

**Engineering Statement
In Support of an
Application for a Construction Permit
WJKK, Vicksburg, Mississippi
Channel 254C1
WJKK Terrain-Contour Study**

Reference Coordinates:

North Latitude: 32-11-29

West Longitude: 90-24-22

Azimuth °T.	ERP = 52.0 kW Ave. Elev. 3 to 16 km	FM - 2-6 Tables Effective Antenna Height	ERP (dBk)	F(50-50) Distance to 70 dBu Contour	F(50-50) Distance to 60 dBu Contour
	Meters AMSL	Meters AAT		km	km
0.0	83.3	396.4	17.160	49.9	72.7
5.0	85.2	394.5	17.160	49.8	72.6
10.0	88.5	391.2	17.160	49.6	72.3
15.0	92.1	387.6	17.160	49.4	72.1
20.0	91.9	387.8	17.160	49.4	72.1
25.0	94.0	385.7	17.160	49.3	71.9
30.0	99.4	380.3	17.160	49.0	71.6
35.0	100.9	378.8	17.160	48.9	71.5
40.0	104.1	375.6	17.160	48.8	71.2
45.0	109.8	369.9	17.160	48.4	70.8
50.0	112.3	367.4	17.160	48.3	70.7
55.0	112.7	367.0	17.160	48.3	70.6
60.0	110.4	369.3	17.160	48.4	70.8
65.0	108.3	371.4	17.160	48.5	70.9
70.0	107.3	372.4	17.160	48.6	71.0
75.0	104.0	375.7	17.160	48.8	71.2
80.0	100.6	379.1	17.160	49.0	71.5
85.0	99.1	380.6	17.160	49.0	71.6
90.0	98.4	381.3	17.160	49.1	71.6
95.0	98.1	381.6	17.160	49.1	71.6
100.0	97.8	381.9	17.160	49.1	71.7
105.0	98.1	381.6	17.160	49.1	71.7
110.0	101.6	378.1	17.160	48.9	71.4
115.0	100.4	379.3	17.160	49.0	71.5
120.0	101.7	378.0	17.160	48.9	71.4
125.0	97.4	382.3	17.160	49.1	71.7
130.0	93.7	386.0	17.160	49.3	72.0
135.0	98.5	381.2	17.160	49.1	71.6
140.0	101.3	378.4	17.160	48.9	71.4
145.0	103.4	376.3	17.160	48.8	71.3
150.0	107.1	372.6	17.160	48.6	71.0
155.0	108.7	371.0	17.160	48.5	70.9

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ERP = 52.0 kW		FM - 2-6 Tables		F(50-50)	F(50-50)
Azimuth °T.	Ave. Elev.	Effective Antenna Height	ERP (dBk)	Distance to	Distance to
	3 to 16 km Meters AMSL			70 dBu Contour km	60 dBu Contour km
160.0	110.7	369.0	17.160	48.4	70.8
165.0	112.1	367.6	17.160	48.3	70.7
170.0	109.7	370.0	17.160	48.4	70.8
175.0	105.6	374.1	17.160	48.7	71.1
180.0	100.0	379.7	17.160	49.0	71.5
185.0	97.5	382.2	17.160	49.1	71.7
190.0	93.8	385.9	17.160	49.3	72.0
195.0	92.2	387.5	17.160	49.4	72.1
200.0	95.1	384.6	17.160	49.3	71.9
205.0	94.6	385.1	17.160	49.3	71.9
210.0	94.9	384.8	17.160	49.3	71.9
215.0	89.3	390.4	17.160	49.6	72.3
220.0	90.3	389.4	17.160	49.5	72.2
225.0	90.0	389.7	17.160	49.5	72.2
230.0	86.6	393.1	17.160	49.7	72.5
235.0	81.4	398.3	17.160	50.0	72.8
240.0	78.1	401.6	17.160	50.2	73.1
245.0	81.8	397.9	17.160	50.0	72.8
250.0	85.1	394.6	17.160	49.8	72.6
255.0	86.5	393.2	17.160	49.7	72.5
260.0	83.4	396.3	17.160	49.9	72.7
265.0	77.4	402.3	17.160	50.2	73.1
270.0	71.3	408.4	17.160	50.5	73.5
275.0	68.4	411.3	17.160	50.7	73.7
280.0	66.5	413.2	17.160	50.8	73.9
285.0	63.6	416.1	17.160	51.0	74.1
290.0	63.0	416.7	17.160	51.0	74.1
295.0	64.2	415.5	17.160	50.9	74.0
300.0	65.1	414.6	17.160	50.9	74.0
305.0	65.7	414.0	17.160	50.8	73.9
310.0	69.7	410.0	17.160	50.6	73.7
315.0	73.1	406.6	17.160	50.4	73.4
320.0	76.3	403.4	17.160	50.3	73.2
325.0	77.4	402.3	17.160	50.2	73.1
330.0	80.5	399.2	17.160	50.0	72.9
335.0	84.8	394.9	17.160	49.8	72.6
340.0	85.7	394.0	17.160	49.8	72.5
345.0	82.7	397.0	17.160	49.9	72.7
350.0	81.2	398.5	17.160	50.0	72.8
355.0	81.1	398.6	17.160	50.0	72.8