

ATTACHMENT 25D
§73.213 Clearance to WLAY (CP)
WVVR (FM)
Channel 262C – 100.3 mHz
100 kW ERP (DA) – 451 m HAAT
Hopkinsville, Kentucky
May 2003

FM OVER CALCULATION

05-12-2003 30 Sec. Terrain Data

WLAYFM BPH20000424ABJ
Channel = 262C1
Max ERP = 100 kW
RCAMSL = 393 M
N. Lat = 34 40 23
W. Lng = 87 42 53

WVVR
Channel = 262C
Max ERP = 100 kW
RCAMSL = 614 M
N. Lat = 36 56 58
W. Lng = 87 40 18

Protected
60 dBu

Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
340.0	100.0000	0237.7	067.2	188.1	096.6297	0465.2	191.3	39.3
341.0	100.0000	0238.7	067.3	187.8	096.1380	0465.2	190.7	39.4
342.0	100.0000	0239.3	067.4	187.5	095.5894	0465.2	190.1	39.5
343.0	100.0000	0239.7	067.4	187.2	095.0295	0465.4	189.6	39.5
344.0	100.0000	0240.1	067.4	186.9	094.4630	0465.4	189.1	39.6
345.0	100.0000	0240.6	067.5	186.5	093.8935	0465.4	188.6	39.6
346.0	100.0000	0241.2	067.5	186.2	093.3177	0465.6	188.2	39.7
347.0	100.0000	0241.7	067.6	185.9	092.7363	0465.6	187.7	39.8
348.0	100.0000	0242.4	067.6	185.5	092.1515	0465.6	187.3	39.8
349.0	100.0000	0243.1	067.7	185.2	091.5622	0465.7	186.9	39.8
350.0	100.0000	0243.8	067.7	184.8	090.9688	0465.7	186.5	39.9
351.0	100.0000	0244.3	067.8	184.5	090.3692	0465.5	186.2	39.9
352.0	100.0000	0244.6	067.8	184.1	089.7642	0465.5	185.9	39.9
353.0	100.0000	0245.1	067.8	183.8	089.1585	0465.5	185.6	40.0
354.0	100.0000	0245.4	067.9	183.4	088.5487	0465.2	185.4	40.0
355.0	100.0000	0245.6	067.9	183.0	087.9367	0465.2	185.2	40.0
356.0	100.0000	0245.7	067.9	182.7	087.3238	0465.2	185.1	40.0
357.0	100.0000	0246.0	067.9	182.3	086.7113	0464.8	184.9	40.0
358.0	100.0000	0246.3	067.9	181.9	086.0990	0464.8	184.8	39.9
359.0	100.0000	0246.6	068.0	181.6	085.4867	0464.8	184.7	39.9
000.0	100.0000	0247.0	068.0	181.2	084.8752	0464.4	184.6	39.9
001.0	100.0000	0247.4	068.0	180.8	084.2649	0464.4	184.6	39.9
002.0	100.0000	0247.8	068.1	180.5	083.6558	0463.9	184.6	39.8
003.0	100.0000	0247.7	068.0	180.1	083.0499	0463.9	184.6	39.8
004.0	100.0000	0248.1	068.1	179.7	081.9630	0463.9	184.7	39.7
005.0	100.0000	0248.5	068.1	179.4	080.7115	0463.4	184.7	39.7
006.0	100.0000	0248.7	068.1	179.0	079.4742	0463.4	184.9	39.6
007.0	100.0000	0248.1	068.1	178.6	078.2600	0463.4	185.1	39.5
008.0	100.0000	0247.1	068.0	178.3	077.0677	0462.9	185.3	39.3
009.0	100.0000	0246.3	067.9	177.9	075.8925	0462.9	185.6	39.2
010.0	100.0000	0245.4	067.9	177.5	074.7370	0462.9	185.9	39.1

At no point on the WLAY (CP) 60 dBu (Protected) contour
does WVVR deliver more than 40 dBu (Interfering)

Bromo Communications, Inc
Atlanta, Georgia