

FM Contour Study

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



Channel: 230 **Coordinates:** 034-14-08 085-13-43 (NAD 27) **ERP:** 0.01 kW **Max. HAAT:** 244 m **Considering Only Interference Caused**

Comment: Proposed transmitter 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	
WSRM	228	FM	LIC	93.5	COOSA	GA	US	C	34-14-02	0.26	30.33	-30.07
30623	BLH	20090508AAF	A	D	Y		1.2	226	085-13-50	223.95	SHORT	/1/
WSRM 60.0 dBu desired distance: 30.1 km				Proposed 100.0 dBu undesired distance: 0.2 km								
W230BY	230	FX	CP	93.9	ROME	GA	US	C	34-14-09	0.08	39.42	-39.34
143039	BNPFT	20130327ABC	D	N	N		0.01	208.3	085-13-40	68.08	SHORT	/2/
W230BY 60.0 dBu desired distance: 9.1 km				Proposed 40.0 dBu undesired distance: 30.3 km								

Notes:

/1/ - Although the contour overlap requirements are not met, it is demonstrated herein that no interference will be caused to any 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 with respect to WSRM. The predicted desired signal level of WSRM over the proposed W230BY transmitter site is 119 dBu. Given a U/D interference ratio of 40 dB, the interference level would be 159 dBu. The predicted 159 dBu interfering contour extends to a distance of 1 meter and will not reach ground level as demonstrated in the attached interference analysis graph. Therefore, no interference is predicted with respect to WSRM.

/2/ - Applicant's authorized facility record.