

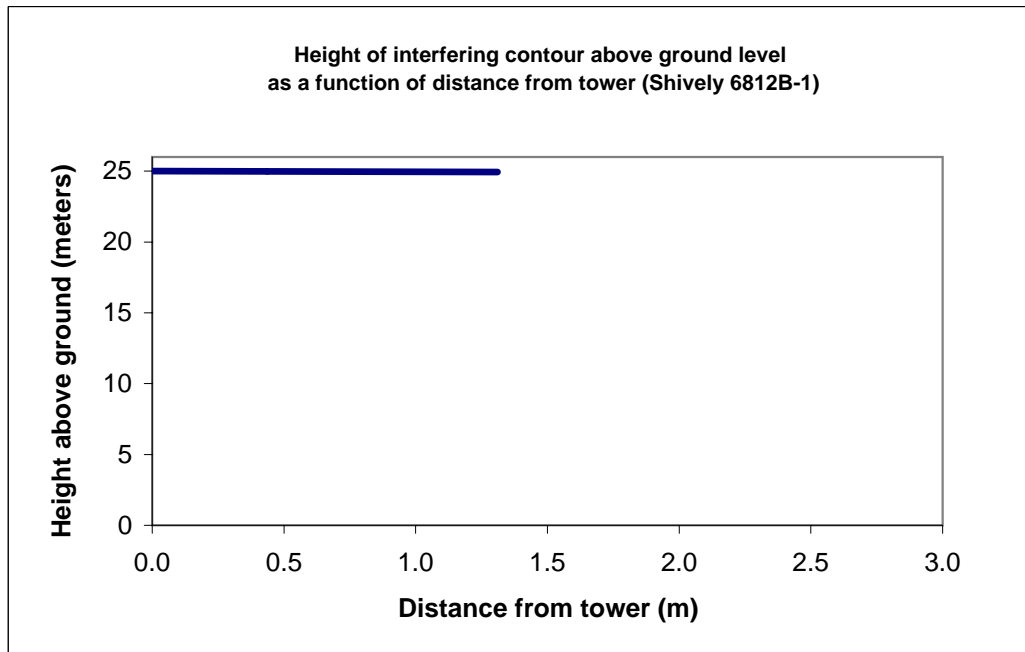
Table 1

Amendment to Application BNPL-20131114AGN for NEW LPFM on CH240, Oxford, AL
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)
238	A	WHMA-FM	FM	LIC	HOBSON CITY	AL	US	WILLIAMS COMMUNICATIONS,	1.9	293.0	29	-27.1	98.1 (waiver req.)
239	C2	WBHJ	FM	LIC	MIDFIELD	AL	US	SM-WBHJ, LLC	92.8	259.2	80	12.8	
239	A	WATG	FM	LIC	TRION	GA	US	TTA BROADCASTING, INC	108.1	29.2	56	52.1	
240	C3	WTWX-FM	FM	LIC	GUNTERSVILLE	AL	US	GUNTERSVILLE BROADCASTII	88.0	334.9	78	10.0	
241	C0	WWPW	FM	LIC	ATLANTA	GA	US	CITICASTERS LICENSES, INC.	143.4	81.2	111	32.4	
241	C0	WWPW	FM	CP	ATLANTA	GA	US	CITICASTERS LICENSES, INC.	143.5	81.2	111	32.5	

Waiver Request

The proposed LPFM is short-spaced to 2nd adjacent WHMA. WHMA has a field strength of 98.1 dBu F(50,50) at the proposed site. Therefore the proposed interfering contour is the 138.1 dBu F(50,10) contour. The proposed LPFM will use a 1-bay SHIVELY 6812B-1 antenna mounted at 25 meters AGL. At 2 watts ERP, the proposed 138.1 dBu F(50,10) contour will not extend more than 1 meter horizontally and will not reach down any closer than 3.1 meters above ground level at any distance from the tower and there are no occupied buildings within 2 meters of the tower. Therefore, the interfering contour does not contain any structures or population (SEE FIGURE 1). Therefore this proposal is compliant with the waiver allowance of Rule 73.807(e)(1).

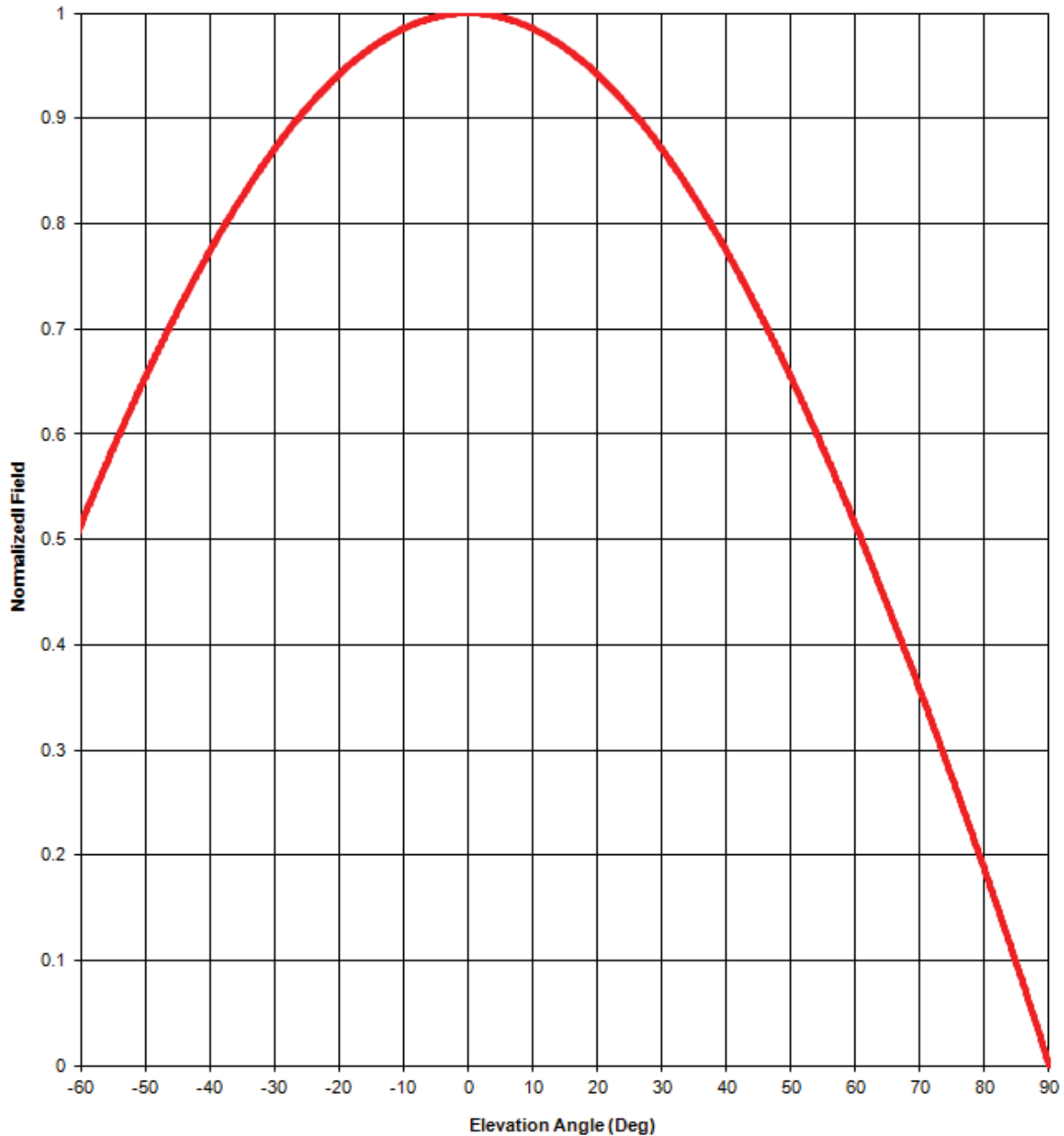




NEW LPFM - Oxford, AL
2nd Adjacent Channel Waiver Exhibit with respect to WHMA-FM:
Shively 6812B-1 antenna

Figure 1

Elevation pattern



Antenna model: 6812b, single bay

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
0.46	-3.39 dB

Document No. 6812b 1-bay fw (130701)

A Division of Howell Laboratories, Inc., P. O. Box 389, Bridgton, Maine 04009 USA

(207) 647-3327

1-888-SHIVELY

Fax: (207)647-8273

An Employee-Owned Company

www.shively.com

sales@shively.com

Certified to ISO-9001

Degrees	Rel. Field
1	1.000
2	0.999
3	0.999
4	0.998
5	0.996
6	0.995
7	0.993
8	0.991
9	0.988
10	0.985
11	0.982
12	0.979
13	0.975
14	0.971
15	0.967
16	0.963
17	0.958
18	0.953

Degrees	Rel. Field
19	0.948
20	0.942
21	0.936
22	0.930
23	0.924
24	0.917
25	0.910
26	0.903
27	0.895
28	0.887
29	0.879
30	0.871
31	0.862
32	0.854
33	0.845
34	0.835
35	0.826
36	0.816

Degrees	Rel. Field
37	0.806
38	0.796
39	0.785
40	0.774
41	0.763
42	0.752
43	0.741
44	0.729
45	0.717
46	0.705
47	0.693
48	0.680
49	0.667
50	0.654
51	0.641
52	0.628
53	0.614
54	0.600

Degrees	Rel. Field
55	0.586
56	0.572
57	0.558
58	0.544
59	0.529
60	0.514
61	0.499
62	0.484
63	0.469
64	0.453
65	0.437
66	0.422
67	0.406
68	0.390
69	0.373
70	0.357
71	0.341
72	0.324

Degrees	Rel. Field
73	0.307
74	0.290
75	0.273
76	0.256
77	0.239
78	0.221
79	0.204
80	0.186
81	0.168
82	0.151
83	0.133
84	0.114
85	0.096
86	0.078
87	0.059
88	0.040
89	0.021
90	0.000

Elevation Pattern Tabulation

Antenna model: 6812b, single bay

Relative Field at 0° Depression = 1.000