

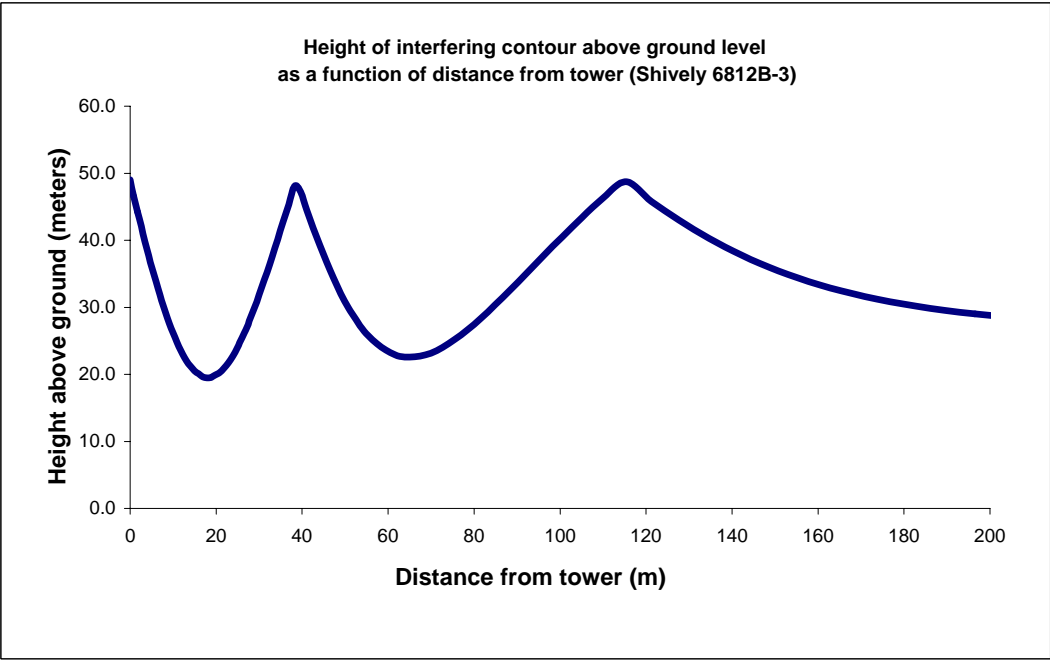
Table 1

NEW LPFM, CH227, Fort Myers, FL
Channel Study

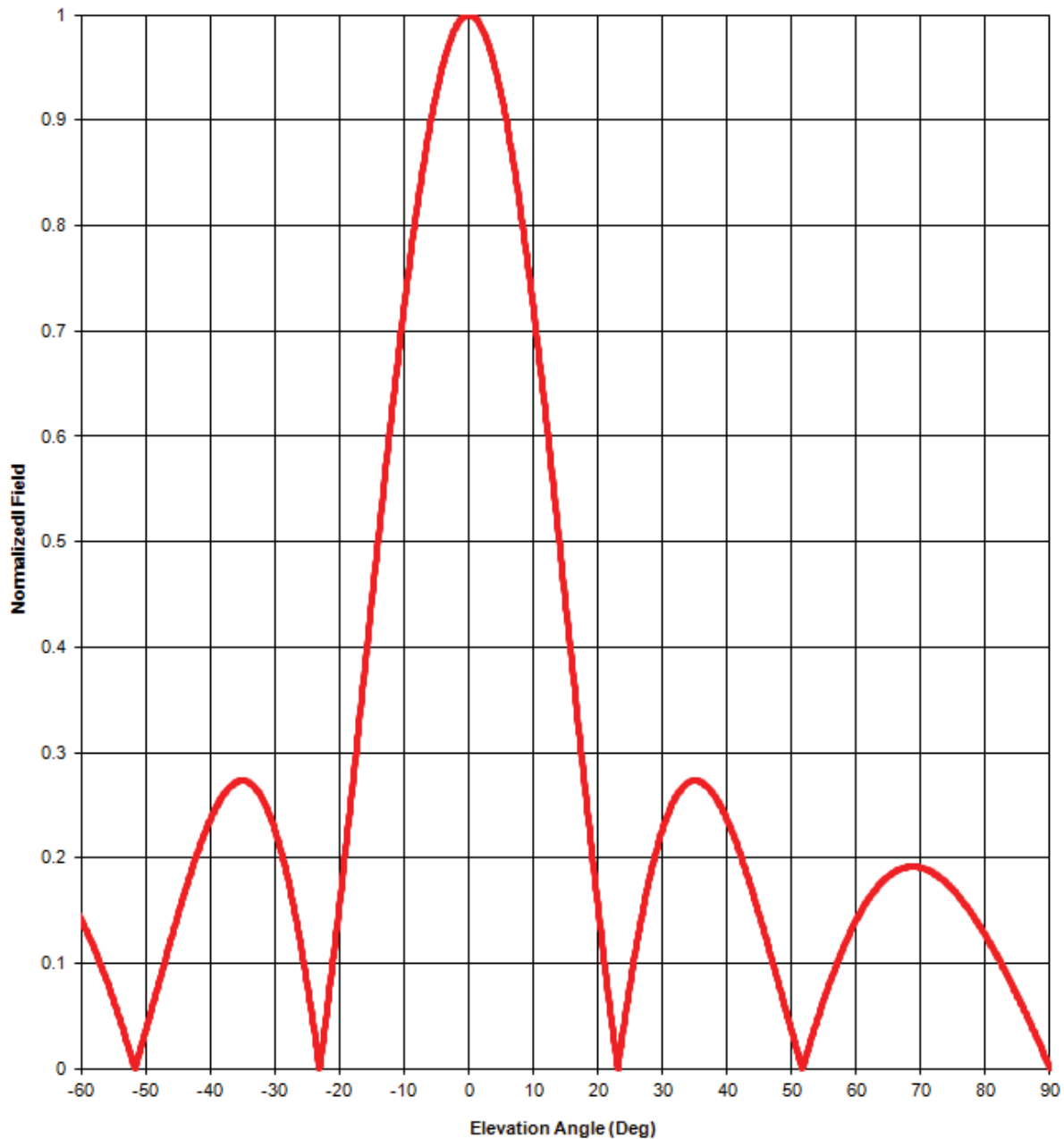
Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)
225	C1	WIKX	FM	LIC	CHARLOTTE HAR	FL	US	CITICASTERS LICENSES	49.78	305.7	73	-23.2	68.4 (waiver req.)
228	C3	WBGF	FM	LIC	BELLE GLADE	FL	US	BGI BROADCASTING, L.I	110.19	87	67	43.2	
229	C2	WXNX	FM	LIC	SANIBEL	FL	US	SUN BROADCASTING IN	14.65	188.1	53	-38.4	83.4 (waiver req.)
229	D	NEW	FX	APP	BAYSHORE GAR	FL	US	WAY MEDIA , INC.	100.18	321	14	86.2	

Waiver Request

The proposed LPFM is short-spaced to two 2nd adjacent channel facilities. Of these facilities, WIKX has the lowest field strength of 68.4 dBu F(50,50) at the proposed site. Therefore the proposed interfering contour is the 108.4 dBu F(50,10) contour. The proposed LPFM will use a 3-bay SHIVELY 6812B-3 antenna mounted at 49 meters AGL. At 38 watts ERP, the proposed 108.4 dBu F(50,10) contour will not extend more than 164 meters horizontally and will not reach down any closer than 19.5 meters above ground level at any distance from the tower. Therefore, the interfering contour does not contain any structures or population. Therefore this proposal is compliant with the waiver allowance of Rule 73.807(e)(1).



Elevation pattern



Antenna model: 6812b, 3-bay full-wave-spaced

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
1.55	1.91 dB

Document No. 6812b 3-bay fw (130701)

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Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field
1	0.997	19	0.210	37	0.267	55	0.066	73	0.181
2	0.988	20	0.155	38	0.260	56	0.083	74	0.176
3	0.973	21	0.102	39	0.249	57	0.100	75	0.170
4	0.952	22	0.052	40	0.236	58	0.115	76	0.163
5	0.926	23	0.004	41	0.221	59	0.129	77	0.155
6	0.894	24	0.040	42	0.205	60	0.141	78	0.146
7	0.858	25	0.081	43	0.186	61	0.153	79	0.137
8	0.816	26	0.118	44	0.167	62	0.162	80	0.127
9	0.771	27	0.151	45	0.146	63	0.171	81	0.116
10	0.723	28	0.181	46	0.124	64	0.177	82	0.105
11	0.671	29	0.206	47	0.103	65	0.183	83	0.093
12	0.616	30	0.227	48	0.080	66	0.187	84	0.081
13	0.560	31	0.244	49	0.058	67	0.190	85	0.069
14	0.502	32	0.257	50	0.036	68	0.191	86	0.056
15	0.443	33	0.266	51	0.014	69	0.192	87	0.042
16	0.384	34	0.272	52	0.007	70	0.191	88	0.029
17	0.325	35	0.274	53	0.028	71	0.189	89	0.015
18	0.267	36	0.272	54	0.047	72	0.185	90	0.000

Elevation Pattern Tabulation

Antenna model: 6812b, 3-bay full-wave-spaced

Relative Field at 0° Depression = 1.000