12 N, 73 01 44 W, Search Distance = 1 km




Call Serv.	City	State	Ch.	Power	Coordinates	
Dist-km	Azimuth	File Number				
AM -----	None Found	-----				
FM -----		-----				
WV NK.C M	Manchester	VT	216A	0000.195kW	431412N	730144W
000.0	000.0	BNPED20071018BCC FM				
W223AV X	Manchester	VT	223D	0000.010kW	431412N	730144W
000.0	000.0	BLFT20051021AGI FM				
W295AU X	Manchester	VT	295D	0000.010kW	431412N	730144W
000.0	000.0	BLFT20051021AGF FM - Facility being modified				
TV -----	None Found	-----				

License Search

Search Results

Specified Search

ASR Number like **1042101**Matches **1 - 4** (of **4**)

 = Pending Application(s)
 = Termination Pending
 = Lease

Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
1 WMJ757 	Rural Newco LLC	0017233826	CF	Active	02/01/2011
2 WPQE439	CENTRAL VERMONT PUBLIC SERVICE CORPORATION	0003644150	YK	Active	06/13/2010
3 WPQM219	Central Vermont Public Service Corp	0003644150	MG	Active	06/07/2010
4 WQCY248	NEXTEL WIP LICENSE CORP.	0002207066	YX	Active	06/21/2015

Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
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