

## **EXHIBIT 29**

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

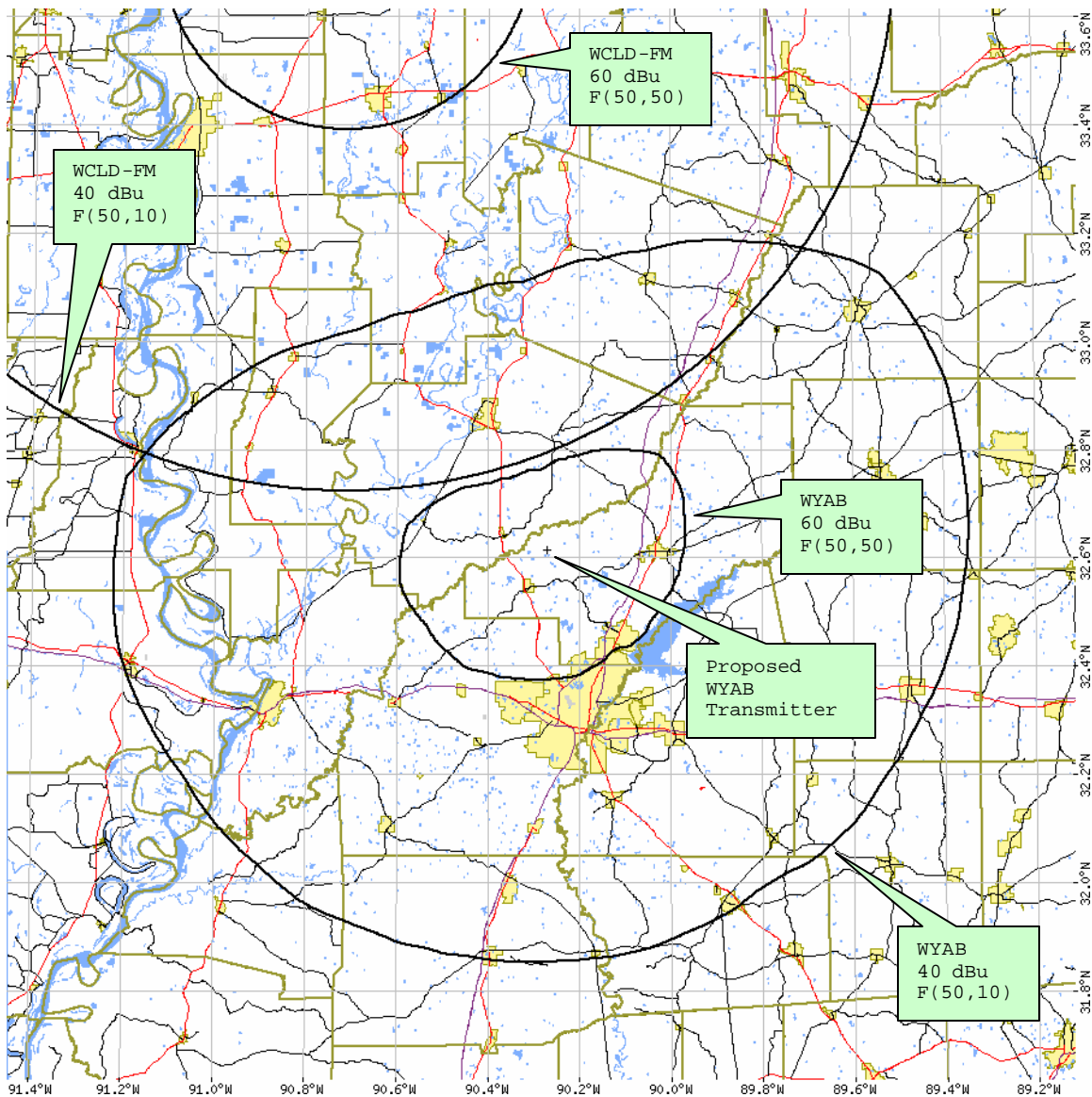
Although the proposed WYAB facilities do not satisfy the minimum spacing requirements of 47 C.F.R. §73.207 with regard to station WCLD-FM, Cleveland, Mississippi and the reference coordinates for its allotment, the contour protection requirements for short-spaced assignments of §73.215 are met.

The distance between the WCLD-FM (280C3) transmitter site and the proposed WYAB (280A) transmitter site is 131.09 km. Although this distance is less than the 142 km spacing required under §73.207, it exceeds the 119 km minimum distance requirement of §73.215(e). The locations of protected and interfering contours of WCLD-FM (using licensed facilities) 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.

WCLD-FM is licensed for an effective radiated power of 24.5 kW with an antenna height above average terrain of 96 meters on channel 280C3. WCLD-FM is authorized under §73.215 and, as such, its licensed facilities were used in the computation of the signal strength contours.

The distance between the reference coordinates for the Cleveland, Mississippi allotment on 280C3 and the proposed WYAB (280A) transmitter site is 130.45 km. Although this distance is less than the 142 km spacing required under §73.207, it exceeds the 119 km minimum distance requirement of §73.215(e). The locations of protected and interfering contours of the allotment (assuming maximum class facilities at the allotment reference coordinates) and WYAB (using proposed facilities) were determined and are shown in Figure 2 and Table 2. 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 WCLD-FM**

**Table 1: Predicted Section 73.215 Contour Protection for WCLD-FM**

Proposed WYAB Flora, MS

Channel: 280A

ERP: 6 kW (maximum)

HAAT: 100 m

Lat: 32-36-44 N (NAD27)

Lon: 90-16-11 W

WCLD-FM Cleveland, MS

Channel: 280C3

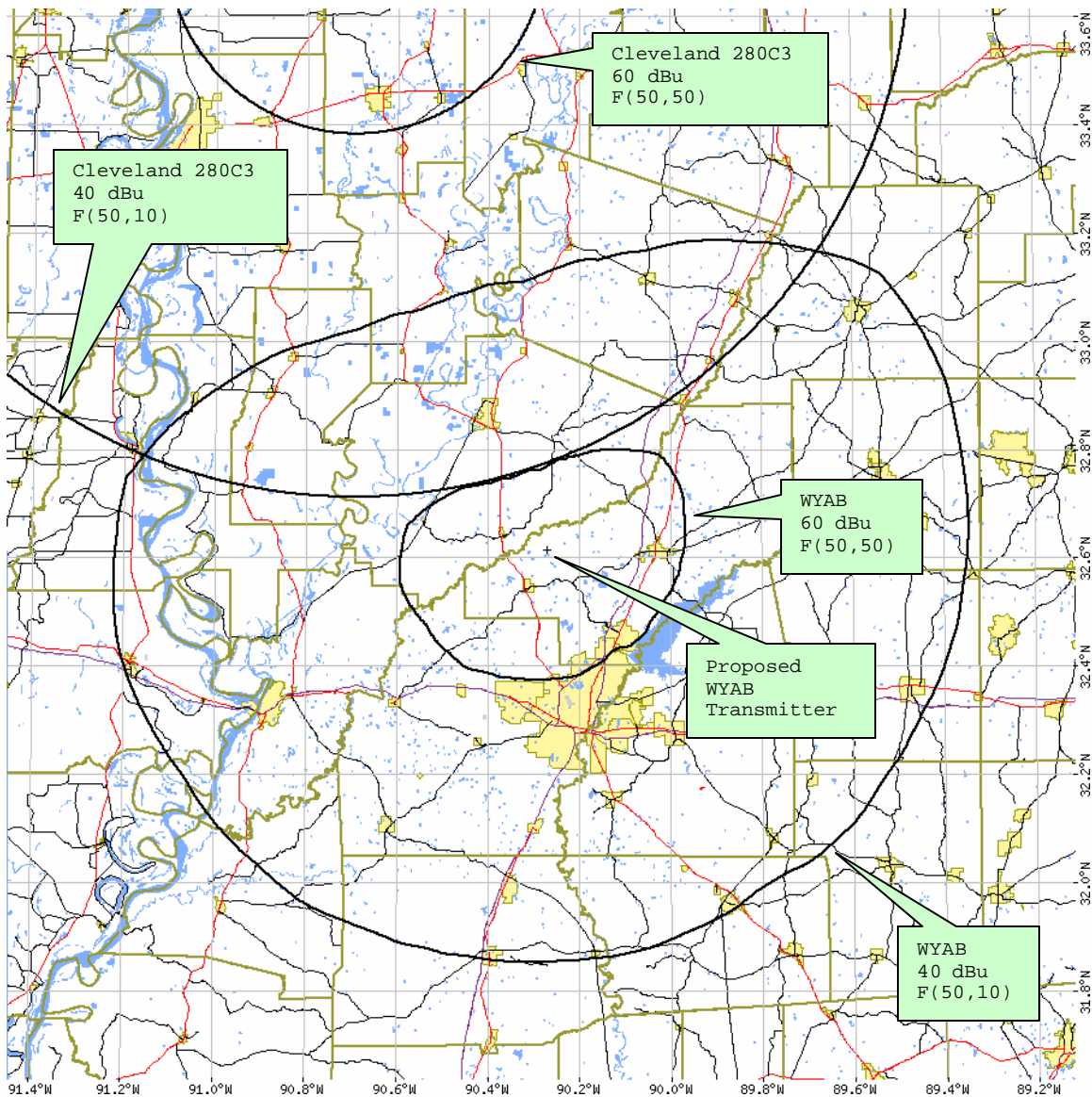
ERP: 24.5 kW

HAAT: 96 m

Lat: 33-44-01 N (NAD27)

Lon: 90-42-50 W

Proposed WYAB Protected (60 dBu)				WCLD-FM Interfering				
Azimuth (deg)	ERP (kW)	HAAT (m)	F5050 Dist. (km)	Az (deg)	ERP (kW)	HAAT (m)	Dist. (km)	F5010 (dBu)
315	1.3	92.6	19.1	165.9	24.5	95.9	114.3	39.7
316	1.3	92.3	18.9	165.7	24.5	95.9	114.4	39.6
317	1.2	91.7	18.7	165.5	24.5	95.9	114.4	39.6
318	1.2	91.1	18.4	165.3	24.5	95.9	114.5	39.6
319	1.1	90.8	18.2	165.1	24.5	95.9	114.5	39.6
320	1.1	91.0	18.1	164.9	24.5	95.9	114.5	39.6
321	1.1	91.5	18.0	164.7	24.5	95.9	114.5	39.6
322	1.0	92.0	17.9	164.6	24.5	95.9	114.4	39.6
323	1.0	92.2	17.8	164.4	24.5	95.9	114.4	39.6
324	1.0	92.4	17.6	164.2	24.5	95.9	114.4	39.6
325	0.9	93.1	17.6	164.1	24.5	95.9	114.4	39.6
326	0.9	93.9	17.5	163.9	24.5	95.9	114.3	39.7
327	0.9	94.4	17.4	163.8	24.5	95.9	114.3	39.7
328	0.9	94.3	17.3	163.6	24.5	95.9	114.4	39.6
329	0.8	93.9	17.1	163.4	24.5	95.9	114.5	39.6
330	0.8	93.4	16.9	163.3	24.5	95.9	114.6	39.6
331	0.8	93.0	16.8	163.1	24.5	95.9	114.7	39.6
332	0.8	92.9	16.7	163.0	24.5	95.9	114.7	39.6
333	0.8	93.3	16.7	162.8	24.5	95.9	114.7	39.6
334	0.8	93.9	16.6	162.7	24.5	95.9	114.6	39.6
335	0.7	94.6	16.6	162.5	24.5	95.9	114.6	39.6
336	0.7	95.1	16.6	162.4	24.5	95.9	114.6	39.6
337	0.7	95.6	16.6	162.3	24.5	95.9	114.6	39.6
338	0.7	96.6	16.6	162.1	24.5	95.9	114.5	39.6
339	0.7	97.9	16.7	162.0	24.5	95.9	114.5	39.6
340	0.7	98.9	16.7	161.8	24.5	95.9	114.4	39.6
341	0.7	99.3	16.7	161.7	24.5	95.9	114.4	39.6
342	0.7	99.1	16.7	161.5	24.5	95.9	114.4	39.6
343	0.7	98.9	16.6	161.4	24.5	95.9	114.5	39.6
344	0.7	99.4	16.7	161.2	24.5	95.9	114.5	39.6
345	0.7	100.3	16.7	161.1	24.5	95.9	114.4	39.6
346	0.7	101.4	16.8	160.9	24.5	95.9	114.4	39.7
347	0.7	102.1	16.9	160.8	24.5	95.9	114.3	39.7
348	0.7	102.5	16.9	160.6	24.5	95.9	114.4	39.6
349	0.7	102.2	16.8	160.5	24.5	95.9	114.4	39.6
350	0.7	101.6	16.8	160.4	24.5	95.9	114.6	39.6
351	0.7	100.5	16.7	160.2	24.5	95.9	114.6	39.6
352	0.7	99.0	16.7	160.1	24.5	95.9	114.8	39.6
353	0.7	97.0	16.6	160.0	24.5	95.9	114.9	39.5
354	0.7	95.4	16.5	159.8	24.5	95.9	115.1	39.5
355	0.7	94.7	16.5	159.7	24.5	95.9	115.1	39.5
356	0.7	95.1	16.6	159.5	24.5	95.9	115.1	39.5
357	0.7	95.7	16.8	159.4	24.5	95.9	115.0	39.5
358	0.8	96.5	16.9	159.2	24.5	95.9	115.0	39.5
359	0.8	97.7	17.1	159.0	24.5	95.9	114.9	39.6
0	0.8	98.8	17.4	158.9	24.5	95.9	114.8	39.6
1	0.8	100.0	17.5	158.7	24.5	95.9	114.7	39.6
2	0.8	101.1	17.7	158.5	24.5	95.9	114.7	39.6
3	0.8	102.5	17.9	158.3	24.5	95.9	114.6	39.6
4	0.8	104.1	18.1	158.1	24.5	95.9	114.6	39.6
5	0.8	105.8	18.4	157.9	24.5	95.9	114.5	39.6



**Figure 2: Predicted Section 73.215 Contour Protection for Cleveland, Mississippi 280C3 allotment**

**Table 2: Predicted Section 73.215 Contour Protection for Cleveland, Mississippi 280C3 allotment**

Proposed WYAB Flora, MS

Channel: 280A

ERP: 6 kW (maximum)

HAAT: 100 m

Lat: 32-36-44 N (NAD27)

Lon: 90-16-11 W

Cleveland, MS Allotment

Channel: 280C3

ERP: 25 kW

HAAT: 100 m

Lat: 33-43-59 N (NAD27)

Lon: 90-41-38 W

Proposed WYAB Protected (60 dBu)				Cleveland Allotment Interfering				
Azimuth (deg)	ERP (kW)	HAAT (m)	F5050 Dist. (km)	Az (deg)	ERP (kW)	HAAT (m)	Dist. (km)	F5010 (dBu)
315	1.3	92.6	19.1	166.8	25.0	99.9	113.8	40.0
316	1.3	92.3	18.9	166.6	25.0	99.9	113.9	40.0
317	1.2	91.7	18.7	166.4	25.0	99.9	113.9	39.9
318	1.2	91.1	18.4	166.2	25.0	99.9	114.0	39.9
319	1.1	90.8	18.2	166.0	25.0	99.9	114.0	39.9
320	1.1	91.0	18.1	165.8	25.0	99.9	114.0	39.9
321	1.1	91.5	18.0	165.6	25.0	99.9	113.9	39.9
322	1.0	92.0	17.9	165.5	25.0	99.9	113.9	40.0
323	1.0	92.2	17.8	165.3	25.0	99.9	113.9	40.0
324	1.0	92.4	17.6	165.1	25.0	99.9	113.9	40.0
325	0.9	93.1	17.6	165.0	25.0	99.9	113.8	40.0
326	0.9	93.9	17.5	164.8	25.0	99.9	113.8	40.0
327	0.9	94.4	17.4	164.7	25.0	99.9	113.8	40.0
328	0.9	94.3	17.3	164.5	25.0	99.9	113.8	40.0
329	0.8	93.9	17.1	164.3	25.0	99.9	113.9	39.9
330	0.8	93.4	16.9	164.2	25.0	99.9	114.0	39.9
331	0.8	93.0	16.8	164.0	25.0	99.9	114.1	39.9
332	0.8	92.9	16.7	163.9	25.0	99.9	114.1	39.9
333	0.8	93.3	16.7	163.7	25.0	99.9	114.1	39.9
334	0.8	93.9	16.6	163.6	25.0	99.9	114.0	39.9
335	0.7	94.6	16.6	163.4	25.0	99.9	114.0	39.9
336	0.7	95.1	16.6	163.3	25.0	99.9	114.0	39.9
337	0.7	95.6	16.6	163.1	25.0	99.9	114.0	39.9
338	0.7	96.6	16.6	163.0	25.0	99.9	113.9	39.9
339	0.7	97.9	16.7	162.8	25.0	99.9	113.8	40.0
340	0.7	98.9	16.7	162.7	25.0	99.9	113.8	40.0
341	0.7	99.3	16.7	162.6	25.0	99.9	113.8	40.0
342	0.7	99.1	16.7	162.4	25.0	99.9	113.8	40.0
343	0.7	98.9	16.6	162.3	25.0	99.9	113.8	40.0
344	0.7	99.4	16.7	162.1	25.0	99.9	113.8	40.0
345	0.7	100.3	16.7	162.0	25.0	99.9	113.8	40.0
346	0.7	101.4	16.8	161.8	25.0	99.9	113.7	40.0
347	0.7	102.1	16.9	161.7	25.0	99.9	113.7	40.0
348	0.7	102.5	16.9	161.5	25.0	99.9	113.7	40.0
349	0.7	102.2	16.8	161.4	25.0	99.9	113.8	40.0
350	0.7	101.6	16.8	161.2	25.0	99.9	113.9	39.9
351	0.7	100.5	16.7	161.1	25.0	99.9	114.0	39.9
352	0.7	99.0	16.7	161.0	25.0	99.9	114.1	39.9
353	0.7	97.0	16.6	160.8	25.0	99.9	114.3	39.9
354	0.7	95.4	16.5	160.7	25.0	99.9	114.4	39.9
355	0.7	94.7	16.5	160.6	25.0	99.9	114.4	39.9
356	0.7	95.1	16.6	160.4	25.0	99.9	114.4	39.9
357	0.7	95.7	16.8	160.2	25.0	99.9	114.3	39.9
358	0.8	96.5	16.9	160.1	25.0	99.9	114.3	39.9
359	0.8	97.7	17.1	159.9	25.0	99.9	114.2	39.9
0	0.8	98.8	17.4	159.7	25.0	99.9	114.1	39.9
1	0.8	100.0	17.5	159.5	25.0	99.9	114.0	39.9
2	0.8	101.1	17.7	159.4	25.0	99.9	114.0	39.9
3	0.8	102.5	17.9	159.2	25.0	99.9	113.9	40.0
4	0.8	104.1	18.1	159.0	25.0	99.9	113.8	40.0
5	0.8	105.8	18.4	158.8	25.0	99.9	113.7	40.0