

TABULATION OF PREDICTED INTERFERENCE ANALYSIS
WITH RESPECT TO WSLC-FM, ROANOKE, VA (CHANNEL 235C)
APPLICATION FOR CONSTRUCTION PERMIT
TROUTVILLE, VIRGINIA, CHANNEL 233

Depression Angle from Antenna	Distance from Base (m)	Elevation Pattern Relative Field	Direct Ray Distance (m)	Effective Radiated Power (kW)	Effective Radiated Power (dBk)	Distance to IX Contour (m)*	Height Above Receive Antenna (m)†
85.0	5.1	0.103	58.2	0.0021	-26.73	5.0	53.2
80.0	10.2	0.129	58.9	0.0033	-24.78	6.0	52.9
75.0	15.5	0.176	60.0	0.0062	-22.08	9.0	51.0
70.0	21.1	0.238	61.7	0.0113	-19.46	12.0	49.7
65.0	27.0	0.313	64.0	0.0196	-17.08	15.0	49.0
60.0	33.5	0.391	67.0	0.0306	-15.15	19.0	48.0
55.0	40.6	0.465	70.8	0.0432	-13.64	23.0	47.8
50.0	48.7	0.538	75.7	0.0579	-12.37	26.0	49.7
45.0	58.0	0.616	82.0	0.0759	-11.20	30.0	52.0
40.0	69.1	0.691	90.2	0.0955	-10.20	34.0	56.2
35.0	82.8	0.758	101.1	0.1149	-9.40	37.0	64.1
30.0	100.5	0.818	116.0	0.1338	-8.73	40.0	76.0
25.0	124.4	0.872	137.2	0.1521	-8.18	43.0	94.2
20.0	159.4	0.918	169.6	0.1685	-7.73	45.0	124.6
15.0	216.5	0.954	224.1	0.1820	-7.40	47.0	177.1
10.0	328.9	0.982	334.0	0.1929	-7.15	48.0	286.0
5.0	662.9	0.999	665.5	0.1996	-7.00	49.0	616.5
4.0	829.4	0.999	831.5	0.1996	-7.00	49.0	782.5
3.0	1106.7	0.999	1108.2	0.1996	-7.00	49.0	1059.2
2.0	1660.9	1.000	1661.9	0.2000	-6.99	49.0	1612.9
1.0	3322.8	1.000	3323.3	0.2000	-6.99	49.0	3274.3

* The interfering contour is the 126 dBu contour.

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