

TABULATION OF PREDICTED INTERFERENCE ANALYSIS
WITH RESPECT TO WFEZ (CH. 226C0) AND WMIA-FM (CH. 230C0)
LONG-FORM APPLICATION FOR CONSTRUCTION PERMIT
NEW, MIAMI, FLORIDA, CHANNEL 228

Depression Angle from Antenna	Distance from Base (m)	Elevation Pattern Relative Field	Direct Ray Distance (m)	Effective Radiated Power (W)	Effective Radiated Power (dBk)	Distance to IX Contour (m)*	Height Above Receive Antenna (m)†
85.0	2.0	0.010	23.1	0.000001	-60.00	1.0	22.1
80.0	4.1	0.010	23.4	0.000001	-60.00	1.0	22.4
75.0	6.2	0.010	23.8	0.000001	-60.00	1.0	22.8
70.0	8.4	0.020	24.5	0.000004	-53.98	1.0	23.5
65.0	10.7	0.045	25.4	0.000020	-46.94	1.0	24.4
60.0	13.3	0.085	26.6	0.000072	-41.41	2.0	24.6
55.0	16.1	0.155	28.1	0.000240	-36.19	4.0	24.1
50.0	19.3	0.250	30.0	0.000625	-32.04	6.0	24.0
45.0	23.0	0.360	32.5	0.001296	-28.87	9.0	23.5
40.0	27.4	0.470	35.8	0.002209	-26.56	12.0	23.8
35.0	32.8	0.562	40.1	0.003158	-25.01	14.0	26.1
30.0	39.8	0.645	46.0	0.004160	-23.81	17.0	29.0
25.0	49.3	0.735	54.4	0.005402	-22.67	19.0	35.4
20.0	63.2	0.820	67.2	0.006724	-21.72	21.0	46.2
15.0	85.8	0.895	88.9	0.008010	-20.96	23.0	65.9
10.0	130.4	0.950	132.5	0.009025	-20.45	24.0	108.5
5.0	262.9	0.980	263.9	0.009604	-20.18	25.0	238.9
4.0	328.9	0.984	329.7	0.009683	-20.14	25.0	304.7
3.0	438.9	0.988	439.5	0.009761	-20.10	25.0	414.5
2.0	658.6	0.992	659.0	0.009841	-20.07	25.0	634.0
1.0	1317.7	0.996	1317.9	0.009920	-20.03	26.0	1291.9

* The interfering contour is the 118.6 dBu contour.

† Positive figures indicate no contact of predicted contour with surface; and, thus, no interference predicted in accessible areas.