

TECHNICAL EXHIBIT  
PARTIAL PROOF-OF-PERFORMANCE  
RADIO STATION WEOK  
POUGHKEEPSIE, NEW YORK

1390 KHZ 5 KW DA-D

Engineering Statement

The technical exhibit of which this narrative is part was prepared on behalf of Clear Channel Broadcasting Licenses, Inc. As a condition for the construction permits of FM stations WRNQ and WPFK(BXPH-19991112ACV and BXPH-19991112ACU), before and after partial proof-of-performance measurements are required for Radio Station WEOK, Poughkeepsie, New York.

Included herein are the measurement data concerning the partial proof-of-performance of the daytime directional antenna system as required by conditions on the FM construction permits. As can be seen from the information provided, the before and after partial proof-of-performance field strength measurements are below the values found in the latest proof that was conducted in 1983 on the 100, 280 and 308 degrees radials. On the 131 degree radial, where both the before and after partial proof field strength measurements exceeded the 1983 proof values, before and after agreement within less than one percent was found.



Matthew Folkert

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, FL 34237  
(941) 329-6000

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Radio Station: WEOK  
1390 kHz 5 kW-DAD

100 Degree True Radial - Day

Point Desig.	Dist. (km)	1983 DA (mV/m)	Before		After		Ratio (Bef/83)	Ratio (Aft/83)	Ratio (Bef/Aft)
			Date & Time (local)	Field Strength (mV/m)	Date & Time (local)	Field Strength (mV/m)			
			9/18/02		9/24/02				
7 MP	3.62	54.0	1329	35.0	1440	34.0	0.648	0.630	0.971
8	4.43	30.0	1334	24.0	1432	24.0	0.800	0.800	1.000
9	10.62	5.10	1358	3.00	1417	2.80	0.588	0.549	0.933
10	13.52	2.50	1411	1.40	1401	1.30	0.560	0.520	0.929
11	15.93	1.50	1421	1.20	1353	1.20	0.800	0.800	1.000
12	20.44	0.740	1434	0.540	1336	0.540	0.730	0.730	1.000
13	28.00	0.350	1458	0.200	1312	0.240	0.571	0.686	1.200
14	32.03	0.250	1513	0.190	1300	0.200	0.760	0.800	1.053
Average Ratio:							0.682	0.689	1.011

131 Degree True Radial - Day

Point Desig.	Dist. (km)	1983 DA (mV/m)	Before		After		Ratio (Bef/83)	Ratio (Aft/83)	Ratio (Bef/Aft)
			Date & Time (local)	Field Strength (mV/m)	Date & Time (local)	Field Strength (mV/m)			
			9/18/02		9/24/02				
4	3.06	21.0	1046	20.0	1056	20.0	0.952	0.952	1.000
5 MP	3.22	17.0	1055	23.0	1104	22.0	1.353	1.294	0.957
6	3.46	13.0	1103	23.0	1108	23.0	1.769	1.769	1.000
7	5.07	7.20	1110	8.30	1115	8.70	1.153	1.208	1.048
8	6.92	4.50	1117	4.40	1122	4.60	0.978	1.022	1.045
9	8.53	3.10	1125	3.00	1128	3.30	0.968	1.065	1.100
10	10.46	1.10	1133	1.40	1134	1.30	1.273	1.182	0.929
12	18.02	0.600	1158	0.600	1151	0.580	1.000	0.967	0.967
Average Ratio:							1.181	1.182	1.006

Radio Station: WEOK  
1390 kHz 5 kW-DAD

**280 Degree True Radial - Day**

Point Desig.	Dist. (km)	1983 DA (mV/m)	Before		After		Ratio (Bef/83)	Ratio (Aft/83)	Ratio (Bef/Aft)
			Date & Time (local)	Field Strength (mV/m)	Date & Time (local)	Field Strength (mV/m)			
			9/18/02		9/24/02				
5	3.54	37.0	1147	32.0	1116	36.0	0.865	0.973	1.125
6	4.51	23.0	1141	15.2	1521	16.2	0.661	0.704	1.066
7	5.23	12.0	1138	8.70	1518	12.0	0.725	1.000	1.379
8	7.56	3.80	1133	2.20	1513	1.96	0.579	0.516	0.891
9	10.86	3.00	1125	1.68	1506	1.55	0.560	0.517	0.923
10	14.16	2.00	1117	1.15	1459	1.22	0.575	0.610	1.061
11	16.58	1.10	1110	0.600	1415	0.960	0.545	0.873	1.600
12	28.49	0.160	1045	0.070	1350	0.090	0.438	0.563	1.286
Average Ratio:							0.618	0.719	1.166

**308 Degree True Radial - Day**

Point Desig.	Dist. (km)	1983 DA (mV/m)	Before		After		Ratio (Bef/83)	Ratio (Aft/83)	Ratio (Bef/Aft)
			Date & Time (local)	Field Strength (mV/m)	Date & Time (local)	Field Strength (mV/m)			
			9/18/02		9/24/02				
5 MP	2.66	25.0	1150	32.0	1055	32.0	1.280	1.280	1.000
6	4.43	25.0	1154	18.0	1121	20.5	0.720	0.820	1.139
7	5.79	12.0	1211	9.50	1128	9.70	0.792	0.808	1.021
8	7.72	3.00	1257	2.35	1135	2.30	0.783	0.767	0.979
9	9.98	3.50	1305	2.60	1142	2.70	0.743	0.771	1.038
10	13.04	1.70	1316	0.600	1152	0.800	0.353	0.471	1.333
11	17.38	1.10	1331	0.700	1206	0.750	0.636	0.682	1.071
12	22.05	0.500	1346	0.260	1226	0.300	0.520	0.600	1.154
Average Ratio:							0.723	0.770	1.090