

# FM Contour Study

du Treil, Lundin, & Rackley, Inc., Sarasota, Florida



**Channel:** 216    **Coordinates:** 033-27-47 086-46-08 (NAD 27)    **ERP:** 0.4 kW    **Max. HAAT:** 176 m

**Comment:** **WVSU-FM licensed transmitter site with 0.4 kW-ND ERP**

Call sign	Chan.	Service	Status	Freq.	City	State	Co.	Rec.	Latitude	Dist. (km)	Sep. (km)	Spac. (km)
Facility ID	ARN			Class	DA	73.215	ERP (kW)	HAAT (m)	Longitude	Bear. (deg)	Comment	
<b>WUOA</b>	6	DT	LIC	85	TUSCALOOSA	AL	US	C	33-29-02	4.14	133	-128.86
77496	BLCDT	20090612AHT		N			26	395	086-48-21	304.07	<b>SHORT</b>	<b>/1/</b>
<b>WFAZ</b>	215	FM	LIC	90.9	GOODWATER	AL	US	C	33-12-30	77.65	76.52	1.13
159021	BLED	20110906AFE	C3	D	N		6.9	136	085-59-31	111.21	<b>CLOSE</b>	
				WFAZ 60.0 dBu desired distance: 38.4 km				Proposed 54.0 dBu undesired distance: 29.1 km				
				Proposed 60.0 dBu desired distance: 19.6 km				WFAZ 54.0 dBu undesired distance: 56.9 km				
<b>WVSU-FM</b>	216	FM	LIC	91.1	BIRMINGHAM	AL	US	C	33-27-47	0	83.09	-83.09
58757	BLED	20040126AHK	A	D	N		0.5	126	086-46-08	90	<b>SHORT</b>	<b>/2/</b>
				WVSU-FM 60.0 dBu desired distance: 20.7 km				Proposed 40.0 dBu undesired distance: 60.7 km				
				Proposed 60.0 dBu desired distance: 19.6 km				WVSU-FM 40.0 dBu undesired distance: 63.5 km				
<b>WAYU</b>	216	FM	LIC	91.1	STEELE	AL	US	C	33-57-29.6	75.06	82.1	-7.04
173825	BLED	20101105AAW	A	N	N		0.15	230	086-13-01	42.68	<b>SHORT</b>	<b>/3/</b>
				WAYU 60.0 dBu desired distance: 20.1 km				Proposed 40.0 dBu undesired distance: 60.7 km				
				Proposed 60.0 dBu desired distance: 19.6 km				WAYU 40.0 dBu undesired distance: 62.5 km				
<b>WAQU</b>	216	FM	LIC	91.1	SELMA	AL	US	C	32-24-17	132.47	132.32	0.15
78926	BLED	20030203ACK	C3	N	N		21.5	102	087-25-32	207.69	<b>CLOSE</b>	
				WAQU 60.0 dBu desired distance: 40.1 km				Proposed 40.0 dBu undesired distance: 60.7 km				
				Proposed 60.0 dBu desired distance: 19.6 km				WAQU 40.0 dBu undesired distance: 112.7 km				
<b>WUAL-FM</b>	218	FM	LIC	91.5	TUSCALOOSA	AL	US	C	33-05-40	72.61	64.11	8.5
69168	BLED	19811221AO	C1		N		100	158	087-24-47	235.79	<b>CLOSE</b>	
				WUAL-FM 60.0 dBu desired distance: 62.8 km				Proposed 100.0 dBu undesired distance: 1.4 km				
				Proposed 60.0 dBu desired distance: 19.6 km				WUAL-FM 100.0 dBu undesired distance: 8.0 km				

- Notes:**
- /1/ - Interference protection requirements are met. See CDBS Exhibit 21 and TV Channel 6 Interference Analysis exhibit.**
  - /2/ - Applicant's licensed directional antenna facility.**
  - /3/ - Contour overlap requirements of Section 73.509 of the FCC Rules are met. See Allocation Study Map exhibit.**
  - /4/ - The intermediate frequency (I.F.) spacing requirements of Section 73.207 of the FCC Rules are met.**