

TABULATED  
DA PROOF AND PARTIAL PROOF DATA  
WSKN / 5 KW  
RADIAL 140° T

1978 ORIGINAL DA PROOF DATA OP= ORIGINAL PROOF				PARTIAL PROOF (1) MADE BEFORE THE SBS TOWER INSTALLATION PP (1) = PARTIAL PROOF (1)				PARTIAL PROOF (2) MADE AFTER THE SBS TOWER INSTALLATION PP (2)=PARTIAL PROOF (2)				MEASUREMENTS ANALYSIS BETWEEN PARTIAL PROOFS (1) AND(2)		MEASURED POINTS COORDINATES		
POINT NO.	DISTANCE MILES	DISTANCE KM	OP READINGS MV/M	LOCAL TIME	DATE	PP (1) READING MV/M	PP (1) / OP RATIO	PP (1)/OP LOG RATIO	LOCAL TIME	DATE	PP (2) READINGS MV/M	PP(2) / OP	PP (2) / OP LOG RATIO	PP (2) / PP (1) RATIO	PP (2) / PP (1) LOG RATIO	PUERTO RICO NAD 27 COORDINATES NORTH LATITUDE WEST LONGITUDE
6	2.02	3.2509	94.0	11:15	000819	110.0	1.1702128	0.06826483	18:10	010503	108.0	1.1489362	0.0602959	0.9818182	-0.007969	182439 / 660618
7	2.32	3.7337	162.0	11:30	000819	100.0	0.617284	-0.209515	18:05	010503	110.0	0.6790123	-0.168122	1.1	0.0413927	182427 / 660607
8	2.60	4.1843	163.0	11:05	000819	98.0	0.601227	-0.2209615	18:00	010503	100.0	0.6134969	-0.212188	1.0204082	0.0087739	182416 / 660557
9	3.07	4.9407	67.0	10:56	000819	69.0	1.0298507	0.01277429	17:46	010503	72.0	1.0746269	0.0312577	1.0434783	0.0184834	182357 / 660541
10	3.52	5.665	81.0	10:40	000819	60.0	0.7407407	-0.1303338	17:30	010503	63.0	0.7777778	-0.109144	1.05	0.0211893	182339 / 660525
11	3.97	6.3892	59.5	9:55	000819	70.0	1.1764706	0.07058107	17:16	010503	75.0	1.2605042	0.1005443	1.0714286	0.0299632	182321 /660509
12	4.63	7.4514	56.5	9:34	000819	47.0	0.8318584	-0.0799506	17:00	010503	45.0	0.7964602	-0.098836	0.9574468	-0.018885	182554 / 660446
13	5.04	8.1112	34.5	9:20	000819	38.0	1.1014493	0.0419645	16:51	010503	35.0	1.0144928	0.0062489	0.9210526	-0.035716	182238 / 660431
14	5.65	9.0929	30.0	18:05	000818	27.0	0.9	-0.0457575	15:55	010503	27.0	0.9	-0.045757	1	0	182213 / 660410
15	6.40	10.3	25.0	17:57	000818	20.5	0.82	-0.0861861	15:41	010503	23.0	0.92	-0.036212	1.1219512	0.049974	182143 / 660343
16	6.75	10.863	28.0	17:10	000818	29.5	1.0535714	0.02266398	15:28	010503	28.0	1	0	0.9491525	-0.022664	182129 /660331
17	7.71	12.408	27.0	16:45	000818	19.0	0.7037037	-0.1526102	15:10	010503	23.0	0.8518519	-0.069636	1.2105263	0.0829742	182051 / 660257
18	8.93	14.372	19.7	16:14	000818	15.0	0.7614213	-0.118375	14:53	010503	14	0.7106599	-0.148338	0.9333333	-0.029963	182002 / 660214
							0.8852146	-0.0636493				0.9036784	-0.053068	1.0277382	0.0105811	

RATIO AVERAGE OF PP(1)/OP READINGS	0.8852146
LOGARITHMIC RATIO AVERAGE OF PP(1)/OP READINGS	0.8636757
RATIO AVERAGE OF PP(2)/OP ) READINGS	0.9036784
LOGARITHMIC RATIO AVERAGE OF PP(2)/OP READINGS	0.88497703
RATIO AVERAGE OF PP2/PP1 READINGS	1.0277382
LOGARITHMIC RATIO AVERAGE OF PP1/PP2 READINGS	1.02466311

FIGURE NO.3
PARTIAL PROOF FIELD INTENSITY MEASUREMENTS AND ANALYSIS DATA STATION WSKN
G. A. BONET, P.E.

TABULATED  
DA PROOF AND PARTIAL PROOF DATA  
WSKN / 5 KW  
RADIAL 167.5° T

1978 ORIGINAL DA PROOF DATA OP = ORIGINAL PROOF				PARTIAL PROOF (1) MADE BEFORE THE SBS TOWER INSTALLATION PP (1) = PARTIAL PROOF (1)					PARTIAL PROOF (2) MADE AFTER THE SBS TOWER INSTALLATION PP (2) = PARTIAL PROOF (2)					MEASUREMENTS ANALYSIS BETWEEN PARTIAL PROOFS (1) AND(2)		MEASURED POINTS COORDINATES
POINT NO.	DISTANCE MILES	DISTANCE KM	OP READINGS MV/M	LOCAL TIME	DATE	PP (1) READING MV/M	PP (1) / OP RATIO	PP(1)/OP LOG RATIO	LOCAL TIME	DATE	PP (2) READINGS MV/M	PP (2)/ OP RATIO	PP(2) / OP LOG RATIO	PP (2) / PP (1) RATIO	PP (2) / PP (1) LOG RATIO	PUERTO RICO NAD 27 COORDINATES NORTH LATITUDE WEST LONGITUDE
7 MP	2.47	3.9751	21.3	14:57	000819	17.0	0.7981221	-0.0979307	11:08	010503	17.0	0.7981221	-0.097931	1	0	182354 / 660700
8	2.93	4.7154	15.5	15:17	000819	21.0	1.3548387	0.1318876	11:18	010503	20.0	1.2903226	0.1106983	0.952381	-0.021189	182330 / 660654
9	3.23	5.1982	29.5	15:23	000819	29.5	1	0	11:24	010503	28.0	0.9491525	-0.022664	0.9491525	-0.022664	182315 / 660651
10	3.85	6.196	18.5	15:49	000819	18.5	1	0	12:03	010503	17.0	0.9189189	-0.036723	0.9189189	-0.036723	182243 / 660643
11	4.52	7.2743	6.6	16:28	000819	14.5	2.1969697	0.34182407	12:15	010503	13.8	2.0909091	0.3203352	0.9517241	-0.021489	182200 / 660635
12	4.95	7.9663	11.0	17:40	000819	12.0	1.0909091	0.03778856	12:38	010503	12.8	1.1636364	0.0658173	1.0666667	0.0280287	182147 / 660630
13	5.63	9.0607	16.5	17:23	000819	16.0	0.969697	-0.013364	12:53	010503	16	0.969697	-0.013364	1	0	182111 / 660632
14	6.41	10.316	7.4	16:44	000819	7.4	1	0	13:03	010503	7.0	0.9459459	-0.024134	0.9459459	-0.024134	182032 / 660613
15	6.96	11.201	8.4	17:50	000819	10.5	1.25	0.09691001	13:08	010503	9.6	1.1428571	0.0579919	0.9142857	-0.038918	182004 / 660606
16	8.06	12.971	6.5	14:00	000826	4.0	0.6153846	-0.2108534	13:30	010503	4.10	0.6307692	-0.200129	1.025	0.0107239	181908 / 660553
17	9.25	14.887	3.0	14:20	000826	2.4	0.8	-0.09691	13:42	010503	2.70	0.9	-0.045757	1.125	0.0511525	181807 / 660539
							1.097811	0.01721384				1.0727574	0.0103764	0.9862795	-0.006837	

RATIO AVERAGE OF PP(1)/OP ) READINGS		1.097811
LOGARITHMIC RATIO AVERAGE OF PP(1)/OP READINGS		1.040432
RATIO AVERAGE OF PP(2)/OP READINGS		1.0727574
LOGARITHMIC RATIO AVERAGE OF PP(2)/OP READINGS		1.02418026
RATIO AVERAGE OF PP2/PP1 READINGS		0.862795
LOGARITHMIC RATIO AVERAGE READINGS		0.98438049

FIGURE NO.4

PARTIAL PROOF  
FIELD INTENSITY MEASUREMENTS  
AND ANALYSIS DATA  
STATION WSKN

G. A. BONET, P.E.

TABULATED

DA PROOF AND PARTIAL PROOF DATA

WSKN / 5 KW

RADIAL 221.5° T

1978 ORIGINAL DA PROOF DATA OP = ORIGINAL PROOF				PARTIAL PROOF (1) MADE BEFORE THE SBS TOWER INSTALLATION PP (1) = PARTIAL PROOF (1)					PARTIAL PROOF (2) MADE AFTER THE SBS TOWER INSTALLATION PP (2) = PARTIAL PROOF (2)					MEASUREMENTS ANALYSIS BETWEEN PARTIAL PROOFS (1) AND(2)		MEASURED POINTS COORDINATES
POINT NO.	DISTANCE MILES	DISTANCE KM	OP READINGS MV/M	LOCAL TIME	DATE	PP (1) READING S MV/M	PP(1)/OP RATIO	PP(1)OP LOG RATIO	LOCAL TIME	DATE	PP (2)) READINGS MV/M	PP(2) /OP RATIO	PP(20 / OP LOG RATIO	pp (2) / pp (1) RATIO	PP (2) / PP (1) LOG RATIO	PUERTO RICO NAD 27 COORDINATES NORTH LATITUDE WEST LONGITUDE
3 MP	1.56	2.5106	120.0	12:09	000901	110.0	0.9166667	-0.0377886	10:42	010503	110.0	0.9166667	-0.037789	1	0	182459 / 660826
5	2.03	3.267	92.0	11:56	000901	92.0	1	0	10:35	010503	92.0	1	0	1	0	182440 / 660843
8	3.78	6.0834	36.0	11:10	000901	33.5	0.9305556	-0.0312577	10:12	010503	33.0	0.9166667	-0.037789	0.9850746	-0.006531	182332 / 660946
10	4.16	6.695	47.5	11:00	000901	40.0	0.8421053	-0.0746336	10:06	010503	44.0	0.9263158	-0.033241	1.1	0.0413927	182317 / 661000
13	4.75	7.6445	42.0	10:50	000901	26.0	0.6190476	-0.2082759	9:58	010503	30.0	0.7142857	-0.146128	1.1538462	0.0621479	182254 / 661022
15	5.53	8.8998	35.8	10:38	000901	24.0	0.6703911	-0.1736718	9:39	010503	24.0	0.6703911	-0.173672	1	0	182223 / 661050
16	6.45	10.38	24.5	10:26	000901	32.5	1.3265306	0.12271728	9:29	010503	34.0	1.3877551	0.1423128	1.0461538	0.0195956	182147 / 661123
17	7.34	11.813	24.2	9:51	000901	18.0	0.7438017	-0.1285429	9:17	010503	19.0	0.785124	-0.105062	1.0555556	0.0234811	182112 / 661156
18	8.21	13.213	24.5	9:37	000901	23.5	0.9591837	-0.0180982	9:07	010503	19.0	0.7755102	-0.110412	0.8085106	-0.092314	182038 / 661227
19	9.56	15.386	20.0	9:00	000901	17.0	0.85	-0.0705811	8:22	010503	17.0	0.85	-0.070581	1	0	181945 / 661316
							0.8858282	-0.0620132				0.8942715	-0.057236	1.0149141	0.0047772	

RATIO AVERAGE OF PP(1)/OP READINGS		0.8858282
LOGARITHMIC RATIO AVERAGE OF PP(10/OP (1) READINGS		0.8669355
RATIO AVERAGE OF PP(2)/OP READINGS		0.87852438
LOGARITHMIC RATIO AVERAGE OF PP(2)/OP READINGS		1.02418026
RATIO AVERAGE OF PP(2)/PP1 READINGS		1.0149141
LOGARITHMIC RATIO AVERAGE OF PP(2)/PP1 READINGS		1.01106063

FIGURE NO.5

PARTIAL PROOF  
FIELD INTENSITY MEASUREMENTS  
AND ANALYSIS DATA  
STATION WSKN

G. A. BONET, P.E

TABULATED  
DA PROOF AND PARTIAL PROOF DATA  
WSKN / 5 KW  
RADIAL 250° T

1978 ORIGINAL DA PROOF DATA OP = ORIGINAL PROOF				PARTIAL PROOF (1) MADE BEFORE THE SBS TOWER INSTALLATION PP (1) = PARTIAL PROOF (1)					PARTIAL PROOF (2) MADE AFTER THE SBS TOWER INSTALLATION PP (2) = PARTIAL PROOF (2)					MEASUREMENTS ANALYSIS BETWEEN PARTIAL PROOFS (1) AND(2)		MEASURED POINTS COORDINATES
POINT NO.	DISTANCE MILES	DISTANCE KM	OP READINGS MV/M	LOCAL TIME	DATE	PP (1) READING MV/M	PP(1) / OP RATIO	PP(1) / OP ) LOG RATIO	LOCAL TIME	DATE	PP (2) READINGS MV/M	PP(2) / OP RATIO	PP (2) / OP LOG RATIO	pp (2) / pp (1) RATIO	PP (2) / PP (1) LOG RATIO	
7	2.23	3.5889	39.0	15:26	000831	26.5	0.6794872	-0.1678187	17:37	010502	38.0	0.974359	-0.011281	1.4339623	0.1565377	PUERTO RICO NAD 27 COORDINATES NORTH LATITUDE WEST LONGITUDE
9	3.00	4.8281	38.0	15:03	000831	41.5	1.0921053	0.0382645	17:30	010502	43.0	1.1315789	0.0536849	1.0361446	0.0154204	
11	3.37	5.4236	29.0	14:52	000831	24.0	0.8275862	-0.0821868	17:24	010502	22.0	0.7586207	-0.119975	0.9166667	-0.037789	
12	3.73	6.0029	35.5	14:43	000831	32.5	0.915493	-0.0383345	17:12	010502	33.0	0.9295775	-0.031714	1.0153846	0.0066306	
14	4.63	7.4514	18.5	14:05	000831	21.0	1.1351351	0.05504757	16:50	010502	22.5	1.2162162	0.0850108	1.0714286	0.0299632	
15	5.25	8.4492	15.0	13:40	000831	12.5	0.8333333	-0.0791812	16:31	010502	10.0	0.6666667	-0.176091	0.8	-0.09691	
16	5.86	9.4309	11.5	13:30	000831	13.0	1.1304348	0.05324551	16:23	010502	12.5	1.0869565	0.0362122	0.9615385	-0.017033	
17	6.75	10.863	15.0	13:15	000831	12.2	0.8133333	-0.0897314	16:08	010502	13.0	0.8666667	-0.062148	1.0655738	0.0275835	
18	8.53	13.728	14.0	12:48	000831	9.0	0.6428571	-0.1918855	15:51	010502	10.0	0.7142857	-0.146128	1.1111111	0.0457575	
19	9.00	14.484	13.5	12:10	000831	11.0	0.8148148	-0.0889411	15:52	010502	10.0	0.7407407	-0.130334	0.9090909	-0.041393	
							0.888458	-0.0591532				0.9085669	-0.050276	1.0320901	0.0088768	

RATIO AVERAGE OF PP(1) / OP	0.888458
LOGARITHMIC RATIO AVERAGE OF PP(1)/OP READINGS	0.8726635
RATIO AVERAGE OF PP(2)/OP READINGS	0.9085669
LOGARITHMIC RATIO AVERAGE OF PP(2)/OP READINGS	0.89068472
RATIO AVERAGE OF PP(2)/PP1 READINGS	1.0320901
LOGARITHMIC RATIO AVERAGE OF PP(2)/PP1 READINGS	1.0206499

FIGURE NO.6

PARTIAL PROOF  
FIELD INTENSITY MEASUREMENTS  
AND ANALYSIS DATA  
STATION WSKN

G. A. BONET, P.E



TABULATED  
DA PROOF AND PARTIAL PROOF DATA  
WSKN / 5 KW  
RADIAL 275.5° T

1978 ORIGINAL DA PROOF DATA OP = ORIGINAL PROOF				PARTIAL PROOF (1) MADE BEFORE THE SBS TOWER INSTALLATION PP (1) = PARTIAL PROOF (1)				PARTIAL PROOF (2) MADE AFTER THE SBS TOWER INSTALLATION PP (2) = PARTIAL PROOF (2)				MEASUREMENTS ANALYSIS BETWEEN PARTIAL PROOFS (1) AND(2)		MEASURED POINTS COORDINATES		
POINT NO.	DISTANCE MILES	DISTANCE KM	OP READINGS MV/M	LOCAL TIME	DATE	PP (1) READING S MV/M	PP (1) OP ) RATIO	PP(1) / OP LOG RATIO	LOCAL TIME	DATE	PP (2)) READINGS MV/M	PP (2) / OP RATIO	PP (2) / OP LOG RATIO	pp (2) / pp (1) RATIO	PP (2) / PP (1) LOG RATIO	PUERTO RICO NAD 27 COORDINATES NORTH LATITUDE WEST LONGITUDE
1MP	1.12	1.8025	60.0	12:37	000901	60.0	1	0	12:42	010502	65.0	1.08333333	0.0347621	1.08333333	0.0347621	182606 / 660830
10	2.10	3.3797	30.5	14:20	000901	18.0	0.5901639	-0.2290273	12:52	010502	18.0	0.5901639	-0.229027	1	0	182611 / 660924
12	3.57	5.7454	8.0	14:42	000901	7.0	0.875	-0.0579919	13:12	010502	7.0	0.875	-0.057992	1	0	182618 / 661044
14	4.05	6.5179	5.4	14:50	000901	6.8	1.2592593	0.10011515	13:19	010502	6.6	1.22222222	0.0871502	0.9705882	-0.012965	182620 / 661110
16	4.87	7.8376	3.7	15:15	000901	5.8	1.5675676	0.19522627	13:24	010502	5.2	1.4054054	0.1478016	0.8965517	-0.047425	182624 / 661155
17	5.4	8.6906	7.6	15:23	000901	6.0	0.7894737	-0.1026623	13:45	010502	6.5	0.8552632	-0.0679	1.08333333	0.0347621	182627 / 661224
18	5.8	9.3343	8.4	15:28	000901	5.2	0.6190476	-0.2082759	13:50	010502	7.6	0.9047619	-0.043466	1.4615385	0.1648102	182629 / 661246
19	6.42	10.332	5.0	15:33	000901	5.0	1	0	13:54	010502	6.0	1.2	0.0791812	1.2	0.0791812	182632 / 661319
20	7.16	11.523	9.2	15:47	000901	6.6	0.7173913	-0.1442439	14:05	010502	4.5	0.4891304	-0.310575	0.6818182	-0.166331	182636 / 661400
21	7.86	12.65	5.5	15:56	000901	3.8	0.6909091	-0.1605791	14:11	010502	5.0	0.9090909	-0.041393	1.3157895	0.1191864	182639 / 661438
22	9.01	14.5	9.6	12:25	000830	8.8	0.9166667	-0.0377886	14:24	010502	7.0	0.7291667	-0.137173	0.7954545	-0.099385	182645 / 661541
							0.9114072	-0.0586571				0.9330489	-0.048966	1.0444007	0.0096906	

RATIO AVERAGE OF PP(1)/OP READINGS	0.9114072
LOGARITHMIC RATIO AVERAGE OF PP(1)/OP READINGS	0.8736609
RATIO AVERAGE OF PP(2)/OP READINGS	0.9330489
LOGARITHMIC RATIO AVERAGE OF OP/PP (2) READINGS	0.89337542
RATIO AVERAGE OFD PP2/PP1 READINGS	1.0444007
LOGARTIHMIC RATIO AVERAGE OD PP1/PP2 READINGS	1.02258424

FIGURE NO. 7
PARTIAL PROOF FIELD INTENSITY MEASUREMENTS AND ANALYSIS DATA STATION WSKN
G. A. BONET, P.E

TABULATED  
DA PROOF AND PARTIAL PROOF DATA  
WSKN / 5 KW  
RADIAL 325° T

1978 ORIGINAL DA PROOF DATA OP= ORIGINAL PROOF				PARTIAL PROOF (1) MADE BEFORE THE SBS TOWER INSTALLATION PP (1)= PARTIAL PROOF (1)					PARTIAL PROOF (2) MADE AFTER THE SBS TOWER INSTALLATION PP (2)=PARTIAL PROOF (2)					MEASUREMENTS ANALYSIS BETWEEN PARTIAL PROOFS (1) AND(2)	MEASURED POINTS COORDINATES		
POINT NO.	DISTANCE MILES	DISTANCE KM	OP READINGS MV/M	LOCAL TIME	DATE	PP (1) READING S MV/M	PP (1) / OP RATIO	PP(1) /OP ) LOG RATIO		LOCAL TIME	DATE	PP (2)) READINGS MV/M	PP (2) / OP RATIO	PP (2) / OP LOG RATIO	PP (2) / PP (1) LOG RATIO	PUERTO RICO NAD 27 COORDINATES NORTH LATITUDE WEST LONGITUDE	
12	1.71	2.752	222.0	17:12	000901	218.0	0.981982	-0.0078965		11:44	010502	220.0	0.990991	-0.00393	1.0091743	0.0039682	182713 / 660823
13	1.83	2.9451	222.0	17:08	000901	215.0	0.9684685	-0.0139145		11:47	010502	210.0	0.9459459	-0.024134	0.9767442	-0.010219	182718 / 660827
14	1.86	2.9934	212.0	17:02	000901	210.0	0.990566	-0.0041166		12:25	010502	210.0	0.990566	-0.004117	1	0	182720 / 660828
15	1.92	3.09	177.0	11:04	000902	165.0	0.9322034	-0.0304893		12:23	010502	160.0	0.9039548	-0.043853	0.969697	-0.013364	182722 / 660829
16	2.33	3.7498	170.0	16:29	000901	120.0	0.7058824	-0.1512677		12:15	010502	110.0	0.6470588	-0.189056	0.9166667	-0.037789	182740 / 660842
17	2.40	3.8625	163.0	16:34	000901	162.0	0.993865	-0.0026726		12:11	010502	165.0	1.0122699	0.0052963	1.0185185	0.0079689	182743 / 660845
18	2.42	3.8947	167.0	16:46	000901	150.0	0.8982036	-0.0466252		12:07	010502	155.0	0.9281437	-0.032385	1.0333333	0.0142404	182744 / 660845
19	2.44	3.9268	152.0	16:50	000901	130.0	0.8552632	-0.0679002		12:04	010502	130.0	0.8552632	-0.0679	1	0	182745 / 660846
20	2.46	3.959	161.0	16:58	000901	128.0	0.7950311	-0.0996159		11:59	010502	129	0.8012422	-0.096236	1.0078125	0.0033797	182745 / 660846
							0.9103447	-0.0432395					0.9066427	-0.046025	0.9941121	-0.002785	

RATIO AVERAGE OF P(1)/OP READINGS	0.9103447
LOGARITHMIC RATIO AVERAGE OF PP(1)/OP READINGS	0.9052333
RATIO AVERAGE OF PP(2)/OP READINGS	0.9066427
LOGARITHMIC RATIO AVERAGE OF PP (2)/OP READINGS	0.8994458
RATIO AVERAGE OF PP1/PP2 READINGS	0.9941121
LOGARITHMIC RATIO AVERAGE OF PP2/PP1 READINGS	0.99476729

FIGURE NO.8

PARTIAL PROOF  
FIELD INTENSITY MEASUREMENTS  
AND ANALYSIS DATA  
STATION WSKN

G. A. BONET, P.E

# **SUMMARY OF INVERSE FIELDS AND RATIOS** **W S K N** **5 KW DA**

RADIAL °T	STANDARD PATTERN MV/M	ORIGINAL PROOF MEASURED PATTERN 1978 MV/M	PP1 / OP AVERAGE RATIO	PP1 / OP LOG AVERAGE RATIO	MEASURED 1978 TIMES PP1/OP AVERAGE RATIO MV/M	MEASURED 1978 TIMES PP1/OP LOG AVERAGE RATIO	PP2/OP AVERAGE RATIO	PP2 / OP LOG AVERAGE RATIO	PP2/PP1 AVERAGE RATIO	PP2/PP1 LOG AVERAGE RATIO
41.5	698.0	642.6	0.934496	0.927844	600.51	596.23	0.93592428	0.92750658	1.00003652	0.99 963626
100.0	544.6	535.6	0.984673	0.971741	527.39	520.46	0.9969485	0.98459585	1.0133996	1.01322874
140.0	248.0	235.7	0.895537	0.863676	211.08	203.57	0.9036784	0.88497703	1.0277382	1.02466311
167.5	87.1	76.0	0.934496	0.927844	71.02	70.52	1.0727574	1.02418026	0.0862795	0.98438049
221.5	236.1	216.9	0.885828	0.866936	192.14	188.04	0.8942715	0.87652438	1.0149141	1.01106063
250.0	177.9	156.6	0.888458	0.872664	139.13	136.66	0.9085669	0.89068472	1.0320901	1.02064990
275.5	87.1	59.9	0.911407	0.873661	54.59	52.33	0.9330489	0.89337542	1.0444007	1.02256424
325.0	425	411.8	0.910345	0.905233	374.88	372.77	0.9066427	0.8994458	0.9941121	0.99476729

OP = ORIGINAL PROOF  
PP1 = DA PARTIAL PROOF NO.1 (BEFORE THE TOWER INSTALLATION )  
PP2 = DA PARTIAL PROOF NO.2 (AFTER THE TOWER INSTALLATION)

## **FIGURE A**

**PARTIAL PROOF**  
**FIELD INTENSITY MEASUREMENTS**  
**AND ANALYSIS DATA**  
**STATION WSKN**

**G. A. BONET, P.E.**

# POTOMAC INSTRUMENTS, INC

SILVER SPRING, MARYLAND

## CERTIFICATE OF CALIBRATION

Field Intensity Meter Type FIM-21 Serial No. 1021

This instrument was calibrated in an induction field of 220.0 millivolts per meter. At each measurement frequency the measured field was recorded and a correction factor K was computed: the indicated field must be multiplied by K to obtain the true field.

<u>KHz</u>	<u>K</u>	<u>MHz</u>	<u>K</u>	<u>KHz</u>	<u>K</u>	<u>MHz</u>	<u>K</u>
540	0.995	1.6		1100	1.000	3.5	
600	0.995	1.9		1200	1.000	3.8	
700	1.000	2.2		1300	1.000	4.1	
800	1.000	2.5		1400	1.000	4.4	
900	1.000	2.8		1500	1.000	4.7	
1000	1.000	3.2		1600	1.014	5.0	

Single Frequency of KHz only, K

The calibrating field is maintained equal to the National Bureau of Standards standard field within an accuracy of 1.0 per cent. NBS states that the absolute accuracy of its field is "believed to be within 3.0 percent."

The error at points on the meter scale other than the calibration point is less than 3.0 per cent. The attenuator ratios are correct within 2.0 per cent. These accuracies apply for battery voltages that are indicated by the instrument's battery check circuit to be useable. NEXT RECOMMENDED CALIBRATION DATE:

JULY 2002

Calibrated by EDC More Date 31 JULY 2000.

STATE OF MARYLAND

Personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
testified under oath that the above calibration was made either by himself or under his direction and that the statements in the above certificate are true to the best of his knowledge and belief.

**FIGURE B**