

FM Contour Study

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



Channel: 257 **Coordinates:** 035-40-28 078-31-40 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 357 m **Considering Only Interference Caused**

Comment: Proposed W257CS facility at WRAL-TV tower site.

Callsign	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	
W254BV	254	FX	LIC	98.7	CLAYTON	NC	US	C	35-40-35	0.74	20.12	-19.38
87682	BLFT	20121011AAU	D	C	N		0.25	194.1	078-32-08	287.1	SHORT	/1/
W254BV 60.0 dBu desired distance: 19.0 km				Proposed 100.0 dBu undesired distance: 1.1 km								
WZFX	256	FM	LIC	99.1	WHITEVILLE	NC	US	C	34-44-05	106.96	111	-4.04
32376	BLH	19860909KB	C1		N		100	299	078-47-25	192.93	SHORT	/2/
WZFX 60.0 dBu desired distance: 73.9 km				Proposed 54.0 dBu undesired distance: 37.1 km								
WZFX	256	FM	CP	99.1	WHITEVILLE	NC	US	C	34-43-56.7	107.08	111	-3.92
32376	BPH	20140723ADV	C1	N	N		100	299	078-47-02	192.6	SHORT	/2/
WZFX 60.0 dBu desired distance: 73.9 km				Proposed 54.0 dBu undesired distance: 37.1 km								
W257CS	257	FX	LIC	99.3	MORRISVILLE	NC	US	C	35-47-13	21.94	91.52	-69.58
156990	BLFT	20140411AAW	D	C	N		0.25		078-43-38	304.85	SHORT	/3/
W257CS 60.0 dBu desired distance: 18.0 km				Proposed 40.0 dBu undesired distance: 73.5 km								
WZAX	257	FM	LIC	99.3	NASHVILLE	NC	US	C	35-57-01	59.96	103.58	-43.62
76264	BLH	20050819ADT	A	N	N		6	100	077-57-26	59.03	SHORT	/2/
WZAX 60.0 dBu desired distance: 30.1 km				Proposed 40.0 dBu undesired distance: 73.5 km								
WFWC-LP	257	FL	LIC	99.3	FREMONT	NC	US	C	35-32-42	52.13	79.12	-26.99
134126	BLL	20040810ACA	L1	N	N		0.067	36.596684	077-58-29	105.9	SHORT	/2/
WFWC-LP 60.0 dBu desired distance: 5.6 km				Proposed 40.0 dBu undesired distance: 73.5 km								
WMAG	258	FM	LIC	99.5	HIGH POINT	NC	US	C	35-52-13	120.65	123.3	-2.65
73258	BMLH	20110207AEO	C	D	N		100	456	079-50-25	280.8	SHORT	/2/
WMAG 60.0 dBu desired distance: 86.2 km				Proposed 54.0 dBu undesired distance: 37.1 km								
WCMC-FM	260	FM	LIC	99.9	HOLLY SPRINGS	NC	US	C	35-40-35	0.74	55.47	-54.73
51760	BLH	20100423ACB	C2	N	Y		26.5	206	078-32-08	287.1	SHORT	/1/
WCMC-FM 60.0 dBu desired distance: 54.4 km				Proposed 100.0 dBu undesired distance: 1.1 km								

/1/ - Although the contour overlap requirements are not met, it is demonstrated herein that no interference will be caused to any populated areas or publicly accessible areas. A waiver of Section 74.1204 of the FCC Rules is requested to the extent necessary under the 'Living Way' precedent since no actual interference will occur.

/2/ - Contour overlap requirements are met. See Allocation Study Map exhibit.

/3/ - Applicant's licensed facility.