

## **EXHIBIT 23**

### **HYPOTHETICAL REFERENCE COORDINATES STUDY**

The proposed transmitter site requires processing under §73.215. In accordance with §73.203(b) and §73.3573(g)(4), this exhibit provides reference coordinates of 32-41-23 N, 90-12-49 W (NAD27) for an allotment on channel 280C3 that complies with §73.207 and §73.315.

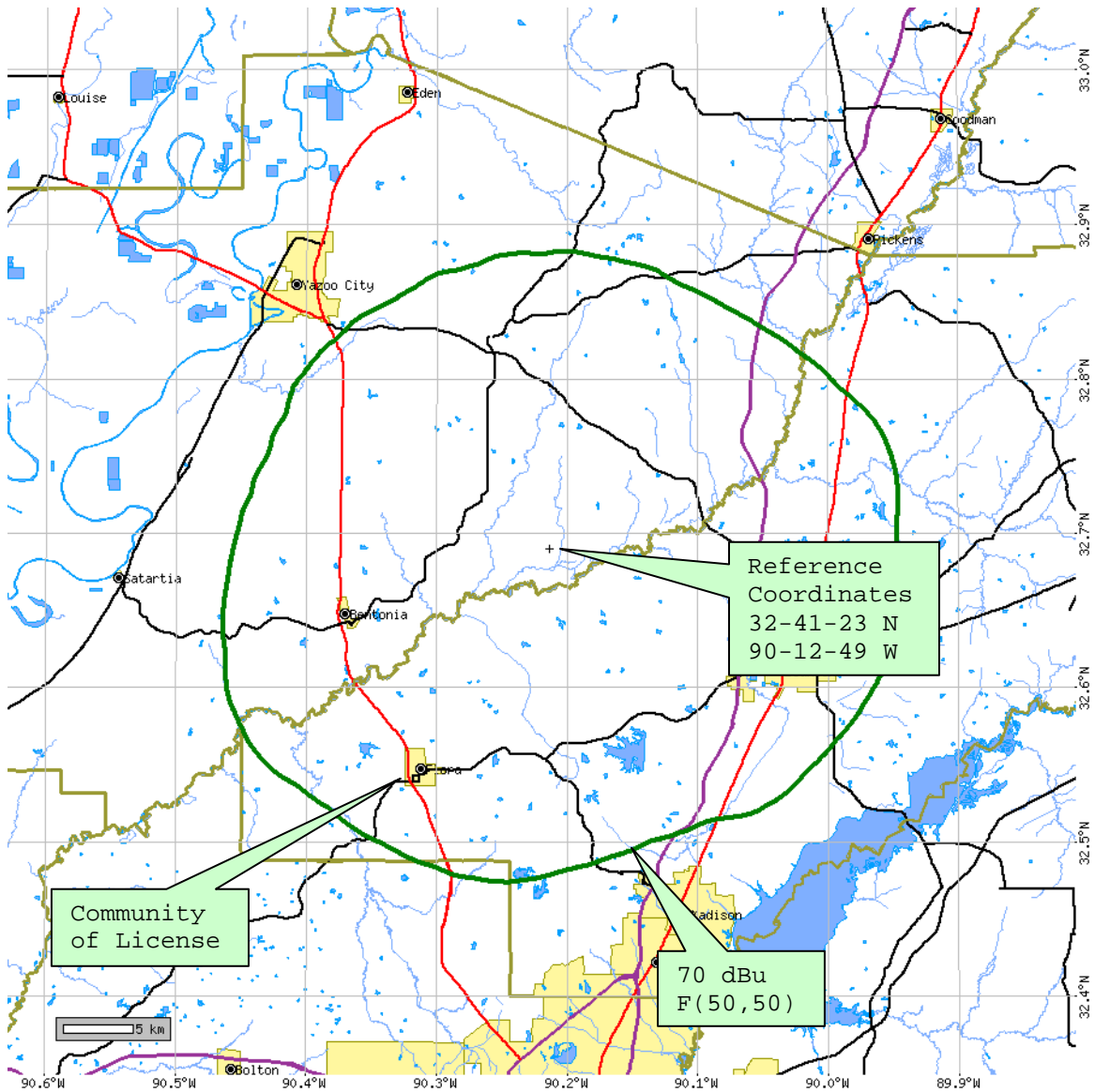
#### **Community Coverage**

The community of Flora, Mississippi lies on an azimuth of 210 degrees from the proposed allotment reference coordinates. The height above average terrain along this azimuth is 111.4 m assuming maximum class facilities (effective radiated power of 25.0 kW, center of radiation at 100 m above average terrain.) According to the FCC F(50,50) curves, the resulting 70 dBu (3.16 mV/m) contour will be at a distance of 24.44 km along this azimuth. The community of Flora is within 18.27 km of the proposed reference coordinates which lies within the 70 dBu contour satisfying the community coverage requirements of 47 C.F.R §73.315.

Figure 1 is an area map showing the proposed allotment reference coordinates, the community of Flora, and the predicted 70 dBu contour. The contour was generated using the same method as that described in Exhibit 30.

#### **73.207 Separation Study**

Table 1 shows the spacing study performed for the proposed Flora allotment reference coordinates. All minimum spacing requirements of 47 C.F.R. §73.207 are met are met with the exception of WCLD-FM, 280C3, Cleveland, Mississippi. An involuntary channel change to 225C3 is requested for WCLD-FM to resolve that short-spacing (see Exhibit 26B.)



**Figure 1: Flora, Mississippi allotment predicted coverage contour.**

**Table 1: Flora, Mississippi allotment section 73.207 separation study**

Community: Flora, Mississippi  
Channel: 280C3  
Coordinates: 32-41-23 N (NAD27)  
90-12-49 W

CDBS Application Number	Callsign	Record Type	Channel / Class	Community	State	Distance (km)	Minimum Distance per 73.207b1 (km)	Margin (km)
1291530	WYAB	LIC	280A	FLORA	MS	19.06	142.00	-122.94
223450	WCLD-FM	LIC	280C3	CLEVELAND	MS	124.81	153.00	-28.19
1148440	WUSW	LIC	279C0	HATTIESBURG	MS	164.26	163.00	1.26
400650	WZKS	LIC	281C2	UNION	MS	126.17	117.00	9.17
1199609	WZKS	CP	281C2	UNION	MS	126.33	117.00	9.33
116996	KJLO-FM	LIC	281C0	MONROE	LA	175.80	163.00	12.80
558957	KZYQ	VAC AL	278C2	LAKE VILLAGE	AR	94.18	56.00	38.18
1073073	WWKZ	LIC	280C2	OKOLONA	MS	219.39	177.00	42.39
606172	NEW	VAC AL	277A	GREENWOOD	MS	95.04	42.00	53.04
1180191	WBZL	CP	277A	GREENWOOD	MS	95.66	42.00	53.66
1175621	KLSM	CP	283C3	TALLULAH	LA	97.18	43.00	54.18
1223226	WGNL	LIC	282C2	GREENWOOD	MS	110.56	56.00	54.56
250055	KZYQ	LIC	278C3	LAKE VILLAGE	AR	114.69	43.00	71.69
535801		VAC AL	280A	BORDELONVILLE	LA	220.46	142.00	78.46
1179866		APP	280A	BORDELONVILLE	LA	220.46	142.00	78.46
566642	WZKR	LIC	277C3	DECATUR	MS	127.43	43.00	84.43
417205	WMJU	LIC	282C3	BUDE	MS	132.67	43.00	89.67
257931	WXRR	LIC	283C1	HATTIESBURG	MS	172.08	76.00	96.08
1301700	WTID	LIC	280A	THOMASTON	AL	246.59	142.00	104.59
1220722	WQJB	LIC	283C3	STATE COLLEGE	MS	160.64	43.00	117.64
109726	KYRK	LIC	281C	HOUMA	LA	307.22	176.00	131.22
1020584	WGDQ (FM)	VAC AL	226C3	SUMRALL	MS	146.80	14.00	132.80
228025	KABZ	LIC	279C	LITTLE ROCK	AR	315.34	176.00	139.34
1296811	WTID	VAC AL	280A	ORRVILLE	AL	281.96	142.00	139.96
153613	WSYE	LIC	227C	HOUSTON	MS	171.40	31.00	140.40
1292418	WTID	APP	280A	ORRVILLE	AL	284.89	142.00	142.89
1241922	WGDQ	LIC	226C3	SUMRALL	MS	164.25	14.00	150.25
296398		VAC AL	281A	CLARENDON	AR	240.05	89.00	151.05
990358	KCJF	LIC	280C3	EARLE	AR	309.52	153.00	156.52
1068658	WYOK	LIC	281C	ATMORE	AL	335.25	176.00	159.25

Note 1 An involuntary channel change to 225C3 for WCLD-FM is requested to resolve this short-spacing. Please see Exhibit 26B.