

09-05-2006 30 Sec. Terrain Data

WQJB BLH20020925ABR
Channel = 283C3
Max ERP = 25 kW
RCAMSL = 191 M
N. Lat = 33 24 14
W. Lng = 88 55 21

WGNL
Channel = 282C2
Max ERP = 44 kW
RCAMSL = 209 M
N. Lat = 33 40 45
W. Lng = 90 04 07

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
270.0	025.0000	0080.0	035.4	113.1	044.0000	0142.9	077.3	53.4
271.0	025.0000	0079.3	035.2	112.7	044.0000	0142.9	077.2	53.4
272.0	025.0000	0078.6	035.1	112.2	044.0000	0143.4	077.1	53.4
273.0	025.0000	0078.6	035.1	111.8	044.0000	0143.4	076.9	53.5
274.0	025.0000	0078.6	035.1	111.3	044.0000	0144.0	076.7	53.6
275.0	025.0000	0078.6	035.1	110.9	044.0000	0144.0	076.6	53.6
276.0	025.0000	0078.6	035.1	110.5	044.0000	0144.7	076.4	53.7
277.0	025.0000	0079.1	035.2	110.0	044.0000	0144.7	076.1	53.8
278.0	025.0000	0079.4	035.3	109.6	044.0000	0144.7	076.0	53.9
279.0	025.0000	0079.3	035.3	109.1	044.0000	0145.7	075.8	53.9
280.0	025.0000	0078.8	035.1	108.7	044.0000	0145.7	075.9	53.9
281.0	025.0000	0077.7	034.9	108.2	044.0000	0146.4	076.0	53.9
282.0	025.0000	0076.7	034.7	107.7	044.0000	0146.4	076.1	53.9
283.0	025.0000	0075.7	034.5	107.2	044.0000	0146.7	076.3	53.9
284.0	025.0000	0075.0	034.4	106.8	044.0000	0146.7	076.4	53.8
285.0	025.0000	0074.4	034.2	106.3	044.0000	0146.5	076.5	53.8
286.0	025.0000	0073.8	034.1	105.9	044.0000	0146.5	076.6	53.8
287.0	025.0000	0073.2	034.0	105.4	044.0000	0146.2	076.7	53.7
288.0	025.0000	0072.1	033.7	105.0	044.0000	0146.2	077.0	53.6
289.0	025.0000	0071.0	033.5	104.6	044.0000	0146.2	077.3	53.5
290.0	025.0000	0069.9	033.3	104.1	044.0000	0145.9	077.5	53.4
291.0	025.0000	0069.3	033.1	103.7	044.0000	0145.9	077.7	53.4
292.0	025.0000	0068.9	033.0	103.3	044.0000	0145.7	077.9	53.3
293.0	025.0000	0068.6	033.0	102.9	044.0000	0145.7	078.0	53.3
294.0	025.0000	0068.7	033.0	102.5	044.0000	0145.5	078.1	53.2
295.0	025.0000	0069.6	033.2	102.0	044.0000	0145.5	078.1	53.3
296.0	025.0000	0071.3	033.6	101.6	044.0000	0145.5	077.8	53.3
297.0	025.0000	0073.4	034.0	101.0	044.0000	0144.8	077.5	53.4
298.0	025.0000	0075.5	034.5	100.5	044.0000	0144.8	077.3	53.5
299.0	025.0000	0077.2	034.8	100.0	044.0000	0143.7	077.1	53.5
300.0	025.0000	0078.1	035.0	099.5	044.0000	0143.7	077.1	53.4

FM Over Calculation

At no point on the WQJB 60 dBu (Protected) contour does WGNL deliver more than 54 dBu (Interfering).

Attachment #29B
\$73.215 Clearance to WQJB
WGNL (FM)
Channel 282C2 – 104.3 MHz
44 kW ERP – 154 m HAAT
Greenwood, Mississippi
September 2006

BROMO BROADCAST
TECHNICAL CONSULTANTS
COMMUNICATIONS