

# FM Contour Study

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



**Channel:** 226 **Coordinates:** 028-32-23 081-22-46 (NAD 27) **ERP:** .25 kW **Max. HAAT:** 141 m **Considering Only Interference Caused**

**Comment:** Proposal to use modified directional antenna 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>W226BT</b>	226	FX	LIC	93.1	ORLANDO	FL	US	C	28-32-23	0	65.9	-65.9
156791	BLFT	20160310AAT	D	C	N		0.25		081-22-46	119.65	<b>SHORT</b>	<i>/1/</i>
W226BT 60.0 dBu desired distance: 15.3 km				Proposed 40.0 dBu undesired distance: 50.6 km								
<b>WKRO-FM</b>	226	FM	LIC	93.1	PORT ORANGE	FL	US	C	29-09-15	77.71	80.29	-2.58
5464	BLH	20130401AGL	C3	N	Y		24.5	53	080-59-45	28.58	<b>SHORT</b>	<i>/2/</i>
WKRO-FM 60.0 dBu desired distance: 29.7 km				Proposed 40.0 dBu undesired distance: 50.6 km								
<b>W227CP</b>	227	FX	LIC	93.3	SANFORD	FL	US	C	28-43-20	20.52	37.83	-17.31
143886	BLFT	20160225AAW	D	C	N		0.25		081-20-39.3	9.6	<b>SHORT</b>	<i>/3/</i>
W227CP 60.0 dBu desired distance: 14.8 km				Proposed 54.0 dBu undesired distance: 23.1 km								
<b>W228DF</b>	228	FX	CP MOD	93.5	ORLANDO	FL	US	C	28-32-29	12.86	16.1	-3.24
156373	BMPFT	20150416AAR	D	C	N		0.25		081-30-39	270.86	<b>SHORT</b>	<i>/4/</i>
W228DF 60.0 dBu desired distance: 15.0 km				Proposed 100.0 dBu undesired distance: 1.1 km								

**Notes:**

*/1/* - Applicant's licensed facility.

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

*/3/* - There is existing contour overlap between the W226BT facility and the W227CP facility. The existing contour overlap with the W227CP facility is maintained by the proposed facility. See Allocation Study Map.

*/4/* - Contour overlap requirements are met. See Allocation Study Map.