

08-25-2003 30 Sec. Terrain Data

WFTNFM BLH19930927KD

Channel = 231A

Max ERP = 6 kW

RCAMSL = 298 M

N. Lat = 43 28 23

W. Lng = 71 36 20

AP231 BNPFT20030317CDF

Channel = 231D

Max ERP = 0.24 kW

RCAMSL = 71 M

N. Lat = 42 59 40

W. Lng = 71 28 07

Protected  
60 dBu

Interfering  
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
165.0	005.0894	0082.9	025.0	350.9	000.2400	-0049.5	029.4	36.3
166.0	005.0917	0087.4	025.6	350.1	000.2400	-0052.8	028.8	36.7
167.0	005.0939	0092.9	026.3	349.3	000.2400	-0055.4	028.0	37.1
168.0	005.0961	0100.6	027.4	348.4	000.2400	-0056.9	027.0	37.7
169.0	005.0983	0108.0	028.3	347.3	000.2400	-0059.0	026.1	38.3
170.0	005.1005	0113.3	028.9	346.1	000.2400	-0062.0	025.5	38.6
171.0	005.1404	0116.2	029.2	344.9	000.2400	-0065.8	025.2	38.9
172.0	005.1805	0118.2	029.5	343.7	000.2400	-0070.3	025.0	39.0
173.0	005.2207	0120.3	029.8	342.4	000.2400	-0082.0	024.8	39.1
174.0	005.2611	0123.3	030.1	341.1	000.2400	-0088.1	024.5	39.3
175.0	005.3016	0127.0	030.6	339.6	000.2400	-0093.2	024.3	39.5
176.0	005.3423	0129.0	030.8	338.2	000.2400	-0099.2	024.2	39.5
177.0	005.3831	0131.0	031.1	336.8	000.2400	-0101.3	024.1	39.6
178.0	005.4241	0133.5	031.4	335.3	000.2400	-0104.9	024.0	39.7
179.0	005.4653	0137.1	031.9	333.7	000.2400	-0105.7	023.8	39.8
180.0	005.5066	0140.2	032.3	332.0	000.2400	-0104.6	023.7	39.9
181.0	005.4859	0143.5	032.6	330.4	000.2400	-0101.2	023.7	39.9
182.0	005.4653	0147.1	033.0	328.8	000.2400	-0098.8	023.6	39.9
183.0	005.4447	0150.0	033.3	327.2	000.2400	-0092.1	023.7	39.8
184.0	005.4241	0152.1	033.5	325.8	000.2400	-0088.0	023.9	39.7
185.0	005.4036	0153.1	033.6	324.6	000.2400	-0084.3	024.2	39.5
186.0	005.3831	0152.9	033.5	323.7	000.2400	-0080.8	024.7	39.2
187.0	005.3627	0151.0	033.3	323.1	000.2400	-0076.9	025.2	38.8
188.0	005.3423	0149.1	033.0	322.6	000.2400	-0076.9	025.8	38.4
189.0	005.3219	0147.1	032.8	322.1	000.2400	-0072.7	026.4	38.1
190.0	005.3016	0145.1	032.5	321.7	000.2400	-0072.7	027.0	37.7
191.0	005.2476	0144.0	032.3	321.2	000.2400	-0069.3	027.6	37.4
192.0	005.1939	0143.8	032.2	320.7	000.2400	-0069.3	028.1	37.1
193.0	005.1404	0143.2	032.1	320.2	000.2400	-0067.4	028.6	36.8
194.0	005.0872	0142.4	031.9	319.8	000.2400	-0067.4	029.1	36.5
195.0	005.0343	0141.9	031.8	319.4	000.2400	-0067.4	029.7	36.2

### FM Over Calculation

At no point on the WFTN 60 dBu (Protected) contour  
does this proposal deliver more than 40 dBu (Interfering).

**ATTACHMENT #12B**  
**\$74.1204 Clearance to WFTN**  
**New FM Translator**  
**Channel 231D - 94.1 MHz**  
**0.240 kW ERP - 71 m AMSL**  
**Manchester, New Hampshire**  
**August 2003**

**BROMO**  
**COMMUNICATIONS**  
BROADCAST  
TECHNICAL CONSULTANTS