

FM Contour Study

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



Channel: 286 **Coordinates:** 018-19-39 067-09-55 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 330 m **Considering Only Interference Caused**

Comment: Change in antenna azimuth pattern.

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	
W285DL	285	FX	LIC	104.9	HORMIGUEROS	PR	US	C	17-59-37	36.97	56.47	-19.5
85936	BLFT	20100708PSY	D	C	N		0.25		067-10-27	181.45	SHORT	/1/
W285DL 60.0 dBu desired distance: 21.0 km				Proposed 54.0 dBu undesired distance: 35.5 km								
W286DL	286	FX	CP	105.1	AGUADILLA	PR	US	C	18-19-39	0	94.55	-94.55
202169	BNPFT	20180418AAS	D	C	N		0.25		067-09-55	179.99	SHORT	/2/
W286DL 60.0 dBu desired distance: 23.6 km				Proposed 40.0 dBu undesired distance: 70.9 km								
WIOC	286	FM	CP	105.1	PONCE	PR	US	C	17-59-03	67.62	124.9	-57.28
8152	BPH	20160815AAP	B	N	Y		50	-20	066-38-12	124.27	SHORT	/3/
WIOC 54.0 dBu desired distance: 36.1 km				Proposed 34.0 dBu undesired distance: 88.8 km								
WIOC	286	FM	LIC	105.1	PONCE	PR	US	C	17-59-27	67.87	124.44	-56.57
8152	BLH	19990225KF	B	N	N		47	-61	066-37-45	123.38	SHORT	/3/
WIOC 54.0 dBu desired distance: 35.7 km				Proposed 34.0 dBu undesired distance: 88.8 km								
WFDT	288	FM	LIC	105.5	AGUADA	PR	US	C	18-18-57	2.16	41.09	-38.93
3251	BLH	20020924AAE	A	N	N		3	304	067-10-54	233.14	SHORT	/4/
WFDT 60.0 dBu desired distance: 40.0 km				Proposed 100.0 dBu undesired distance: 1.1 km								

Notes:

/1/ - The W285DL facility hold a construction permit to relocate to San Juan on Channel 232. See FCC File No. BPFT-20160729ALU. Therefore, it is respectfully requested that the instant proposal be conditioned on the licensing of W285DL on its new channel at San Juan pursuant to its construction permit.

/2/ - Applicant's authorized facility.

/3/ - The contour overlap requirements are met. See Allocation Study Map exhibit.

/4/ - 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.