

WPVQ.L
Greenfield, MA
License Pending
Facility ID: 54780
Latitude: 42-41-53 N
Longitude: 072-36-20 W
ERP: 0.61 kW
Channel: 237A (95.3 MHz)
AMSL Height: 458.0 m
Pattern: Omni

Greenfield, MA - WPVQ(FM) First Adjacent Channel HD-FM Max Power Study

A licensee desiring FM Digital ERP in excess of -14 dBc is required to calculate the station's analog F(50,10) field strength at all points on the protected 60 dBu F(50,50) contour of a potentially affected first-adjacent channel analog FM station. This calculation must be done using the station's licensed analog facilities and the standard FCC contour prediction methodology. Once the most restrictive analog F(50,10) field strength of the proponent station has been determined, the licensee will use the following table to determine the proponent station's maximum permissible FM Digital ERP:

Proponent Analog F(50,10) Field Strength at
Protected Analog 60 dBu F(50,50) Contour
(Maximum Permissible FM Digital ERP)

51.2 dBμ and above -14 dBc (4.0% Analog Power)
50.7 dBμ - 51.1 dBμ -13 dBc (5.0% Analog Power)
50.3 dBμ - 50.6 dBμ -12 dBc (6.3% Analog Power)
49.6 dBμ - 50.2 dBμ -11 dBc (7.9% Analog Power)
49.5 dBμ - or less -10 dBc (10.0% Analog Power)

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NED 03 SEC Terrain Database
US Census 2010 PL Database

Scale 1:3,000,000

0 50 100 150 km

49.5 dBμ F(50:10) Contour

Call	Sign	Lic	Chan.	Svc	Cls	City	ST	DA	Power
WPVQ.L		LIC	237	M	A	Greenfield	MA	No	0.61
WLVO		LIC	238	M	B	Providence	RI	No	18.5
WLVO.C		CP	238	M	B	Providence	RI	Yes	26.0
WRKI		LIC	236	M	B	Brookfield	CT	Yes	29.5
WVTQ		LIC	236	M	A	Sunderland	VT	No	0.105
WXRБ		LIC	236	M	D	Dudley	MA	No	0.014
WXXX		LIC	238	M	C3	South Burlington	VT	Yes	25.0
WYJB		LIC	238	M	B	Albany	NY	No	12.0