

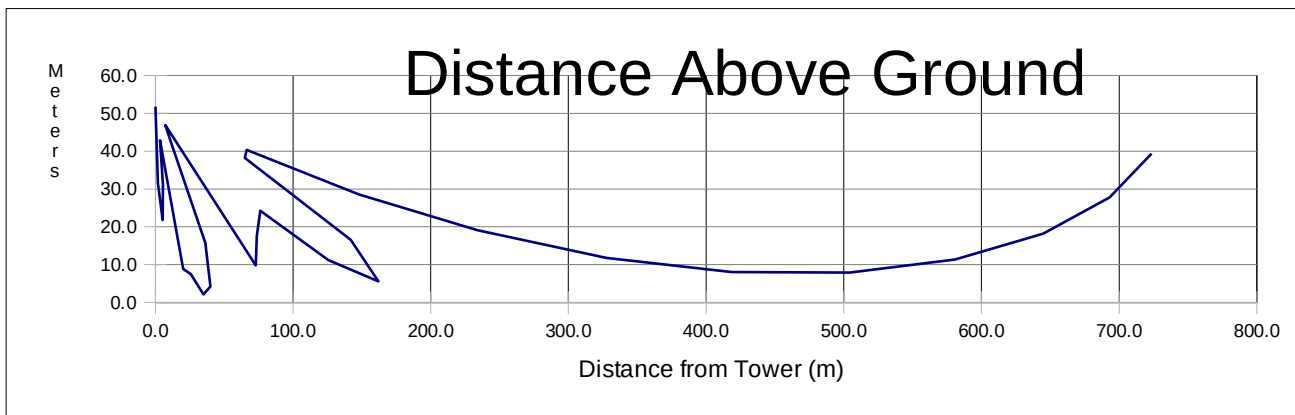
In a letter granting Jersey Shore Broadcasting Corporation's application BPFT-950830TD (September 26, 1996 1800B3-JDB) the FCC stated that the Ratio method is suitable for translator applicants to demonstrate lack of interference for application purposes.

The 54 db μ V F(50,50) and the 57 db μ V F(50,50) contour of second adjacent Class B station WJBR-FM, Wilmington, DE encompasses the 97 db μ V F(50,10) proposed contour, as shown on Exhibit 13 Figure 2. For a protection ratio of 40 db the interfering contour would be 97 db μ V.

Since the distance to this contour is below the minimum distances for the F(50,10) and F(50,50) curves the signal level existing on the ground in the vicinity of the translator was calculated using inverse distance, with an adjustment for ground reflections, as has been accepted by the FCC in recent applications. If a waiver of Section 74.1203(a)(2) is required, one is hereby requested.

Below is a graph and tabulation of these calculations showing the location above ground at which the proposed translator will produce an interfering contour. This table and chart shows that the potentially interfering signal is more than 2 meters from the ground at its closest approach.

Plot of Distance Above Ground for the Nuisance Contour



The proposed 97 db μ V potentially interfering signal does not reach the ground or approach it within 2 meters.

Study for center of Radiation	52 m AGL	ERP
Element	Bays	Spacing
Antenna PSIFMR-	6	0.88 Wavelength
		Special Dist

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Distance above Ground Level of Interfering Contour

Depression Angle (Degrees)	Slant Distance To 97 dbμV (meters)	Horiz Distance To 97 dbμV (meters)	Relative Field	ERP Watts	97 dbμV Above Gnd (meters)
1	723.51	723.4	0.986	53.522	39.4
2	693.53	693.1	0.946	49.178	27.8
3	645.68	644.8	0.880	42.626	18.2
4	582.24	580.8	0.794	34.662	11.4
5	506.22	504.3	0.690	26.202	7.9
6	420.71	418.4	0.574	18.098	8.0
7	330.18	327.7	0.450	11.146	11.8
8	236.18	233.9	0.322	5.703	19.1
9	149.81	148.0	0.204	2.295	28.6
10	67.32	66.3	0.092	0.463	40.3
12	66.49	65.0	0.091	0.452	38.2
14	146.32	142.0	0.200	2.189	16.6
16	168.48	162.0	0.230	2.902	5.6
18	141.16	125.6	0.192	2.037	11.2
20	81.17	76.3	0.111	0.674	24.2
25	80.00	73.8	0.109	0.654	17.6
30	97.51	73.0	0.133	0.972	9.8
35	8.95	7.3	0.012	0.008	46.9
40	90.40	11.2	0.123	0.836	42.6
45	69.23	36.3	0.094	0.490	15.7
50	12.89	40.1	0.018	0.017	4.2
55	77.70	34.9	0.106	0.617	2.1
60	87.59	25.7	0.119	0.784	7.5
65	54.36	20.1	0.074	0.302	8.8
70	9.73	3.3	0.013	0.010	42.9
75	21.57	5.6	0.029	0.048	31.2
80	30.70	5.3	0.042	0.096	21.8
85	20.51	1.8	0.028	0.043	31.6
90	0.26	0.0	0.000	0.000	51.7

Min Height