

TABLE 1
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

<u>15 DEGREES TRUE RADIAL</u>			
<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 9/29/2014</u>	<u>Field mv/m</u>
1	3.20	916	34.8
2	4.00	928	21.3
3	5.50	942	5.80
4	6.30	951	9.50
5	6.90	959	6.95
6	8.20	1011	3.65
7	11.20	1041	4.50
8	12.10	1050	2.87
9	14.40	1103	1.02
10	16.00	1111	1.27
11	17.40	1119	1.32
9/30/2014			
12	18.30	1430	0.74
13	19.30	1441	0.80
14	21.30	1449	0.55
15	22.70	1456	0.26
16	23.40	1503	0.29
17	30.00	1549	0.17
18	31.20	1559	0.18
19	33.30	1613	0.14

TABLE 2
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

35 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 9/29/2014</u>	<u>Field mv/m</u>
1	0.40	1210	850
2	0.80	1216	163
3	1.20	1223	134
4	1.50	1229	133
5	1.70	1237	34.8
6	1.90	1243	61.5
7	2.40	1250	13.5
8	2.70	1256	10.4
9	2.90	1305	24.9
10	3.70	1311	32.7
11	4.60	1321	11.3
12	5.10	1327	11.1
13	5.60	1334	13.0
14	6.50	1340	7.40
15	8.00	1348	5.45
16	10.20	1400	5.00
17	13.10	1417	2.73
18	14.80	1424	1.65
19	17.30	1440	1.00

35 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 9/29/2014</u>	<u>Field mv/m</u>
20	19.80	1455	0.68
21	21.30	1511	0.46
22	24.50	1533	0.30
23	26.20	1541	0.19
24	27.80	1549	0.21
25	29.30	1557	0.21
26	30.70	1609	0.24
27	32.00	1620	0.19
28	34.30	1631	0.19

TABLE 3
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

55 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 9/30/2014</u>	<u>Field mv/m</u>
1	3.20	916	31.8
2	4.10	922	23.7
3	5.20	929	11.3
4	6.20	935	9.40
5	7.00	946	12.4
6	7.70	956	7.50
7	8.30	1003	6.45
8	10.00	1017	4.20
9	12.10	1036	2.05
10	14.00	1048	1.03
11	15.90	1105	1.33
12	17.50	1112	1.23
13	19.60	1119	0.65
14	21.90	1131	0.67
15	23.70	1143	0.62
16	30.00	1156	0.36
17	32.20	1206	0.27
18	34.20	1216	0.17
19	44.80	1302	0.058

55 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 9/30/2014</u>	<u>Field mv/m</u>
20	47.10	1310	0.047
21	49.70	1323	0.051
22	53.90	1332	0.052

TABLE 4
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

75 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 10/1/2014</u>	<u>Field mv/m</u>
1	0.30	1035	395
2	0.60	1046	118
3	1.20	1054	76.0
4	1.30	1100	44.0
5	1.50	1107	32.0
6	1.70	1110	32.0
7	2.00	1117	34.3
8	4.00	1141	7.60
9	5.20	1147	2.90
10	6.50	1156	2.20
11	7.70	1209	1.05
12	8.40	1218	1.37
13	10.10	1235	0.70
14	10.60	1247	1.32
15	12.20	1305	0.78
16	12.80	1312	0.93
17	13.10	1319	0.64
18	13.70	1326	0.46
19	14.50	1334	0.53

75 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 10/1/2014</u>	<u>Field mv/m</u>
20	17.20	1343	0.295
21	19.70	1352	0.173
22	21.00	1359	0.184
23	21.90	1406	0.223
24	24.00	1411	0.140
25	27.10	1440	0.150
26	27.80	1447	0.170
27	29.20	1455	0.190
28	33.20	1502	0.133
29	38.10	1515	0.110

TABLE 5
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

135 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 10/6/2014</u>	<u>Field mv/m</u>
1	3.00	1043	44.0
2	4.10	1055	10.1
3	5.20	1103	3.48
4	6.30	1113	2.83
5	7.30	1121	3.45
6	7.95	1127	2.58
7	8.95	1134	1.71
8	9.50	1141	1.83
9	10.20	1151	1.12
10	12.00	1207	1.27
11	15.00	1234	0.405
12	16.45	1243	0.222
13	17.80	1251	0.340
14	19.80	1258	0.252
15	21.90	1310	0.322
16	25.60	1321	0.103
17	27.70	1330	0.094
18	30.70	1354	0.130
19	32.00	1400	0.122
20	34.70	1411	0.110

TABLE 6
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

155 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/6/2014	
1	0.30	1524	330
2	0.50	1529	305
3	0.60	1535	177.0
4	0.90	1539	118.0
5	2.30	1600	41.0
6	2.85	1606	32.5
7	4.10	1621	6.7
		10/8/2014	
8	5.25	938	2.85
9	6.70	944	1.83
10	6.95	953	2.05
11	7.60	959	2.62
12	9.65	1008	1.15
13	10.05	1014	1.61
14	11.15	1026	0.79
15	13.20	1036	0.64
16	14.60	1042	0.68
17	15.75	1049	0.56
18	17.80	1056	0.22
19	19.60	1106	0.32

155 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/8/2014	
20	22.20	1119	0.218
21	23.70	1129	0.220
22	24.70	1138	0.183
23	27.10	1151	0.085
24	29.00	1205	0.128
25	30.30	1217	0.120
26	31.50	1225	0.128
27	34.50	1241	0.077
28	36.60	1258	0.105
29	38.40	1307	0.100

TABLE 7
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

175 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/8/2014	
1	3.15	1354	24.5
2	3.50	1403	16.8
3	3.85	1409	27.7
4	5.45	1431	3.25
5	6.60	1450	1.55
6	7.50	1456	1.57
7	8.50	1504	1.88
8	8.95	1509	1.83
9	10.45	1517	1.65
10	11.80	1529	1.32
11	14.20	1540	0.95
12	14.95	1545	0.58
13	17.40	1554	0.49
14	19.30	1602	0.43
		10/9/2014	
15	20.80	1401	0.23
16	23.05	1410	0.39
17	25.80	1417	0.10
18	29.80	1427	0.15
19	30.90	1435	0.10

175 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/9/2014	
20	32.20	1445	0.130
21	34.05	1458	0.123
22	35.25	1509	0.137
23	36.75	1519	0.150

TABLE 8

FIELD STRENGTH MEASUREMENTS

0.5 KW DAYTIME DIRECTIONAL

WHOL(AM) 1600 KILOHERTZ

ALLENTOWN, PENNSYLVANIA

DECEMBER 2014

195 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 10/9/2014</u>	<u>Field mv/m</u>
1	0.35	929	310
2	0.55	935	195
3	0.80	943	148
4	1.00	949	117
5	1.20	954	102
6	1.45	959	84.0
7	1.80	1006	81.0
8	2.75	1013	41.5
9	3.00	1020	35.5
10	4.60	1030	18.3
11	5.35	1040	17.8
12	6.40	1047	15.9
13	7.20	1056	7.40
14	9.60	1106	3.80
15	12.15	1118	0.82
16	14.75	1127	0.64
17	16.70	1138	0.60
18	19.00	1149	0.61
19	22.25	1203	0.43

195 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/9/2014	
20	26.95	1226	0.205
21	29.70	1233	0.250
22	32.70	1242	0.215
23	36.80	1301	0.130
24	37.70	1307	0.100

TABLE 9

FIELD STRENGTH MEASUREMENTS

0.5 KW DAYTIME DIRECTIONAL

WHOL(AM) 1600 KILOHERTZ

ALLENTOWN, PENNSYLVANIA

DECEMBER 2014

215 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 10/13/2014</u>	<u>Field mv/m</u>
1	3.15	937	12.9
2	3.80	942	9.30
3	5.25	959	2.47
4	6.40	1006	2.90
5	7.60	1016	2.77
6	9.10	1028	2.25
7	9.80	1035	1.27
8	10.50	1039	1.77
9	11.75	1054	0.890
10	13.40	1100	0.595
11	15.40	1112	0.305
12	17.75	1121	0.190
13	19.60	1129	0.127
14	21.85	1139	0.067
15	24.05	1155	0.072
16	27.60	1221	0.074
17	29.60	1231	0.042
18	31.45	1242	0.038
19	36.20	1256	0.042
20	38.00	1305	0.058
21	39.50	1316	0.036

TABLE 10
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

235 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/13/2014	
1	0.30	1416	195
2	0.45	1420	173
3	1.20	1452	47.5
4	1.50	1505	25.3
5	2.00	1510	14.2
6	2.55	1515	9.60
7	2.85	1539	14.5
8	3.20	1544	11.3
9	4.30	1555	8.30
10	4.90	1602	6.20
11	5.55	1613	3.95
		10/14/2014	
12	5.90	943	2.62
13	6.40	950	3.48
14	6.75	956	2.33
15	7.45	1003	2.28
16	7.95	1011	1.97
17	9.10	1018	1.40
18	9.85	1024	0.95
19	11.50	1031	0.81

235 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/14/2014	
20	12.85	1039	0.790
21	14.05	1049	0.880
22	14.90	1055	0.620
23	17.55	1107	0.340
24	20.90	1119	0.245
25	23.60	1128	0.225
26	26.50	1137	0.102
27	28.70	1146	0.062
28	31.00	1201	0.052
29	34.75	1213	0.117
30	37.10	1228	0.052
31	39.20	1222	0.036

TABLE 11
FIELD STRENGTH MEASUREMENTS
0.5 KW DAYTIME DIRECTIONAL
WHOL(AM) 1600 KILOHERTZ
ALLENTOWN, PENNSYLVANIA
DECEMBER 2014

255 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/14/2014	
1	2.20	1344	16.5
2	3.20	1352	9.40
3	4.20	1400	3.70
4	5.70	1408	1.03
5	9.30	1455	0.43
6	11.15	1507	0.43
7	14.95	1528	0.46
8	15.40	1535	0.58
9	15.80	1541	0.48
10	17.10	1547	0.40
11	17.80	1554	0.42
		10/16/2014	
12	19.20	941	0.405
13	21.30	948	0.340
14	24.75	958	0.195
15	27.30	1009	0.135
16	30.00	1202	0.118
17	33.20	1031	0.092
18	37.00	1047	0.042

TABLE 12
FIELD STRENGTH MEASUREMENTS
1KW DAYTIME NON-DIRECTIONAL
WPDC(AM) 1600 KILOHERTZ
ELIZABETHTOWN, PENNSYLVANIA
DECEMBER 2014

45 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local) 10/30/2014</u>	<u>Field mv/m</u>
1	3.80	915	29.8
2	4.75	919	20.5
3	7.20	924	10.0
4	9.20	932	3.38
5	10.90	940	1.61
6	11.90	950	1.22
7	12.40	1005	1.22
8	13.30	1010	0.86
9	16.15	1020	0.98
10	17.75	1027	0.69
11	19.10	1035	0.72
12	20.05	1059	0.94
13	22.20	1109	0.44
14	24.95	1120	0.64
15	27.25	1128	0.52
16	30.50	1137	0.46
17	32.90	1147	0.35
18	36.80	1159	0.23
19	40.25	1209	0.27

45 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		10/30/2014	
20	43.30	1218	0.215
21	45.30	1228	0.210
22	47.70	1237	0.105
23	55.00	1253	0.038
24	56.90	1304	0.034
25	58.20	1310	0.037
26	60.60	1320	0.037
27	64.90	1333	0.031
28	67.40	1400	0.040
29	70.90	1409	0.037
30	73.80	1419	0.030
31	77.90	1428	0.021
32	81.20	1439	0.018

TABLE 13

FIELD STRENGTH MEASUREMENTS

1KW DAYTIME NON-DIRECTIONAL

WPDC(AM) 1600 KILOHERTZ

ELIZABETHTOWN, PENNSYLVANIA

DECEMBER 2014

65 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u> 11/3/2014	<u>Field mv/m</u>
1	1.70	845	95.0
2	2.80	850	91.0
3	3.30	854	29.5
4	4.20	900	25.3
5	5.60	905	23.2
6	6.60	910	16.5
7	7.90	919	13.3
8	9.10	925	9.30
9	9.80	930	10.0
10	12.00	934	0.35
11	12.80	939	3.10
12	13.80	946	2.47
13	19.50	1002	0.61
14	23.95	1022	0.34
15	24.40	1027	0.34
16	25.30	1032	0.35
17	26.15	1038	0.39
18	28.25	1046	0.54
19	29.75	1052	0.34

65 DEGREES TRUE RADIAL

<u>Point Number</u>	<u>Distance km</u>	<u>Date/Time (local)</u>	<u>Field mv/m</u>
		11/3/2014	
20	31.40	1100	0.190
21	33.00	1114	0.395
22	34.20	1120	0.235
23	36.90	1130	0.108
24	41.30	1150	0.071
25	45.30	1208	0.058
26	51.80	1247	0.070
27	57.20	1301	0.092
28	59.50	1337	0.105
29	63.30	1411	0.095
30	67.00	1419	0.100
31	70.70	1427	0.095
32	73.20	1434	0.061