

ANALYSIS OF POTENTIAL 2nd/3rd ADJACENT INTERFERENCE

FM ANTENNA

NUMBER OF ELEMENTS: 2
 SPACING BETWEEN ELEMENTS: 270.0 E.Degrees .75 Lambda
 MECHANICAL TILT: .00 Degrees Down
 CENTER OF RADIATION: 312.0 Feet AGL 95.10 Meters

EFFECTIVE RADIATED POWER: 250.0 Watts

SIGNAL LEVELS ARE COMPUTED AT: 30.0 Feet AGL 9.14 Meters

INTERFERING CONTOUR: 109.1 dBu Free Space
 DISTANCE FROM ANTENNA: 1276.2 Feet 389.00 Meters
 DISTANCE FROM TOWER: 1244.7 Feet 379.38 Meters
 DEPRESSION ANGLE: 12.77 Degrees

DISTANCE FROM TOWER	ANTENNA	ANGLE (DEG)	FIELD RATIO	dBu at 30.0' AGL WORST CASE	30.0' AGL EXPECTED	LOCATION FR TWR	109.1 dBu AGL	
*****	*****	*****	*****	*****	*****	*****	*****	*****
Feet	Feet					Feet	Feet	
.0	282.0	90.0	.089	122.214+	101.210	.00	198.30	
50.0	286.4	79.9	.190	122.079+	107.642	42.27	73.58	
100.0	299.2	70.5	.253	121.699+	109.762+	107.91	7.68-	
150.0	319.4	62.0	.262	121.131+	109.484+	156.79	17.24-	
200.0	345.7	54.7	.217	120.444+	107.183	160.38	85.86	
250.0	376.9	48.4	.135	119.695+	102.295	114.21	183.18	
300.0	411.7	43.2	.033	118.926+	89.238	30.48	283.35	
350.0	449.5	38.9	.075	118.164+	95.609	74.05	252.34	
400.0	489.4	35.2	.178	117.425+	102.422	185.42	181.28	
450.0	531.1	32.1	.272	116.716+	105.416	294.46	127.47	
500.0	574.0	29.4	.356	116.040+	107.077	396.14	88.58	
550.0	618.1	27.1	.430	115.398+	108.065	488.24	61.67	
600.0	663.0	25.2	.494	114.789+	108.658	570.26	43.98	
650.0	708.5	23.5	.549	114.211+	109.001	642.60	33.21	
700.0	754.7	21.9	.596	113.663+	109.175+	706.10	27.54-	
750.0	801.3	20.6	.638	113.143+	109.235+	761.73	25.59-	
800.0	848.2	19.4	.673	112.648+	109.213+	810.46	26.31-	
850.0	895.6	18.4	.704	112.177+	109.133+	853.22	28.93-	
900.0	943.1	17.4	.731	111.727+	109.011	890.81	32.88	
950.0	991.0	16.5	.755	111.297+	108.858	923.95	37.73	Occ.Dwelling
1000.0	1039.0	15.7	.776	110.886+	108.684	953.25	43.18	
1050.0	1087.2	15.0	.794	110.492+	108.494	979.24	49.00	
1100.0	1135.6	14.4	.811	110.114+	108.293	1002.37	55.03	
1150.0	1184.1	13.8	.825	109.751+	108.084	1023.02	61.14	
1200.0	1232.7	13.2	.838	109.401+	107.870	1041.51	67.25	
1250.0	1281.4	12.7	.850	109.065	107.652	1058.12	73.29	
1300.0	1330.2	12.2	.860	108.740	107.434	1073.08	79.22	

VERTICAL FORM FACTOR BASED UPON: ERI ROTOTILLER DISTRIBUTION

**TABLE B - TABULATION OF 3rd ADJACENT INTERFERENCE CONTOUR
for WLKR Translator Site - Ch. 225**



**BAS Broadcasting, Inc. - WLEC AM-1450
AM Fill-In Translator - 3rd Adjacent Waiver - May 2018**