Exhibit 1-A

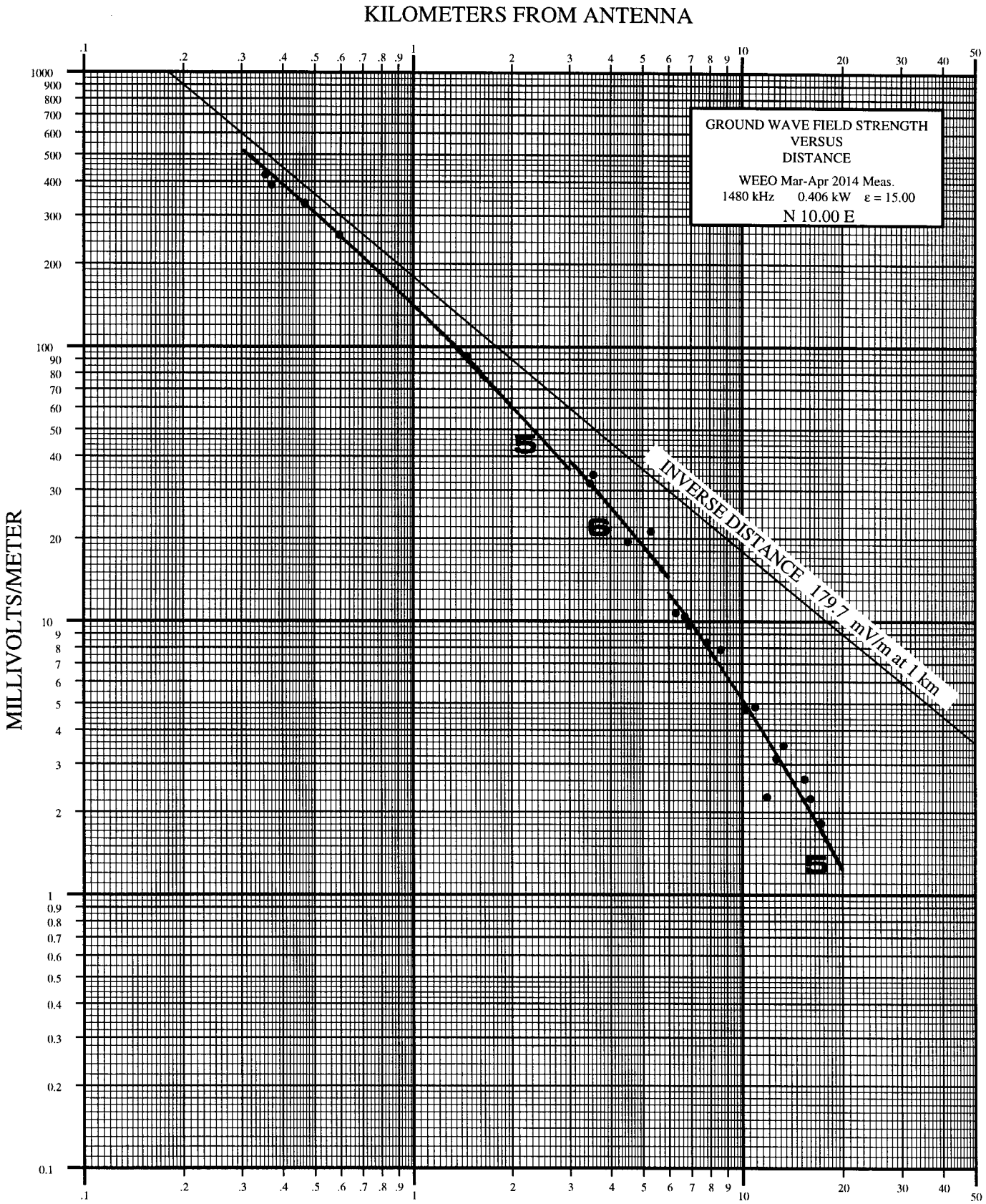
Tabulation of Field Intensity Measurement Data
WEEO Measurement Bearing N 010.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

WEEO 1480 kHz 0.406 kW-D Shippensburg, PA. WEEO Bearing N 010.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description	Meas. Times	Date:Time Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	0.0189	0.0304	5200.000	Tape measured 100 ft from WEEO antenna	03212014	:1508	Tape Measured, DNA
2	0.0284	0.0457	3780.000	Tape measured 150 ft from WEEO antenna	"	:1506	" " "
3	0.0379	0.0610	2710.000	Tape measured 200 ft from WEEO antenna	"	:1508	" " "
4	0.0800	0.1287	1010.000	Mud Spg. Rd near PA 696; in line w/doors to shed (elv 693 ft)	"	:1228	40,04,34.4-77,32,08.0
5	0.2200	0.3541	422.000	Middle Spg. Storage;stump near unit A9 (Rt696) (elv 690 ft)	"	:1243	40,04,41.5-77,32,07.1
6	0.2300	0.3701	387.000	Mailbox 1007 PA Rt 696 (elv 690 ft)	"	:1235	40,04,41.7-77,32,06.3
7	0.2900	0.4667	332.000	RHS #3 Roger Ave. near hedge (elv 697 ft)	"	:1248	40,04,44.7-77,32,05.2
8	0.3700	0.5955	254.000	Mailbox/driveway 85 Diller Dr. (elv 677 ft)	"	:1259	40,04,48.7-77,32,03.2
9	0.9100	1.4645	92.000	GPS loc. on Gephart Rd. near two large rocks (elv 685 ft)	"	:1306	40,05,16.7-77,31,58.4
10	2.1500	3.4601	31.800	Across from box 992 Ridge Rd. (elv 763 ft)	"	:1311	40,06,20.1-77,31,43.5
11	2.2000	3.5406	34.200	Byers Rd. & Ridge Rd., in yard near stop sign (elv 712 ft)	"	:1332	40,06,22.8-77,31,41.8
12	2.8000	4.5062	19.400	Unmarked black mailbox on Fox Hill Rd (elv 701 ft)	"	:1340	40,06,53.5-77,31,35.8
13	3.2900	5.2947	21.200	Driveway 206 Jumper Rd. (elv 673 ft)	"	:1346	40,07,18.5-77,31,29.7
14	3.9100	6.2925	10.700	Across from pole 33 on Fox Hill Rd. (elv 572 ft)	04082014	:1541	40,07,50.6-77,31,24.0
15	4.1700	6.7110	10.400	GPS location on East Creek Road (near stream) (elv 619 ft)	"	:1538	40,08,03.6-77,31,21.7
16	4.2900	6.9041	9.650	Covered Bridge Rd., acr. & between poles 8 & 9 (elv 585 ft)	"	:1531	40,08,10.1-77,31,18.7
17	4.8600	7.8214	8.350	Mailbox 466 PA Rt 641 (wb) (elv 616 ft)	"	:1523	40,08,39.2-77,31,11.5
18	5.3500	8.6100	7.850	Driveway 84 Quigley Rd., 50 ft in (elv 658 ft)	"	:1552	40,09,04.3-77,31,05.7
19	6.3300	10.1871	4.750	Lesher Rd near int. w/Mtn. Rd., S side of bridge (elv 617 ft)	"	:1558	40,09,55.0-77,30,54.0
20	6.7900	10.9274	4.850	Park Hill Rd. in cleared parking area (elv 654 ft)	"	:1608	40,10,16.9-77,30,41.1
21	7.3700	11.8609	2.270	Eberly Rd across from pole 6 (caution-beehives) (elv 721 ft)	"	:1617	40,10,47.9-77,30,42.8
22	7.8600	12.6494	3.140	Gobbler Knob Rd. diag. cross from pole 18 (elv 667 ft)	"	:1624	40,11,13.1-77,30,36.0
23	8.2600	13.2932	3.500	Gobbler Knob Rd 100 ft SE of inters w/Roxbury Rd (elv 720 ft)	"	:1628	40,11,33.6-77,30,31.8
24	9.5500	15.3692	2.640	Near driveway 832 Mountain Rd. (elv 808 ft)	"	:1634	40,12,39.4-77,30,16.3
25	9.9500	16.0130	2.240	0.25 mi N of driveway 30 Woods Rd. (elv 888 ft)	"	:1639	40,12,59.7-77,30,13.6
26	10.7000	17.2200	1.820	Pine Lane in pull off on mountain (elv 1009 ft)	"	:1646	40,13,37.1-77,30,04.7

Weather Information 03212014: 46 deg., PC; 04082014: 60 deg., cloudy
Measured by R. Morgan Burrow & Eric Swidler using Potomac Inst. FIM-41, cal. 12 Jul. 2013
Elevations feet amsl. GPS datum NAD27 CONUS

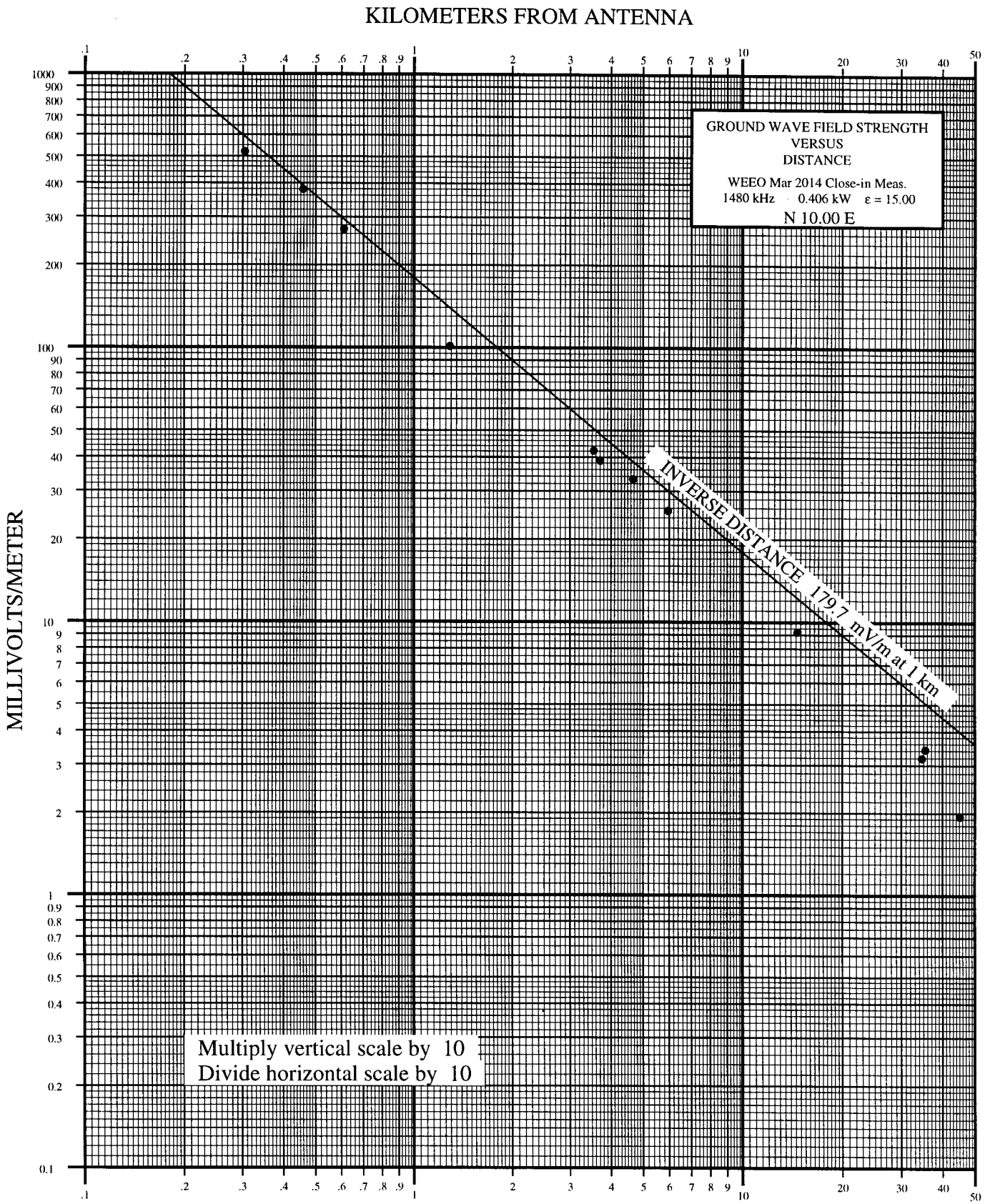


WEEO Bearing N 010.0 E

Radio Station WEEO
Shippensburg, Pennsylvania
1480 kHz 0.009/0.41 kW ND-2-U

R. Morgan Burrow, Jr., P.E.
Everett, Pennsylvania 15537

Exhibit 1-B
April 2014



Bearing N 010 E Close In

Radio Station WEEO
Shippensburg, Pennsylvania
1480 kHz 0.009/0.41 kW ND-2-U

R. Morgan Burrow, Jr., P.E.
Everett, Pennsylvania 15537

Exhibit 1-C
April 2014

Exhibit 2-A

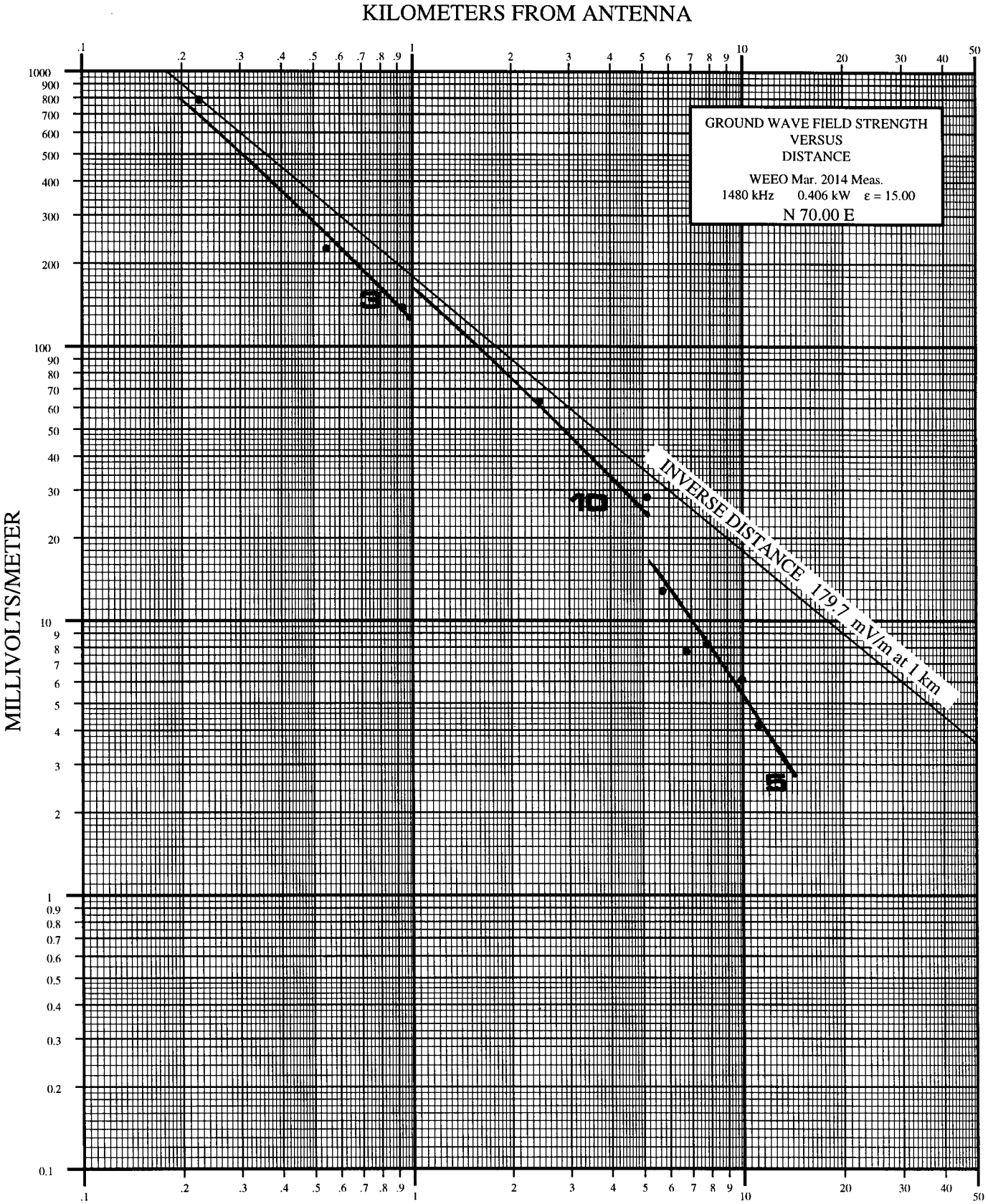
Tabulation of Field Intensity Measurement Data
WEEO Measurement Bearing N 070.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

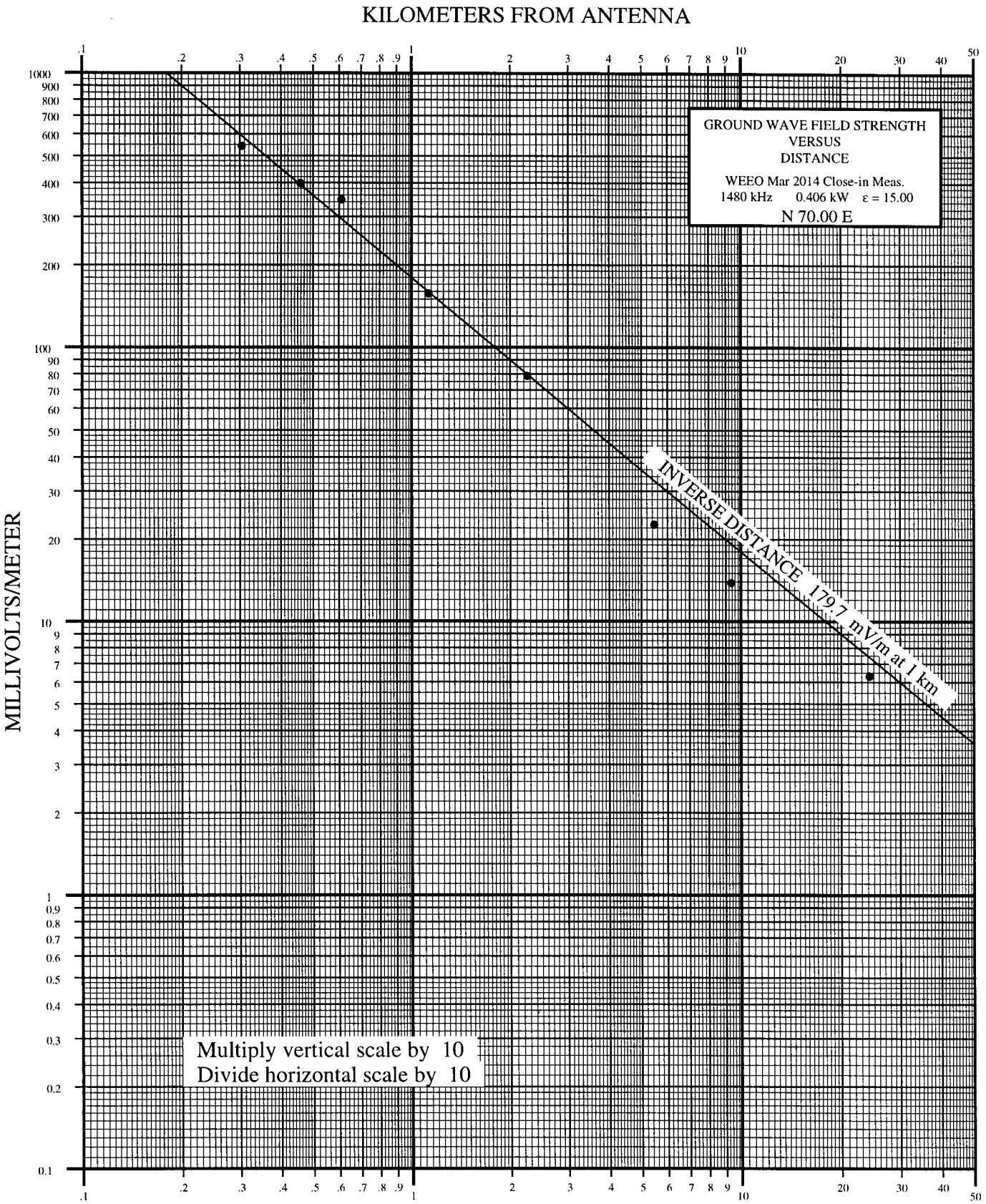
WEEO 1480 kHz 0.406 kw-D Shippensburg PA. WEEO Bearing N 070.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Date:Time Times Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	0.0189	0.0304	5425.000	Tape Measured 100 ft from WEEO antenna	(elv 670 ft)	03212014:1628	DNA - Tape measured
2	0.0284	0.0457	3975.000	Tape Measured 150 ft from WEEO antenna	(elv 670 ft)	" :1630	" " " "
3	0.0379	0.0610	3460.000	Tape Measured 200 ft from WEEO antenna	(elv 670 ft)	" :1631	" " " "
4	0.0700	0.1127	1570.000	Sign/Culvert N side Rt 696 near WEEO antenna	(elv 657 ft)	" :1656	40,04,31.1-77,32,04.5
5	0.1400	0.2253	785.000	Telco riser near #9 Hilltop Drive (culdesac)	(elv 728 ft)	" :1704	40,04,31.8-77,31,59.7
6	0.3400	0.5472	226.000	20 ft in front of box 1057 Mud Level Rd.	(elv 685 ft)	" :1709	40,04,35.9-77,31,46.9
7	0.5800	0.9334	138.000	300 ft down dirt drvy off Mud Level Rd.	(elv 721 ft)	" :1721	40,04,40.7-77,31,31.9
8	1.5100	2.4301	63.000	Britton Rd in field, 100 ft N of box 605	(elv 700 ft)	" :1729	40,04,55.9-77,30,32.0
9	3.2000	5.1499	28.200	Duncan Rd., drvy. to church/graveyard	(elv 716 ft)	" :1737	40,05,27.2-77,28,44.2
10	3.5600	5.7293	12.800	Across from pole 188079 on SR533 (Newville Rd.)	(elv 716 ft)	" :1752	40,05,33.7-77,28,21.8
11	4.2000	6.7592	7.700	Near mailbox 115 Brown Rd.	(elv 689 ft)	" :1756	40,05,45.1-77,27,41.0
12	4.8700	7.8375	8.200	Across from #40 Koser Rd. in field	(elv 696 ft)	" :1802	40,05,57.0-77,26,58.0
13	6.1700	9.9297	6.100	Oakville Rd. & US Rt 11 NW corner in driveway	(elv 738 ft)	" :1812	40,06,19.6-77,25,34.5
14	6.9200	11.1367	4.150	Stoughstown Rd. across from pole 11	(elv 671 ft)	" :1819	40,06,33.7-77,24,46.8

Weather Information 03212014: 46-52 deg., cloudy
Measured by R. Morgan Burrow Jr. using Potomac Inst. FIM-41 s/n 331, cal. 12 Jul. 2013
Elevations feet amsl. GPS datum NAD27 CONUS.



WEEO Bearing N 070.0 E **Radio Station WEEO** **Shippensburg, Pennsylvania** **1480 kHz 0.009/0.41 kW ND-2-U**	**R. Morgan Burrow, Jr., P.E.** **Everett, Pennsylvania 15537** **Exhibit 2-B** **April 2014**



Bearing N 070 E Close In

Radio Station WEEO
Shippensburg, Pennsylvania
1480 kHz 0.009/0.41 kW ND-2-U

R. Morgan Burrow, Jr., P.E.
Everett, Pennsylvania 15537

Exhibit 2-C
April 2014

Exhibit 3-A

Tabulation of Field Intensity Measurement Data
WEEO Measurement Bearing N 130.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

WEEO 1480 kHz 0.406/0.009 kw ND-2-U Shippensburg PA. WEEO Bearing N 130.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Date:Time Times Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	0.0189	0.0304	5650.000	Tape measured 100 ft from WEEO antenna	(elv 670 ft)	03212014:1720	DNA - Tape measured
2	0.0284	0.0457	3975.000	Tape measured 150 ft from WEEO antenna	(elv 665 ft)	" :1723	" " " "
3	0.0379	0.0610	2910.000	Tape measured 200 ft from WEEO antenna	(elv 660 ft)	" :1724	" " " "
4	0.0473	0.0761	2420.000	Tape measured 250 ft from WEEO antenna	(elv 655 ft)	" :1733	" " " "
5	0.0521	0.0838	2100.000	Tape measured 275 ft from WEEO antenna	(elv 650 ft)	" :1735	" " " "
6	0.1100	0.1770	1220.000	West drvy 805 PA Rt 696	(elv 635 ft)	08102013:1336	40,04,26.5-77,32,03.1
7	0.1800	0.2897	810.000	Diag. acr. from box 1100 Mud Level Rd.	(elv 630 ft)	" :1332	40,04,23.7-77,31,59.6
8	0.4600	0.7403	218.000	Fogelsonger Rd btwn narrow br sign & fence corn	(elv 620 ft)	" :1324	40,04,13.7-77,31,46.2
9	0.8700	1.4001	108.000	Ship. Univ. Lot L-1 NW corner	(elv 655 ft)	" :1308	40,04,00.9-77,31,23.9
10	1.0600	1.7059	78.000	Ship. Univ; Adams Dr near pavilions (meas in rd)	(elv 665 ft)	" :1254	40,03,54.2-77,31,14.5
11	1.1700	1.8829	55.000	Ship. Univ., doctor park space near hydrant	(elv 690 ft)	" :1259	40,04,49.0-77,31,07.5
12	1.4200	2.2853	48.000	Britton Rd., soccer field lot near creek	(elv 660 ft)	" :1246	40,03,43.7-77,30,53.9
13	1.8400	2.9612	35.200	US 11 SB, back, lot next to Advance Auto Parts	(elv 660 ft)	" :1353	40,03,27.8-77,30,34.2
14	1.9000	3.0578	29.700	Across from H&H Auto & CVS in large lot	(elv 655 ft)	" :1236	40,03,27.9-77,30,27.8
15	1.9900	3.2026	26.800	Mailbox 613 E. Orange St.	(elv 705 ft)	" :1359	40,03,23.1-77,30,26.0
16	2.2000	3.5406	31.700	Driveway 618 Brenton St.	(elv 730 ft)	" :1404	40,03,15.9-77,30,15.1
17	2.2700	3.6532	29.200	LHS 620 Brad St.	(elv 765 ft)	" :1408	40,03,14.0-77,30,10.8
18	2.5300	4.0716	22.700	Drvy to Shippensburg Int School near large sign	(elv 725 ft)	" :1418	40,03,05.0-77,29,57.2
19	2.8100	4.5223	19.300	RHS Hickory La at telco riser	(elv 750 ft)	" :1431	40,02,56.1-77,29,43.0
20	3.0500	4.9085	16.600	Lantern La near int w/Rustic Dr. (gate)	(elv 765 ft)	" :1443	40,02,47.0-77,29,31.5
21	3.9000	6.2764	11.800	Inters. Freedom & Independence Drives	(elv 820 ft)	" :1459	40,02,19.1-77,28,46.7
22	4.1500	6.6788	10.200	92 Independence Dr, mailbox	(elv 870 ft)	" :1452	40,02,11.0-77,28,33.3
23	4.9000	7.8858	6.950	Diag. acr. from box 72 Whitehouse Rd in field	(elv 900 ft)	" :1506	40,01,45.4-77,27,54.4
24	5.1400	8.2720	5.250	Driveway 455 Whitmer Rd.	(elv 965 ft)	" :1513	40,01,37.7-77,27,41.5
25	5.9800	9.6239	1.430	LHS of pole 17 in clearing on state forest rd	(elv 1075 ft)	" :1521	40,01,09.3-77,26,58.5
26	6.1800	9.9457	1.000	Near bridge on state forest road	(elv 1145 ft)	" :1549	40,01,00.4-77,25,51.0
27	7.4100	11.9252	1.420	GPS location on state forest road	(elv 1730 ft)	" :1559	40,00,31.0-77,25,33.4
28	7.9600	12.8104	1.280	GPS loc. on state forest road near top of mtn	(elv 2005 ft)	" :1604	40,00,12.5-77,25,05.2
29	8.2900	13.3415	1.220	Shippensburg Rd. across from pole 165	(elv 1950 ft)	" :1536	39,59,53.9-77,25,03.8
30	8.3400	13.4219	1.000	Ridge Rd. pp. 0.1 mi SE of stop sign	(elv 2025 ft)	" :1708	39,59,50.3-77,24,55.8
31	9.3300	15.0152	0.640	Shippensburg Rd acr & btwn poles 23 & 24	(elv 1325 ft)	" :1654	39,59,16.6-77,24,04.1
32	10.3000	16.5762	0.207	Inters. Norris Rd. & PA Rt 233	(elv 1430 ft)	" :1648	39,59,42.1-77,23,13.4

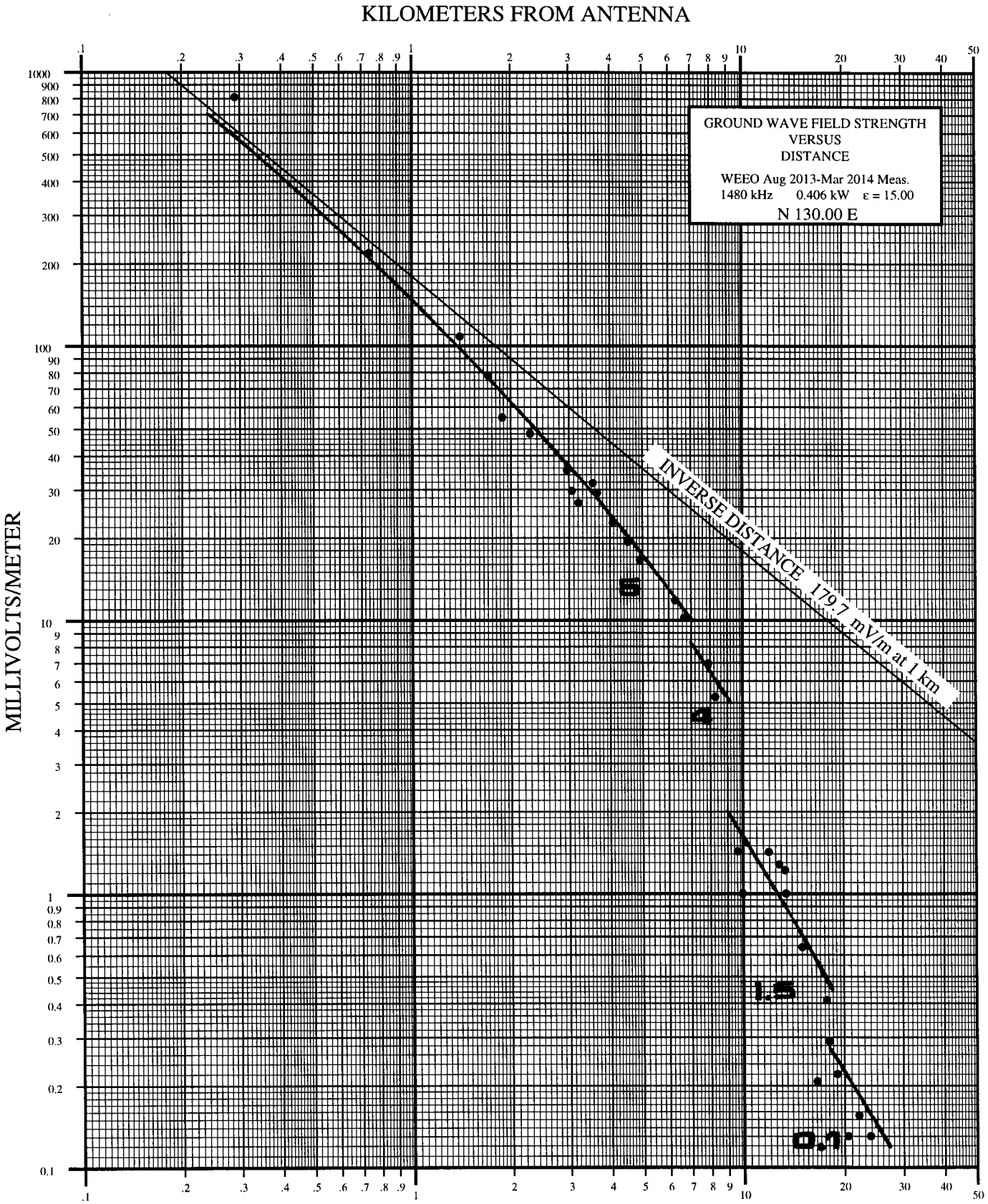
Exhibit 3-A (continued)
WEEO Measurement Bearing N 130.0 E

R. Morgan Burrow Jr., P.E.
2439 French Creek Road, Everett, PA 15537

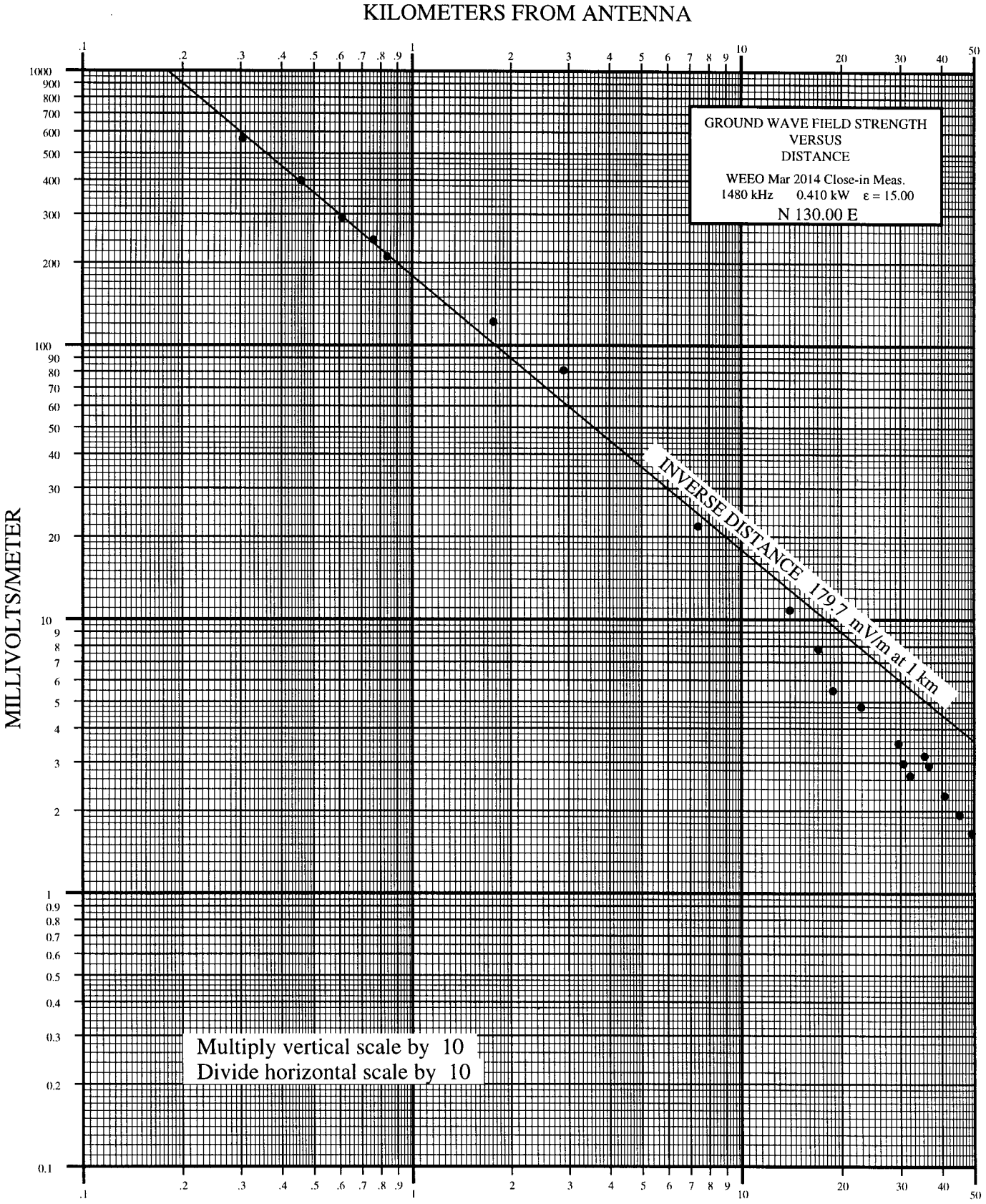
WEEO 1480 kHz 0.406/0.009 kw ND-2-U Shippensburg PA. WEEO Bearing N 130.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Times	Date:Time Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
33	11.0000	17.7028	0.410	GPS loc. on Piney Mtn. Ridge Rd. (wires)	(elv 1610 ft)	08102013"	:1724	39,58,19.6-77,22,38.1
34	11.2000	18.0247	0.290	Dead end of Crimson Lane	(elv 1640 ft)	"	:1719	39,58,10.9-77,22,31.3
35	11.8000	18.9903	0.220	Driveway 96 Wenksville Road	(elv 1390 ft)	"	:1734	39,57,54.5-77,21,57.5
36	12.7000	20.4387	0.130	Front of 125 Boyds Hollow Rd	(elv 1020 ft)	"	:1741	39,57,23.1-77,21,07.0
37	13.7000	22.0480	0.155	Across from pole 2 on Nawanka Rd.	(elv 920 ft)	"	:1751	39,56,49.7-77,20,18.9
38	14.8000	23.8183	0.130	GPS loc. on Excelsior Rd (apple orchard)	(elv 835 ft)	"	:1758	39,56,13.0-77,19,21.5

Weather Information 03212014: 45 deg., clear; 08102013: 83 deg., PC
Measured by R. Morgan Burrow Jr. using Potomac Inst. FIM-41 s/n 331, cal. 12 Jul. 2013
Elevations feet AMSL. GPS datum NAD27 CONUS



WEEO Bearing N 130.0 E	R. Morgan Burrow, Jr., P.E.
Radio Station WEEO Shippensburg, Pennsylvania 1480 kHz 0.009/0.41 kW ND-2-U	Everett, Pennsylvania 15537 **Exhibit 3-B** April 2014



Bearing N 130 E Close In **Radio Station WEEO** **Shippensburg, Pennsylvania** **1480 kHz 0.009/0.41 kW ND-2-U**	**R. Morgan Burrow, Jr., P.E.** **Everett, Pennsylvania 15537** **Exhibit 3-C** **April 2014**

Exhibit 4-A

Tabulation of Field Intensity Measurement Data
WEEO Measurement Bearing N 190.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

WEEO 1480 kHz Shippensburg, PA 2012-2014 Meas. WEEO Bearing N 190.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Times	Date:Time Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	0.0189	0.0304	5775.000	Tape measured 100 ft from WEEO antenna		03202014	:1614	DNA - Close In Data
2	0.0284	0.0457	3850.000	Tape measured 150 ft from WEEO antenna		"	:1619	" " " "
3	0.0379	0.0610	2830.000	Tape measured 200 ft from WEEO antenna		"	:1621	" " " "
4	0.0473	0.0761	2280.000	Tape measured 250 ft from WEEO antenna		"	:1629	" " " "
5	0.0568	0.0914	1840.000	Tape measured 300 ft from WEEO antenna		"	:1631	" " " "
6	0.0663	0.1067	1520.000	Tape measured 350 ft from WEEO antenna		"	:1632	" " " "
7	0.0758	0.1220	1310.000	Tape measured 400 ft from WEEO antenna		"	:1634	" " " "
8	0.0852	0.1371	1160.000	Tape measured 450 ft from WEEO antenna		"	:1644	" " " "
9	0.0947	0.1524	1040.000	Tape measured 500 ft from WEEO antenna		"	:1645	" " " "
10	0.1042	0.1677	980.000	Tape measured 550 ft from WEEO antenna		"	:1647	" " " "
11	0.1136	0.1828	940.000	Tape measured 600 ft from WEEO antenna		"	:1649	" " " "
12	0.2900	0.4667	323.000	Across from box 35 Fish Hatchery Rd.	(elv 656 ft)	08162013	:1257	40,04,15.2-77,32,12.7
13	1.0700	1.7220	129.000	Driveway 11501/11475 Burd Rd.	(elv 719 ft)	"	:1311	40.03,25.2-77,32,21.3
14	1.1300	1.8186	94.000	Across from hydrant 11422 Burd Rd.	(elv 715 ft)	"	:1306	40,03,31.9-77,32,22.3
15	1.3900	2.2370	65.000	Across from box 767A-D Roxbury Rd. in driveway	(elv 717 ft)	"	:1319	40,03,18.5-77,32,25.4
16	1.4700	2.3657	63.500	Front of 826 Crescent	(elv 742 ft)	"	:1322	40,03,14.5-77,32,26.5
17	1.5700	2.5267	69.500	LHS of 625 Prospect	(elv 735 ft)	"	:1325	40,03,09.8-77,32,28.3
18	1.7300	2.7842	51.000	Across from box 612 Westover (traffic sign)	(elv 676 ft)	"	:1331	40,03,01.5-77,32,29.3
19	1.7700	2.8485	39.700	Across from box/driveway 517 N. Morris St.	(elv 693 ft)	"	:1345	40,02,59.3-77,32,29.4
20	1.8400	2.9612	45.700	RHS of storage garage 17 (next to 580 N Morris)	(elv 694 ft)	"	:1337	40,02,55.4-77,32,29.3
21	2.1800	3.5084	43.700	Dead end of Baker-Russell near hydrant & corn	(elv 700 ft)	"	:1410	40,02,37.9-77,32,33.0
22	2.2700	3.6532	39.000	Shippensburg HS lot, space 81	(elv 711 ft)	"	:1400	40,02,34.0-77,32,37.7
23	2.6100	4.2004	26.200	1075 W King St., S Side Cressler Plaza	(elv 783 ft)	"	:1425	40,02,16.2-77,32,40.7
24	3.1500	5.0694	15.800	Dead end of Forest Ridge Dr. (box 9554)	(elv 826 ft)	"	:1445	40,01,47.9-77,32,38.9
25	4.4400	7.1455	10.900	Near box 604 Mt. Rock Rd, across from pole 23	(elv 770 ft)	"	:1434	40,00,42.3-77,33,00.4
26	6.1500	9.8975	5.950	Driveway 5730 Olde Scotland Road	(elv 765 ft)	"	:1516	39,59,14.6-77,33,18.1
27	6.2700	10.0906	5.750	Box 5905 Olde Scotland Road	(elv 806 ft)	"	:1520	39,59,08.7-77,33,24.6
28	6.7700	10.8953	5.600	Coldstream Rd across from unmarked pole	(elv 788 ft)	"	:1528	39,58,42.8-77,33,28.1
29	7.2400	11.6517	6.400	Across from pole 32 on Orchard Rd.	(elv 837 ft)	"	:1541	39,58,18.7-77,33,33.1
30	8.7000	14.0013	3.580	PA Rt 997 NB, cemetery, Curtis stone	(elv 896 ft)	"	:1551	39,57,03.8-77,33,50.8
31	9.1100	14.6611	3.310	Hafer Rd, 50 ft E of driveway 2628	(elv 856 ft)	"	:1556	39,56,43.3-77,33,56.4
32	10.0000	16.0934	2.550	300 ft W of driveway 3269 Cook Rd.	(elv 787 ft)	"	:1609	39,55,56.2-77,34,07.1

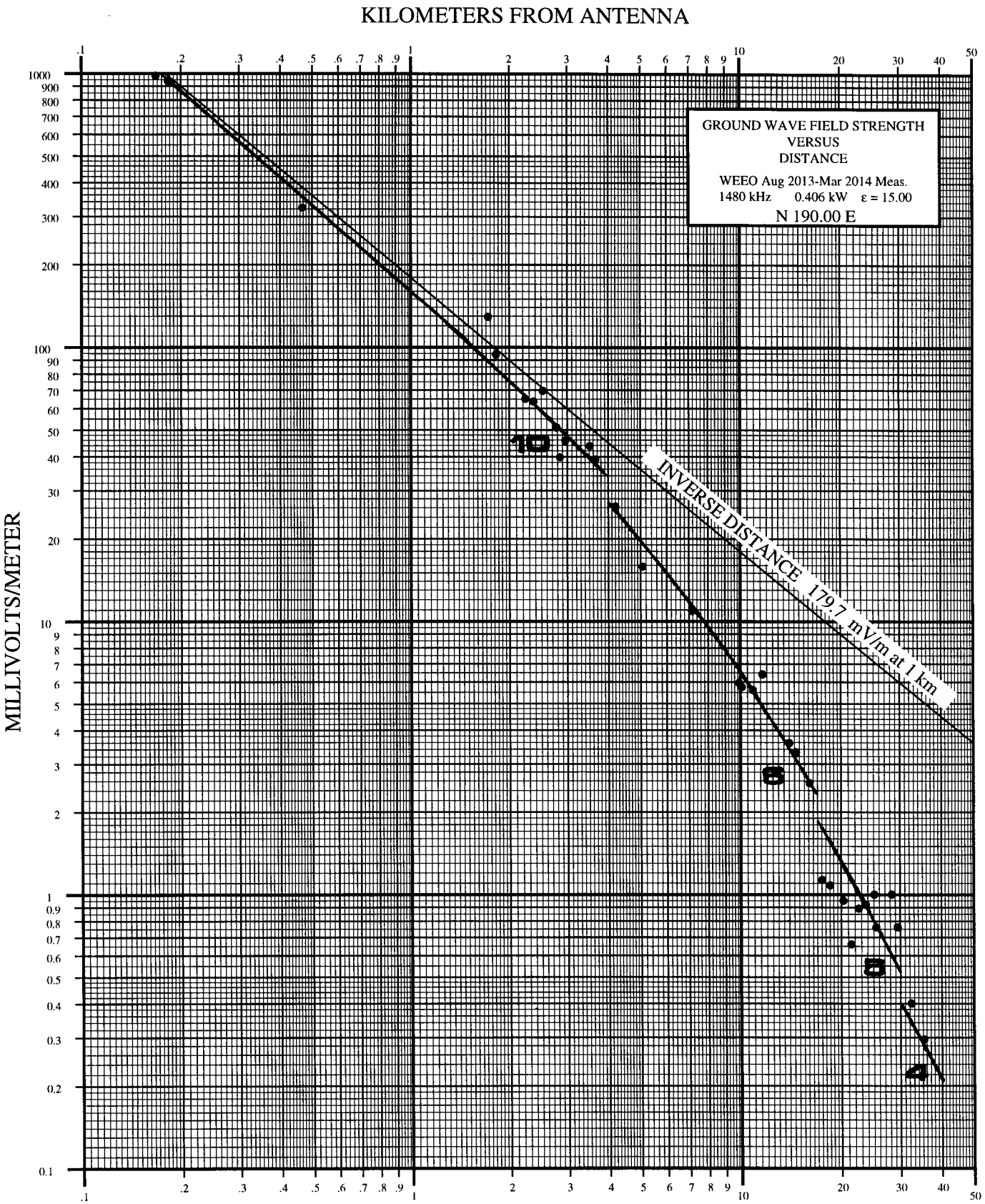
Exhibit 4-A (continued)
WEEO Measurement Bearing N 190.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

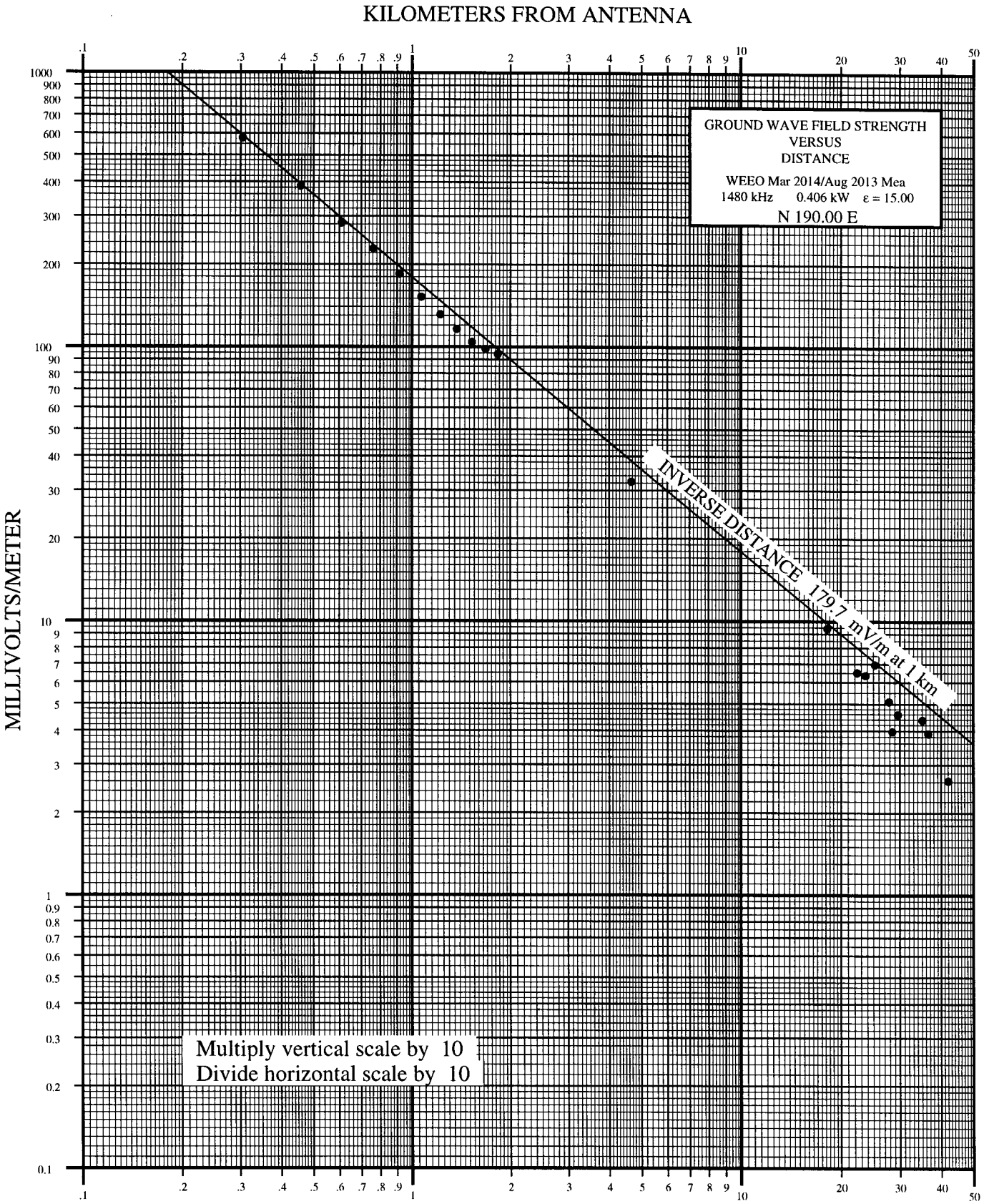
WEEO 1480 kHz Shippensburg, PA 2012-2014 Meas. WEEO Bearing N 190.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Date:Time Times Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
33	10.9000	17.5418	1.130	Front of 65 Shadle Drive	(elv 793 ft)	08162013:1604	39,55,12.6-77,34,16.9
34	11.5000	18.5075	1.080	Norlo Park (off US 30), SE corner of back lot	(elv 815 ft)	07092012:1536	39,54,41.3-77,34,26.1
35	12.6000	20.2777	0.950	Stump La. near inters. w/Spring Rd.	(elv 800 ft)	" :1550	39,53,40.2-77,34,38.0
36	13.3000	21.4043	0.660	Duffield Rd. across from pole 70D15	(elv 835 ft)	" :1617	39,53,04.4-77,34,45.2
37	14.0000	22.5308	0.890	Across from pole 256215/95 on Brechbill Loop Rd	(elv 880 ft)	" :1627	39,52,30.7-77,34,52.1
38	14.7000	23.6574	0.920	Behind pole 119 1/2 in drvy. on SR2021	(elv 890 ft)	" :1610	39,51,53.9-77,35,03.6
39	15.6000	25.1058	1.000	In driveway 4711 Yohe Road	(elv 880 ft)	" :1650	39,51,08.1-77,35,12.4
40	15.8000	25.4276	0.760	Altenwald Rd app 100 ft E of int w/Stamey Hill Rd	(elv 855 ft)	" :1645	39,50,58.2-77,35,15.8
41	17.6000	28.3245	1.000	Across from 5166 Manheim Rd.	(elv 835 ft)	" :1802	39,49,26.5-77,35,35.4
42	18.3000	29.4510	0.760	Across from 5355 Hess-Benedict Rd	(elv 870 ft)	" :1708	39,48,47.8-77,35,44.3
43	20.1000	32.3478	0.400	PA Rt 316 across from int w/Wharf Rd	(elv 740 ft)	" :1750	39,47,16.8-77,36,06.6
44	21.9000	35.2446	0.295	Cold Spring Rd app. 0.1 mi S of PA Rt 16	(elv 675 ft)	" :1736	39,45,45.5-77,36,22.6

Weather Information 03202014: 45 deg., clear; 08162013: 79 deg clear to PC; 07092012: 85 deg. PC
Measured by R. Morgan Burrow Jr. using Potomac Inst. FIM-21 s/n 627, cal. 16 Nov. 2005
Elevations in feet AMSL. GPS datum NAD27 CONUS.



WEEO Bearing N 190.0 E **Radio Station WEEO** **Shippensburg, Pennsylvania** **1480 kHz 0.009/0.41 kW ND-2-U**	**R. Morgan Burrow, Jr., P.E.** **Everett, Pennsylvania 15537** **Exhibit 4-B** **April 2014**



Bearing N 190 E Close In

Radio Station WEEO
Shippensburg, Pennsylvania
1480 kHz 0.009/0.41 kW ND-2-U

R. Morgan Burrow, Jr., P.E.
Everett, Pennsylvania 15537

Exhibit 4-C
April 2014

Exhibit 5-A

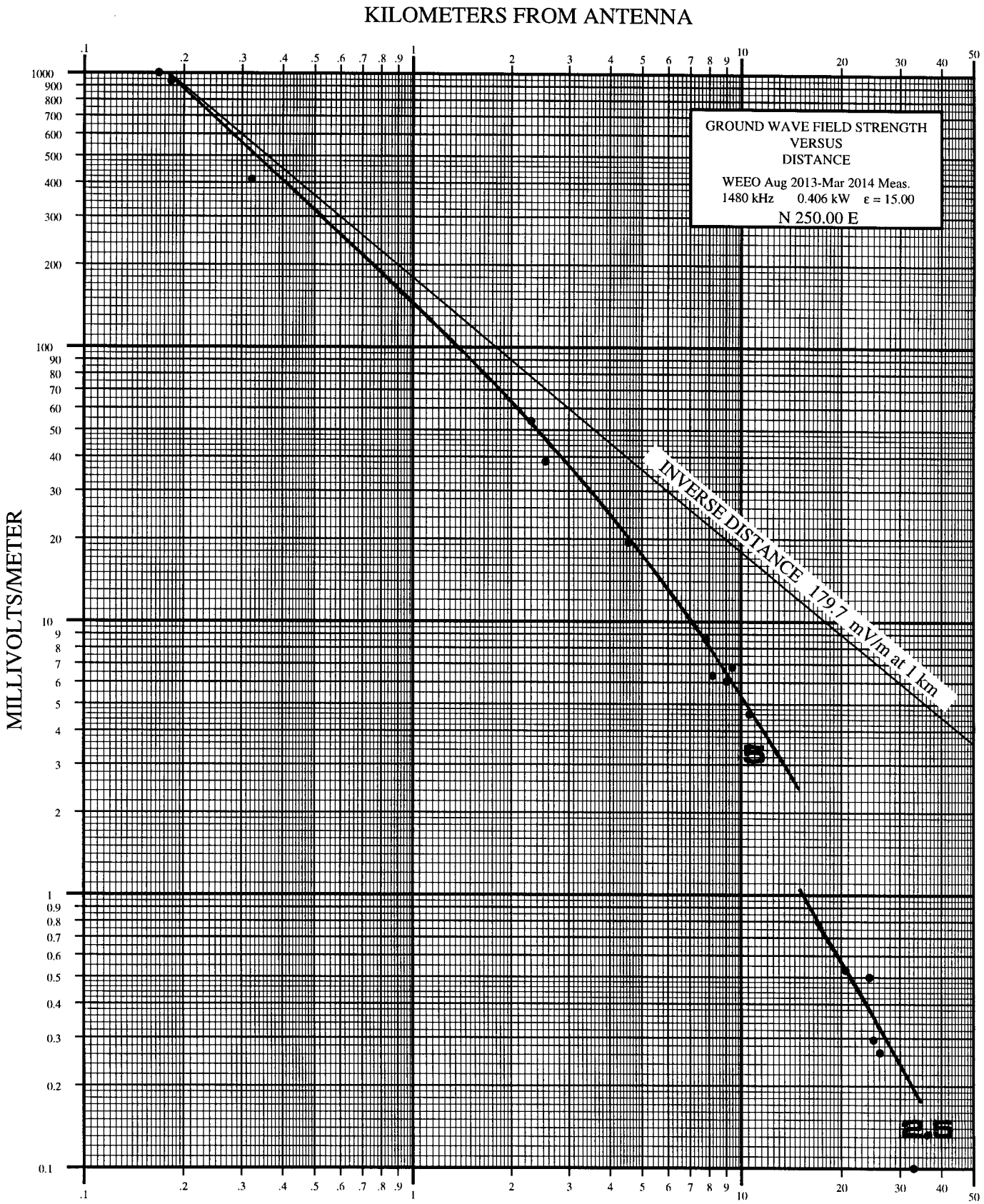
Tabulation of Field Intensity Measurement Data
WEEO Measurement Bearing N 250.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

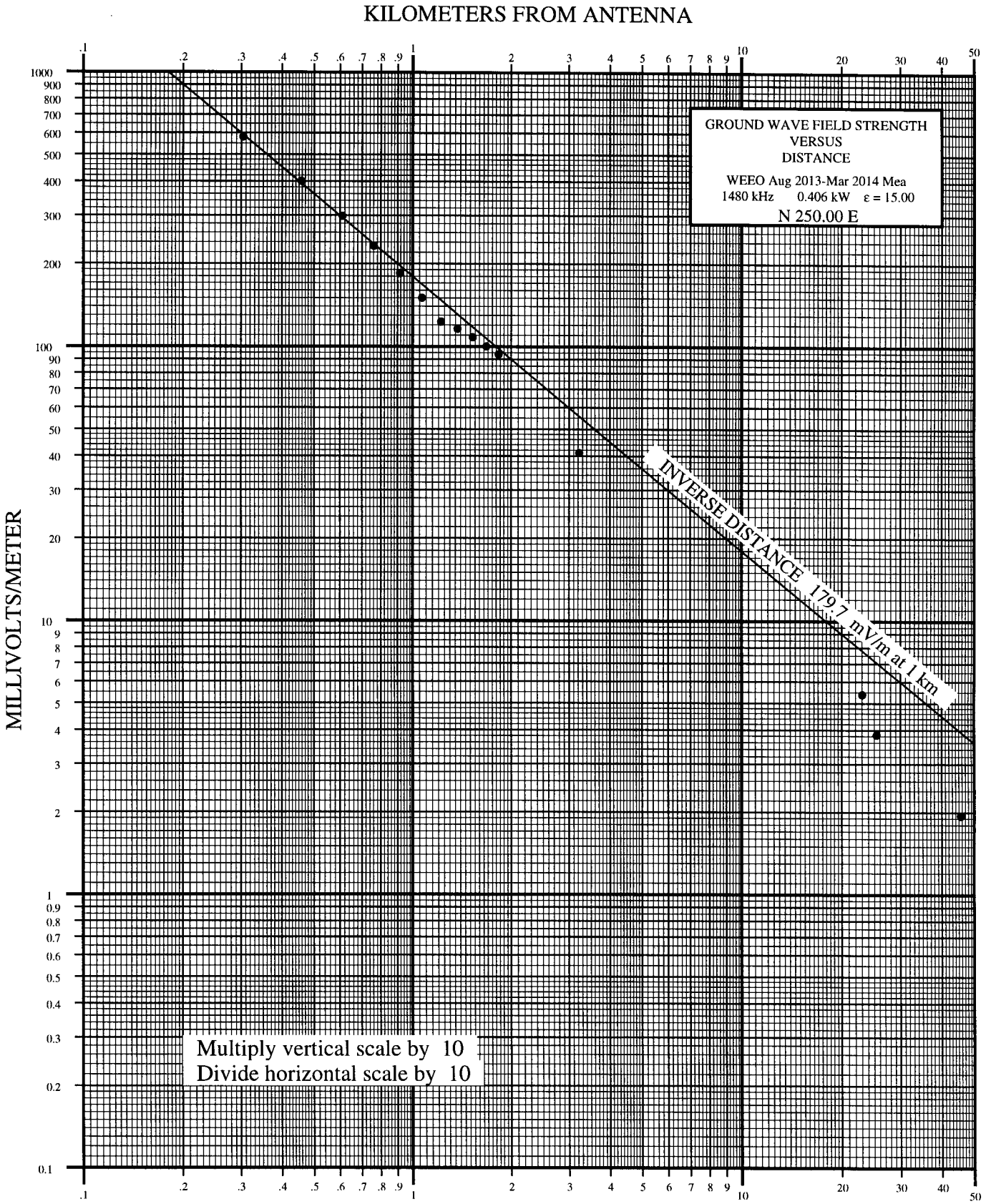
WEEO 1480 kHz 0.406 kW-D Shippensburg, PA. WEEO Bearing N 250.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Date:Time Times Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	0.0189	0.0304	5800.000	Tape measured 100 ft from WEEO antenna		03202014:1411	Tape measured -DNA
2	0.0284	0.0457	4000.000	Tape measured 150 ft from WEEO antenna		" :1412	" " "
3	0.0379	0.0610	2980.000	Tape measured 200 ft from WEEO antenna		" :1414	" " "
4	0.0473	0.0761	2320.000	Tape measured 250 ft from WEEO antenna		" :1429	" " "
5	0.0568	0.0914	1840.000	Tape measured 300 ft from WEEO antenna		" :1432	" " "
6	0.0663	0.1067	1500.000	Tape measured 350 ft from WEEO antenna		" :1435	" " "
7	0.0758	0.1220	1230.000	Tape measured 400 ft from WEEO antenna		" :1506	" " "
8	0.0852	0.1371	1160.000	Tape measured 450 ft from WEEO antenna		" :1508	" " "
9	0.0947	0.1524	1080.000	Tape measured 500 ft from WEEO antenna		" :1510	" " "
10	0.1042	0.1677	1000.000	Tape measured 550 ft from WEEO antenna		" :1512	" " "
11	0.1136	0.1828	935.000	Tape measured 600 ft from WEEO antenna		" :1514	" " "
12	0.2000	0.3219	410.000	Fish Hatchery Rd, 100 ft W of box 91	(elv 633 ft)	08092013:1456	40,04,26.3-77,32,21.9
13	1.4300	2.3014	53.800	Hall Av near inters. w/Church Dr. (street sign)	(elv 749 ft)	" :1518	40,04,04.0-77,33,40.0
14	1.5800	2.5428	38.300	Across from RHS of 11607 Spring Ridge Dr.	(elv 734 ft)	" :1525	40,04,01.5-77,33,49.5
15	2.8300	4.5544	19.400	Orrstown Rd (PA533) betwn poles E80 & E81, field	(elv 714 ft)	" :1615	40,03,39.0-77,35,09.6
16	4.8700	7.8375	8.600	Box 4382 Orrstown Rd (PA 533)	(elv 714 ft)	" :1710	40,03,05.5-77,37,21.0
17	5.0900	8.1916	6.350	Driveway to wood barn on PA Rt 533	(elv 720 ft)	" :1715	40,02,59.6-77,37,34.0
18	5.6200	9.0445	6.050	4924 PA Rt 533, lot of Letterkenny Twp. bldg.	(elv 745 ft)	" :1703	40,02,48.7-77,38,07.4
19	5.8400	9.3986	6.800	Iron Bridge Rd 0.15 mi S of int w/PA 533	(elv 736 ft)	" :1658	40,02,44.9-77,38,21.5
20	6.5800	10.5895	4.600	PA Rt 997 across from pole 40/679	(elv 685 ft)	" :1723	40,02,32.2-77,39,09.0
21	12.8000	20.5996	0.530	Dead end of Mountain Rd at parking area	(elv 757 ft)	" :1825	40,00,39.9-77,45,43.6
22	15.1000	24.3011	0.500	Gilbert Rd. at culvert	(elv 1927 ft)	" :1812	39,59,59.1-77,48,11.4
23	15.5000	24.9448	0.295	Shearer Rd app. 200 ft N of inters w/Gilbert Rd	(elv 1960 ft)	" :1805	39,59,51.5-77,48,39.4
24	16.2000	26.0714	0.265	Bear Valley Rd. at driveway	(elv 1772 ft)	" :1755	39,59,40.0-77,49,21.0
25	20.7000	33.3134	0.095	PA Rt 75 N across from pole 18S/54	(elv 726 ft)	08102013:1717	39,58,19.6-77,54,05.9
26	21.3000	34.2790	0.100	SR4003, across from pole 13	(elv 858 ft)	" :1727	39,58,08.8-77,54,45.6
27	23.4000	37.6586	0.088	Across from pole 18S2/98 on Aughwick Rd.	(elv 1540 ft)	" :1645	39,57,29.5-77,57,00.8
28	25.8000	41.5211	0.082	US 522 NB, lot of Carquest	(elv 999 ft)	" :1628	39,56,41.4-77,59,28.9
29	27.4000	44.0960	0.078	US 30 WB at drain behind traffic sign	(elv 1195 ft)	" :1554	39,56,18.2-78,01,11.7
30	31.0000	49.8897	0.029	Dead end of Creek Rd. at creek (deep hollow)	(elv 772 ft)	" :1534	39,55,19.2-78,05,03.6
31	31.8000	51.1771	0.048	GPS loc. on SR2005 (Timber Ridge Rd) near pond	(elv 959 ft)	" :1520	39,54,57.7-78,05,54.4
32	32.7000	52.6255	0.057	PA Rt 655 across from pole 60	(elv 940 ft)	" :1513	39,54,38.6-78,06,52.6
33	34.3000	55.2005	0.047	Blairs Hill Rd 300 ft N of int w/Wertzville Rd	(elv 755 ft)	" :1505	39,54,11.3-78,08,30.9
34	35.7000	57.4536	0.043	Sipes Mill Rd across from pole 67 (N of #5841)	(elv 874 ft)	" :1440	39,53,47.3-78,10,01.8
35	36.8000	59.2239	0.052	Near box 1943 Mountain Rd.	(elv 1104 ft)	" :1450	39,53,26.1-78,11,12.1
36	40.2000	64.6956	0.037	PA 643 EB, diag across from pole 216	(elv 1440 ft)	" :1400	39,52,25.1-78,14,46.7

Weather Information 03202014: 45 deg., clear; 08092013: 81 deg., cloudy/drizzle;08102013: 86 deg., PC
Measured by R. Morgan Burrow Jr. using Potomac Inst. FIM-41 s/n 331, cal. 12 Jul 2013.



WEEO Bearing N 250.0 E **Radio Station WEEO** **Shippensburg, Pennsylvania** **1480 kHz 0.009/0.41 kW ND-2-U**	**R. Morgan Burrow, Jr., P.E.** **Everett, Pennsylvania 15537** **Exhibit 5-B** **April 2014**



Bearing N 250 E Close In

Radio Station WEEO
Shippensburg, Pennsylvania
1480 kHz 0.009/0.41 kW ND-2-U

R. Morgan Burrow, Jr., P.E.
Everett, Pennsylvania 15537

Exhibit 5-C
April 2014

Exhibit 6-A

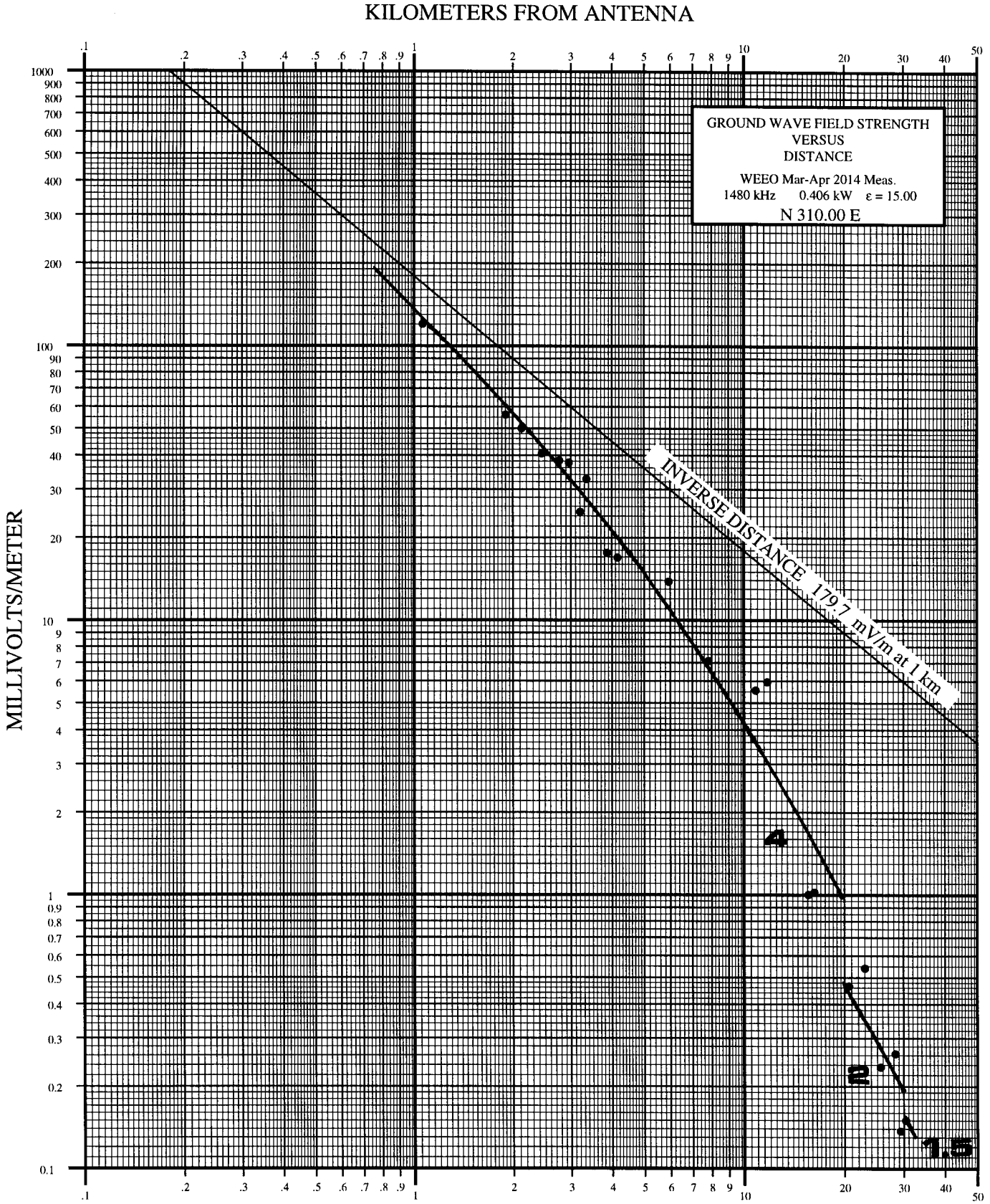
Tabulation of Field Intensity Measurement Data
WEEO Measurement Bearing N 310.0 E

R. Morgan Burrow, Jr., P.E.
2439 French Creek Road, Everett, PA 15537

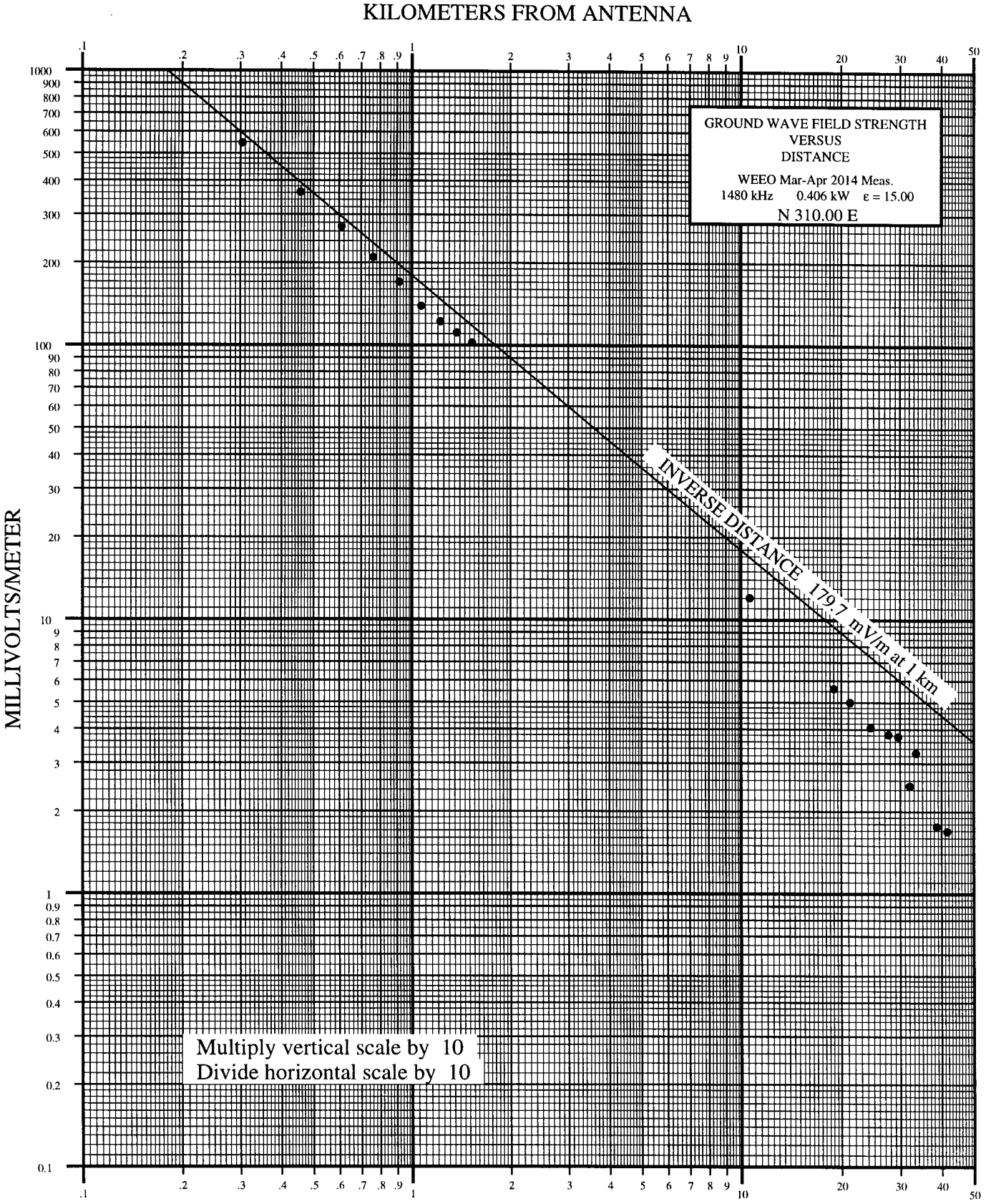
WEEO 1480 kHz 0.406 kw-D Shippensburg PA. WEEO Bearing N 310.0 E

Pt No.	Distance (Miles)	Distance (Km.)	Non-DA (mV/m)	Point Description		Meas. Date:Time Times Local (EDT)	GPS Coordinates (D,M,S - D,M,S)
1	0.0189	0.0304	5450.000	Tape measured 100 ft from WEEO antenna	(elv 670 ft)	03212014:1530	DNA - Tape measured
2	0.0284	0.0457	3620.000	Tape measured 150 ft from WEEO antenna	(elv 670 ft)	" :1532	" " " "
3	0.0379	0.0610	2710.000	Tape measured 200 ft from WEEO antenna	(elv 670 ft)	" :1534	" " " "
4	0.0473	0.0761	2090.000	Tape measured 250 ft from WEEO antenna	(elv 667 ft)	" :1549	" " " "
5	0.0568	0.0914	1700.000	Tape measured 300 ft from WEEO antenna	(elv 666 ft)	" :1550	" " " "
6	0.0663	0.1067	1390.000	Tape measured 350 ft from WEEO antenna	(elv 665 ft)	" :1553	" " " "
7	0.0758	0.1220	1220.000	Tape measured 400 ft from WEEO antenna	(elv 663 ft)	" :1554	" " " "
8	0.0852	0.1371	1110.000	Tape measured 450 ft from WEEO antenna	(elv 661 ft)	" :1602	" " " "
9	0.0947	0.1524	1020.000	Tape measured 500 ft from WEEO antenna	(elv 660 ft)	" :1604	" " " "
10	0.6600	1.0622	120.000	Stonewall Rd. across from gravel drivewy	(elv 625 ft)	03242014:1545	40,04,52.0-77,32,43.1
11	1.1800	1.8990	56.000	McClays Mill Rd. across from pole 27	(elv 648 ft)	" :1540	40,05,09.6-77,32,10.2
12	1.3200	2.1243	50.000	McClays Mill Rd. across from pole 9-7914	(elv 661 ft)	" :1536	40,04,12.8-77,33,19.0
13	1.5200	2.4462	40.500	McClays Mill Rd. across from pole G8/40	(elv 647 ft)	" :1533	40,04,19.3-77,33,29.7
14	1.7200	2.7681	38.200	Burnt Mill Rd near inters. with McClays Mill Rd	(elv 649 ft)	" :1529	40,05,27.8-77,33,38.8
15	1.8400	2.9612	37.500	McClays Mill Rd. across from pole 57	(elv 658 ft)	" :1525	40,04,30.8-77,33,46.1
16	1.9900	3.2026	24.800	McClays Mill Rd. behind pole 9-7932 @woods line	(elv 703 ft)	" :1520	40,05,36.9-77,33,52.3
17	2.0800	3.3474	32.700	Fernwood Rd app 100 ft from int w/McClays Mill	(elv 718 ft)	" :1515	40,05,39.9-77,33,57.5
18	2.4000	3.8624	17.600	McClays Mill Rd., north side of bridge	(elv 629 ft)	" :1501	40,05,50.9-77,34,13.5
19	2.5800	4.1521	16.900	Paxton Run Rd. behind pole G8/90	(elv 597 ft)	" :1451	40,05,56.5-77,34,23,4
20	3.6900	5.9385	13.800	Across from 14737 West Creek Rd. in field	(elv 694 ft)	" :1436	40,06,33.6-77,35,21.0
21	4.8600	7.8214	7.100	Otterbein Church Rd diagonal across from pole 5	(elv 718 ft)	" :1427	40,07,22.9-77,36,23.6
22	6.7400	10.8470	5.550	Rt 997 SB, lot of Esh's store (16402 Rt 997)	(elv 799 ft)	" :1242	40,08,16.3-77,37,59.5
23	7.3100	11.7643	5.950	PA Turnpike EB, mile marker 199.6	(elv 1038 ft)	" :1233	40,08,34.6-77,38,29.6
24	9.6900	15.5945	1.000	Mailbox 18314 Store Lane	(elv 1086 ft)	" :1310	40,09,54.3-77,40,33.7
25	10.1000	16.2544	1.020	SR4005 near pond (near #19183)	(elv 998 ft)	" :1316	40,10,06.4-77,40,52.9
26	12.8000	20.5996	0.465	PA Rt 75 at creek, diagonal across from pole 52	(elv 1048 ft)	04082014:1250	40,11,36.6-77,43,15.8
27	14.3000	23.0136	0.540	Driveway 21490 Back Road (SR4007)	(elv 1097 ft)	" :1258	40,12,28.9-77,44,32.5
28	15.9000	25.5886	0.235	App. 100 ft S of box 20073 Mountain Foot Rd.	(elv 971 ft)	" :1328	40,13,22.6-77,45,58.3
29	17.6000	28.3245	0.263	Acrosss from pole 2; 0.25 mi N of 19986 SR 2015	(elv 1248 ft)	" :1346	40,14,20.1-77,47,28.0
30	18.2000	29.2901	0.137	GPS location on forest road	(elv 1064 ft)	" :1412	40,14,41.1-77,48,01.3
31	18.9000	30.4166	0.150	Diag. across from pole 90 on PAA Rt 35 (SB)	(elv 1061 ft)	" :1433	40,15,03.5-77,48,35.2

Weather Information 03212014: 46-52 deg., cloudy; 03242014: 35 deg., light snow; 04082014: 57 deg., cloudy
Measured by R. Morgan Burrow Jr. using Potomac Inst. FIM-41 s/n 331, cal. 12 Jul. 2013



WEEO Bearing N 310.0 E **Radio Station WEEO** **Shippensburg, Pennsylvania** **1480 kHz 0.009/0.41 kW ND-2-U**	**R. Morgan Burrow, Jr., P.E.** **Everett, Pennsylvania 15537** **Exhibit 6-B** **April 2014**

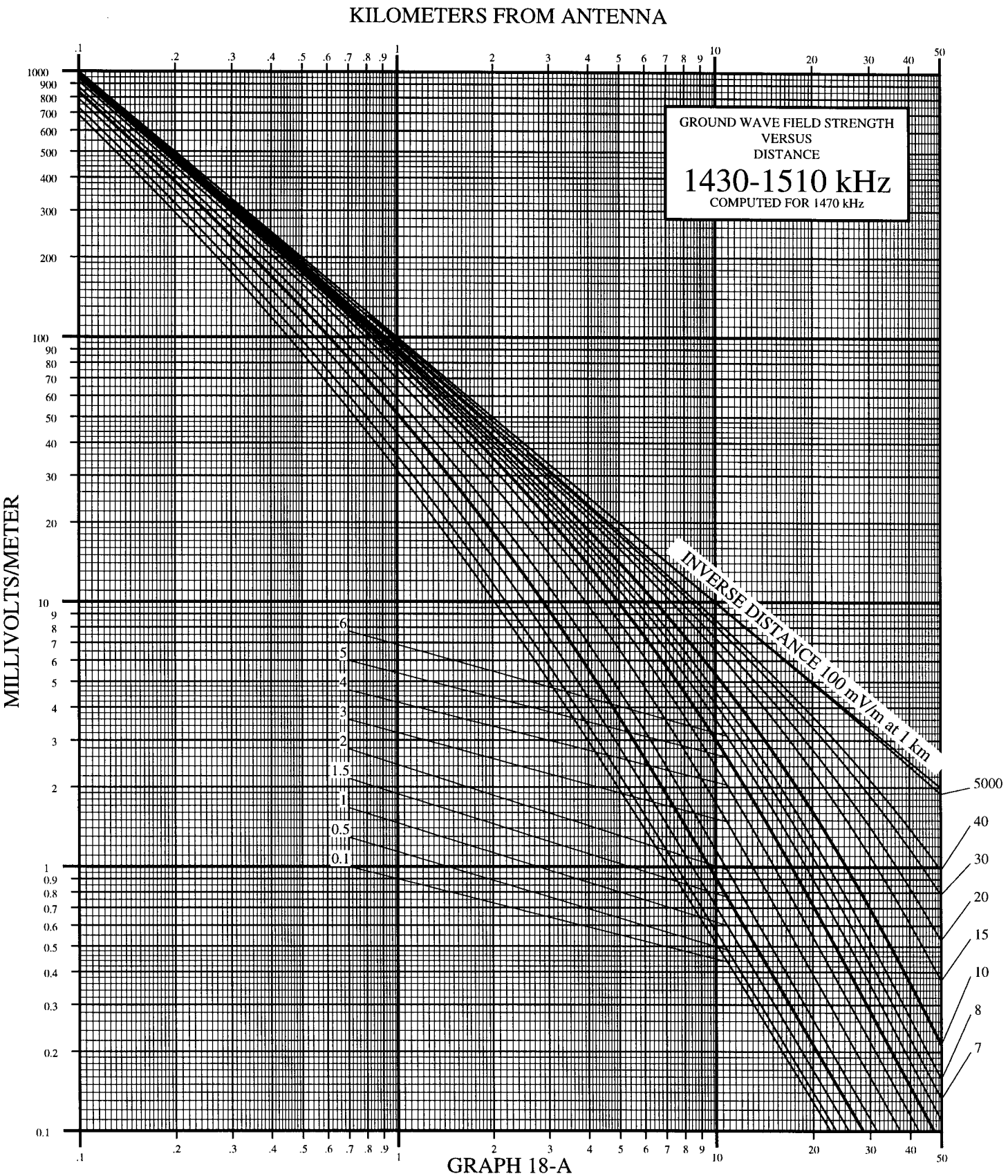


Bearing N 310 E Close In

Radio Station WEEO
Shippensburg, Pennsylvania
1480 kHz 0.009/0.41 kW ND-2-U

R. Morgan Burrow, Jr., P.E.
Everett, Pennsylvania 15537

Exhibit 6-C
April 2014



GRAPH 18-A

STANDARD 4 CY. CURVES	R. Morgan Burrow, Jr., P.E.
Radio Station WEEO Shippensburg, Pennsylvania 1480 kHz 0.009/0.41 kW ND-2-U	Everett, Pennsylvania 15537 **Exhibit 7** April 2014