

TABULATION OF PREDICTED INTERFERENCE ANALYSIS
WITH RESPECT TO KKPK(FM), COLORADO SPRINGS, CO (CHANNEL 225C)
APPLICATION FOR CONSTRUCTION PERMIT
CHANNEL 223

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	2.4	1.000	28.1	0.0700	-15.23	>1.0	27.1
80.0	4.9	1.000	28.4	0.0700	-15.23	>1.0	27.4
75.0	7.5	1.000	29.0	0.0700	-15.23	>1.0	28.0
70.0	10.2	1.000	29.8	0.0700	-15.23	>1.0	28.8
65.0	13.1	1.000	30.9	0.0700	-15.23	>1.0	29.9
60.0	16.2	1.000	32.3	0.0700	-15.23	>1.0	31.3
55.0	19.6	1.000	34.2	0.0700	-15.23	>1.0	33.2
50.0	23.5	1.000	36.6	0.0700	-15.23	>1.0	35.6
45.0	28.0	1.000	39.6	0.0700	-15.23	>1.0	38.6
40.0	33.4	1.000	43.6	0.0700	-15.23	>1.0	42.6
35.0	40.0	1.000	48.8	0.0700	-15.23	>1.0	47.8
30.0	48.5	1.000	56.0	0.0700	-15.23	>1.0	55.0
25.0	60.0	1.000	66.3	0.0700	-15.23	>1.0	65.3
20.0	76.9	1.000	81.9	0.0700	-15.23	>1.0	80.9
15.0	104.5	1.000	108.2	0.0700	-15.23	>1.0	107.2
10.0	158.8	1.000	161.2	0.0700	-15.23	>1.0	160.2
5.0	320.0	1.000	321.3	0.0700	-15.23	>1.0	320.3
4.0	400.4	1.000	401.4	0.0700	-15.23	>1.0	400.4
3.0	534.3	1.000	535.0	0.0700	-15.23	>1.0	534.0
2.0	801.8	1.000	802.3	0.0700	-15.23	>1.0	801.3
1.0	1604.1	1.000	1604.4	0.0700	-15.23	>1.0	1603.4

* The interfering contour is the 184.2 dBu contour. An elevation relative field figure of 1.000 indicates that this is a worst-case analysis. The predicted interfering contour extends to less than 1 m from the antenna in any direction.

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