

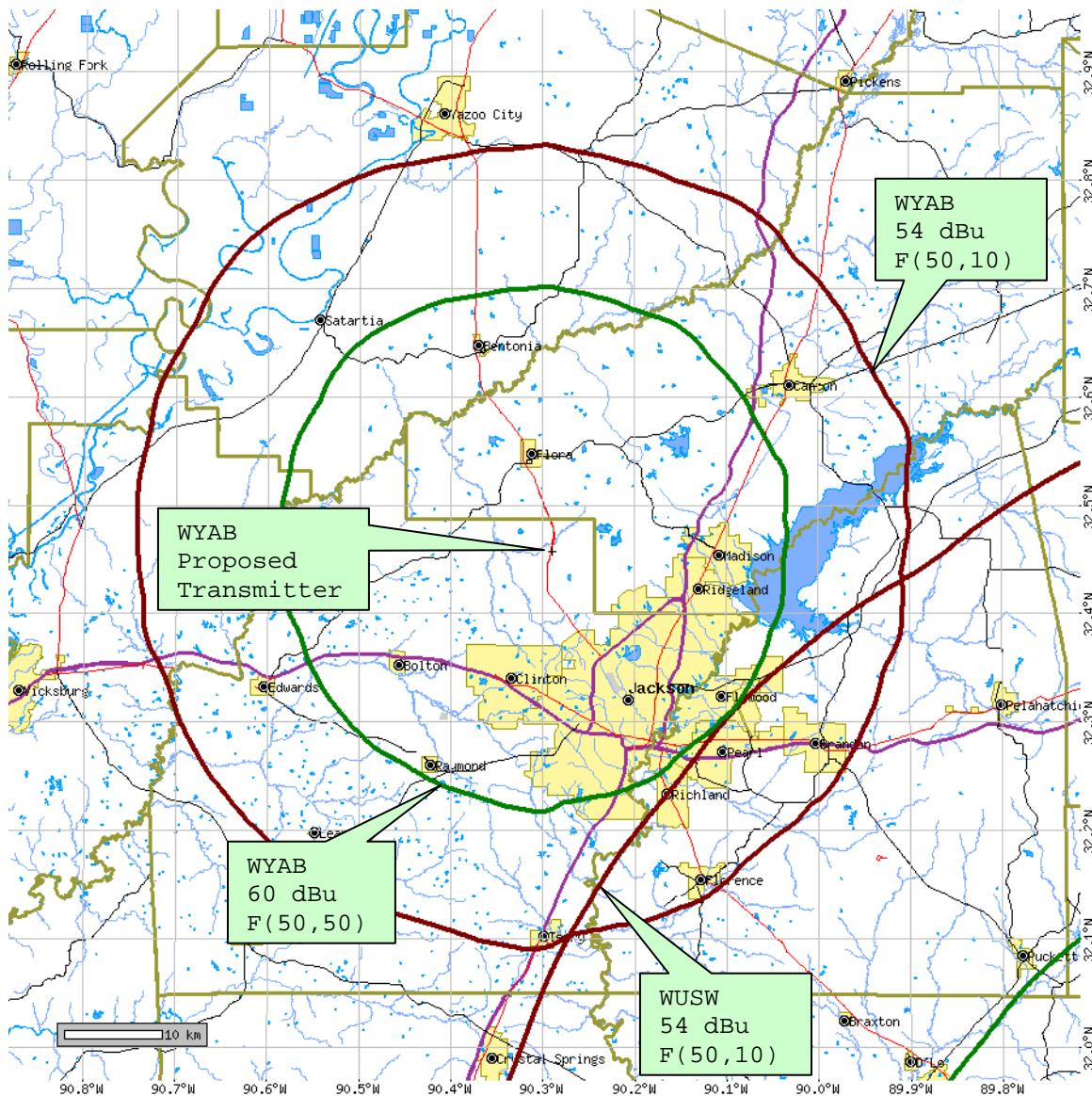
## **EXHIBIT 30**

### **SECTION 73.215 CONTOUR PROTECTION STUDY**

Although the proposed WYAB facilities do not satisfy the minimum spacing requirements of 47 C.F.R. §73.207 with regard to station WUSW, Hattiesburg, Mississippi, the contour protection requirements for short-spaced assignments of §73.215 are met.

The distance between the WUSW (279C0) transmitter site and the proposed WYAB (280A) transmitter site is 150.12 km. Although this distance is less than the 152 km spacing required under §73.207, it exceeds the 130 km minimum distance requirement of §73.215(e). The locations of protected and interfering contours of WUSW (using maximum-class facilities of 100 kW at 450 meters above average terrain) and WYAB (using proposed facilities) were determined and are shown in Figure 1 and Table 1. No prohibited overlap is expected between the protected and interfering contours.

Relevant contour plots were generated by computer using the methods specified in §73.313. Antenna height above average terrain was computed using the standard eight-radial method specified in §73.313(d). Average terrain along additional azimuths was computed and used in conjunction with the F(50,50) and F(50,10) curves to determine distances to protected and interfering contours respectively. These additional azimuths were not included in the computation of the antenna eight-radial height above average terrain. Elevation data used in the computation of average terrain was determined by linear interpolation of the NGDC 30-arcsecond topographic database consistent with §73.312.



**Figure 1: Predicted Section 73.215 Contour Protection for WUSW**

**Table 1: Predicted Section 73.215 Contour Protection for WUSW**

Proposed WYAB Flora, MS

Channel: 280A

ERP: 4.1 kW

HAAT: 104 m

Lat: 32-27-22 N (NAD27)

Lon: 90-17-26 W

WUSW Hattiesburg, MS

Channel: 279C0

ERP: 100 kW

HAAT: 450 m

Lat: 31-31-37 N (NAD27)

Lon: 89-08-07 W

Proposed WYAB Protected (60 dBu)				WUSW-FM Interfering				
Azimuth (deg)	ERP (kW)	HAAT (m)	F5050 Dist. (km)	Az (deg)	ERP (kW)	HAAT (m)	Dist. (km)	F5010 (dBu)
111	4.1	83.1	23.8	317.7	100.0	460.9	128.3	53.2
112	4.1	83.5	23.9	317.5	100.0	461.1	128.1	53.3
113	4.1	84.0	23.9	317.3	100.0	461.2	127.9	53.3
114	4.1	84.3	24.0	317.2	100.0	461.4	127.7	53.4
115	4.1	84.7	24.0	317.0	100.0	461.5	127.5	53.4
116	4.1	85.0	24.0	316.8	100.0	461.7	127.3	53.5
117	4.1	85.1	24.1	316.7	100.0	461.9	127.1	53.5
118	4.1	85.2	24.1	316.5	100.0	462.1	127.0	53.6
119	4.1	85.4	24.1	316.3	100.0	462.3	126.9	53.6
120	4.1	85.6	24.1	316.1	100.0	462.4	126.7	53.7
121	4.1	86.1	24.2	316.0	100.0	462.6	126.5	53.7
122	4.1	86.5	24.3	315.8	100.0	462.8	126.4	53.8
123	4.1	86.7	24.3	315.6	100.0	462.9	126.3	53.8
124	4.1	86.8	24.3	315.4	100.0	463.0	126.2	53.8
125	4.1	87.0	24.3	315.2	100.0	463.1	126.1	53.8
126	4.1	87.2	24.4	315.0	100.0	463.2	126.0	53.9
127	4.1	87.6	24.4	314.8	100.0	463.3	125.9	53.9
128	4.1	87.9	24.4	314.6	100.0	463.3	125.8	53.9
129	4.1	88.3	24.5	314.5	100.0	463.3	125.7	53.9
130	4.1	88.6	24.5	314.3	100.0	463.3	125.6	54.0
131	4.1	88.8	24.6	314.1	100.0	463.3	125.6	54.0
132	4.1	88.6	24.5	313.9	100.0	463.2	125.6	54.0
133	4.1	88.1	24.5	313.7	100.0	463.1	125.7	53.9
134	4.1	87.5	24.4	313.5	100.0	462.9	125.7	53.9
135	4.1	87.3	24.4	313.3	100.0	462.8	125.8	53.9
136	4.1	87.5	24.4	313.1	100.0	462.6	125.8	53.9
137	4.1	87.9	24.4	312.9	100.0	462.3	125.7	53.9
138	4.1	88.0	24.5	312.7	100.0	462.1	125.8	53.9
139	4.1	87.9	24.4	312.5	100.0	461.8	125.8	53.9
140	4.1	87.7	24.4	312.3	100.0	461.6	125.9	53.8
141	4.1	87.5	24.4	312.1	100.0	461.3	126.0	53.8
142	4.1	87.3	24.4	311.9	100.0	461.0	126.1	53.8
143	4.1	87.3	24.4	311.8	100.0	460.7	126.2	53.7
144	4.1	87.4	24.4	311.6	100.0	460.5	126.3	53.7
145	4.1	87.8	24.4	311.4	100.0	460.2	126.3	53.7
146	4.1	88.1	24.5	311.2	100.0	459.9	126.4	53.7
147	4.1	88.4	24.5	311.0	100.0	459.7	126.5	53.6
148	4.1	88.7	24.5	310.8	100.0	459.5	126.6	53.6
149	4.1	89.3	24.6	310.6	100.0	459.3	126.6	53.6
150	4.1	90.4	24.8	310.4	100.0	459.1	126.6	53.6
151	4.1	91.5	24.9	310.2	100.0	458.9	126.7	53.6