

# FM Contour Study

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



**Channel:** 257 **Coordinates:** 035-47-13 078-43-38 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 188 m **Considering Only Interference Caused**

**Comment:** Proposed modification to antenna azimuth pattern with no other changes.

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	
<b>W255AM</b>	255	FX	LIC	98.9	RALEIGH	NC	US	C	35-50-45	10.01	12.3	-2.29
87685	BLFT	20120709AGC	D	C	N		0.099	83.5	078-38-36	49.09	<b>SHORT</b>	/1/
W255AM 60.0 dBu desired distance: 11.2 km				Proposed 100.0 dBu undesired distance: 1.1 km								
<b>W256AH</b>	256	FX	LIC	99.1	DURHAM	NC	US	C	36-06-29	40.47	42.85	-2.38
87712	BLFT	20120418AAH	D	N	N		0.25	104.3	078-56-24	331.85	<b>SHORT</b>	/2/
W256AH 60.0 dBu desired distance: 16.1 km				Proposed 54.0 dBu undesired distance: 26.8 km								
<b>W257CS</b>	257	FX	LIC	99.3	MORRISVILLE	NC	US	C	35-47-13	0	74.61	-74.61
156990	BLFT	20140411AAW	D	C	N		0.25		078-43-38	121.65	<b>SHORT</b>	/3/
W257CS 60.0 dBu desired distance: 18.0 km				Proposed 40.0 dBu undesired distance: 56.6 km								
<b>W257CS</b>	257	FX	CP	99.3	MORRISVILLE	NC	US	C	35-40-28	21.94	81.13	-59.19
156990	BPFT	20160113ABF	D	C	N		0.25		078-31-40	124.74	<b>SHORT</b>	/4/
W257CS 60.0 dBu desired distance: 24.5 km				Proposed 40.0 dBu undesired distance: 56.6 km								
<b>WZAX</b>	257	FM	LIC	99.3	NASHVILLE	NC	US	C	35-57-01	71.87	86.67	-14.8
76264	BLH	20050819ADT	A	N	N		6	100	077-57-26	75.11	<b>SHORT</b>	/5/
WZAX 60.0 dBu desired distance: 30.1 km				Proposed 40.0 dBu undesired distance: 56.6 km								
<b>WMAG</b>	258	FM	LIC	99.5	HIGH POINT	NC	US	C	35-52-13	101	112.94	-11.94
73258	BMLH	20110207AEO	C	D	N		100	456	079-50-25	275.6	<b>SHORT</b>	/6/
WMAG 60.0 dBu desired distance: 86.2 km				Proposed 54.0 dBu undesired distance: 26.8 km								
<b>WCMC-FM</b>	260	FM	LIC	99.9	HOLLY SPRINGS	NC	US	C	35-40-35	21.24	55.47	-34.23
51760	BLH	20100423ACB	C2	N	Y		26.5	206	078-32-08	125.34	<b>SHORT</b>	/7/
WCMC-FM 60.0 dBu desired distance: 54.4 km				Proposed 100.0 dBu undesired distance: 1.1 km								

## Notes:

/1/ - The contour overlap requirements are met. See Allocation Study Map exhibit.

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

/3/ - Applicant's licensed facility.

/4/ - Applicant's construction permit facility being modified hereby.

/5/ - The contour overlap requirements are met. See Allocation Study Map exhibit.

/6/ - The contour overlap requirements are met. See Allocation Study Map exhibit.

/7/ - 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 continuing 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.