

09-26-2005 30 Sec. Terrain Data

WOQL
Channel = 249A
Max ERP = 6 kW
RCAMSL = 434 M
N. Lat = 42 47 24
W. Lng = 72 09 06

WJDF BLH19950814KC
Channel = 247A
Max ERP = 6 kW
RCAMSL = 330 M
N. Lat = 42 36 03
W. Lng = 72 23 01

Protected
60 dBu

Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
205.0	003.6926	0134.9	028.9	127.1	006.0000	0125.8	008.5	83.0
206.0	003.5261	0135.1	028.6	125.8	006.0000	0125.4	008.0	84.1
207.0	003.3633	0136.0	028.4	124.7	006.0000	0125.7	007.5	85.3
208.0	003.2044	0137.3	028.2	123.8	006.0000	0126.5	007.0	86.6
209.0	003.0494	0139.3	028.0	122.9	006.0000	0127.3	006.5	88.0
210.0	002.8981	0141.7	027.9	122.1	006.0000	0127.9	006.0	89.4
211.0	002.8981	0143.3	028.1	123.7	006.0000	0126.5	005.5	90.8
212.0	002.8981	0143.3	028.1	123.9	006.0000	0126.5	005.0	92.3
213.0	002.8981	0141.6	027.9	122.2	006.0000	0127.9	004.5	93.9
214.0	002.8981	0138.3	027.6	118.0	006.0000	0128.4	004.1	95.6
215.0	002.8981	0133.8	027.3	111.2	006.0000	0124.5	003.6	97.1
216.0	002.8981	0128.9	026.8	102.1	006.0000	0125.5	003.3	98.4
217.0	002.8981	0124.3	026.4	092.0	006.0000	0114.7	003.1	98.9
218.0	002.8981	0120.0	026.1	081.2	006.0000	0108.7	003.0	99.1
219.0	002.8981	0115.3	025.7	069.5	006.0000	0105.9	003.1	98.5
220.0	002.8981	0110.5	025.2	058.7	006.0000	0080.6	003.3	95.2
221.0	002.8981	0107.2	024.8	050.2	006.0000	0062.5	003.6	92.2
222.0	002.8981	0106.1	024.7	043.2	006.0000	0048.1	003.6	89.5
223.0	002.8981	0106.4	024.7	036.4	006.0000	0053.3	003.6	90.6
224.0	002.8981	0107.1	024.8	029.5	006.0000	0045.3	003.6	88.9
225.0	002.8981	0107.5	024.9	022.8	006.0000	0041.4	003.7	87.6
226.0	002.8981	0107.1	024.8	017.3	006.0000	0041.4	004.0	86.6
227.0	002.8981	0105.1	024.6	013.7	006.0000	0040.8	004.4	84.8
228.0	002.8981	0101.6	024.2	012.1	006.0000	0051.2	004.9	84.9
229.0	002.8981	0097.2	023.7	011.7	006.0000	0051.2	005.6	82.7
230.0	002.8981	0092.8	023.2	011.7	006.0000	0051.2	006.2	80.6
231.0	003.0494	0089.7	023.1	009.5	006.0000	0065.3	006.6	81.7
232.0	003.2044	0088.7	023.2	006.3	006.0000	0069.3	006.8	81.8
233.0	003.3633	0088.7	023.5	002.3	006.0000	0062.9	006.9	80.6
234.0	003.5261	0088.1	023.6	359.2	006.0000	0055.5	007.1	79.0
235.0	003.6926	0086.7	023.7	357.0	006.0000	0051.8	007.4	77.7

FM Over Calculation

At no point on the WOQL 60 dBu (Protected) contour does WJDF deliver more than 100 dBu (Interfering).

Attachment #29F
\$73.215 Clearance to WJDF
WOQL (FM)
Channel 249A – 97.7 MHz
6 kW ERP (DA) – 100 m HAAT
Winchendon, Massachusetts
September 2005

BROMO BROADCAST
TECHNICAL CONSULTANTS
COMMUNICATIONS