











14	100	10.0	3134.15	0.217	383.58
15	150	10.0	7061.65	0.007	21.94

**Table 3:** Community/Location; Oferekpe 3 VES Number: 3.  
 (Equipment; Allied Omega. Profile ORIENTATION:  
 N06.17734, E007.04321. Date; 10<sup>th</sup> March 2013)

S/N	L/2(m)	l/2(m)	K	R(Ω)	ρ(Ω.m)
1	1.5	0.5	6.28	285.40	1792.3
2	2	0.5	11.78	123.20	1451.3
3	2.5	0.5	18.84	65.18	1227.9
4	3.5	0.5	37.68	23.98	903.6
5	4.5	0.5	62.80	11.21	703.9
6	6	0.5	112.3	5.034	565.3
7	8	0.5	200.0	3.076	615.2
8	10	0.5	313.21	2.489	779.6
9	15	0.5	706.71	4.514	3190.6
10	10	3.5	39.36	2.729	107.4
11	15	3.5	95.43	0.949	90.56
12	20	3.5	173.28	0.551	95.86
13	25	3.5	274.80	0.336	92.35
14	35	3.5	544.00	0.347	188.77
15	45	3.5	903.36	0.306	276.43
16	55	3.5	1352.0	0.198	267.7
17	45	14	205.1	0.164	33.64
18	55	14	317.0	0.120	38.04
19	75	14	608.98	0.062	37.77
20	95	14	991.11	0.038	107.01
21	125	14	1230	0.087	107.01

**Table 4:** Community/Location; Oferekpe 4 VES Number: 4.  
 (Equipment; Allied Omega. Profile Orientation:  
 N06.17654, E008.04321. Client: Date; 3<sup>rd</sup> November 2012

S/N	L/2(m)	l/2(m)	K	R(Ω)	ρ(Ω.m)
1	1.5	0.5	6.28	46.96	294.91
2	2	0.5	11.78	23.93	281.90
3	2.5	0.5	18.84	13.97	262.86
4	3.5	0.5	37.68	6.923	246.30
5	4.5	0.5	62.80	3.922	224.71
6	6	0.5	112.3	2.001	181.00
7	8	0.5	200.0	0.9050	141.10
8	10	0.5	313.21	0.4505	173.36
9	15	0.5	706.71	0.2453	116.74
10	10	3.5	39.36	2.966	77.25
11	15	3.5	95.43	0.8095	59.42
12	20	3.5	173.28	0.3429	42.81
13	25	3.5	274.80	0.1558	43.11
14	35	3.5	544.00	0.0792	59.68
15	45	3.5	903.36	0.0660	66.34
16	55	3.5	1352.0	0.0490	41.02
17	45	14	205.1	0.200	42.80
18	55	14	317.0	0.135	44.09
19	75	14	608.98	0.0724	46.43
20	95	14	991.11	0.0476	47.09
21	125	14	1230	0.0140	298.8

**Table 5:** Community/Location; OFEREKPE 5. VES  
 Number: 5. (Equipment; Allied Omega. Profile  
 Orientation: N06.59692, E007.0545 Date; 11<sup>th</sup> March 2013).

S/N	L/2	l/2	K	R(Ω)	ρ(Ω.m)
1	1.5	0.5	6.28	149.8	940.74
2	2	0.5	11.78	79.24	933.45
3	2.5	0.5	18.84	46.15	869.47
4	3.5	0.5	37.68	18.10	682.01
5	4.5	0.5	62.80	8.245	516.14
6	6	0.5	112.3	2.815	316.13
7	8	0.5	200.0	0.8547	170.94

8	10	0.5	313.21	0.445	139.38
9	15	0.5	706.71	0.1257	88.84
10	10	3.5	39.36	4.263	167.79
11	15	3.5	95.43	0.8215	78.40
12	20	3.5	173.28	0.5369	93.01
13	25	3.5	274.80	0.3911	107.47
14	35	3.5	544.00	0.2463	133.99
15	45	3.5	903.36	0.1448	130.81
16	55	3.5	1352.0	0.1458	197.12
17	45	14	205.1	0.5299	108.68
18	55	14	317.0	0.3559	481.18
19	75	14	608.98	0.2453	149.38
20	95	14	991.11	0.1699	168.39
21	125	14	1230	0.1240	152.52

**Table 6:** Community/Location; OFEREKPE IKWO 6 VES  
 Number: 6. (Equipment; Allied Omega. Profile  
 Orientation: N06.59692, E007.054. Date; 11<sup>th</sup> March 2013)

S/N	L/2(m)	l/2(m)	K	R(Ω)	ρ(Ω.m)
1	1.5	0.5	6.28	15.48	97.21
2	2	0.5	11.78	8.168	96.21
3	2.5	0.5	18.84	4.796	90.36
4	3.5	0.5	37.68	2.071	780.35
5	4.5	0.5	62.80	1.045	65.60
6	6	0.5	112.3	0.452	50.76
7	8	0.5	200.0	0.2081	41.62
8	10	0.5	313.21	0.1176	36.83
9	15	0.5	706.71	0.2423	171.24
10	10	3.5	39.36	0.9632	9.54
11	15	3.5	95.43	0.0939	16.27
12	20	3.5	173.28	0.0861	23.62
13	25	3.5	274.80	0.0156	8.514
14	35	3.5	544.00	0.0704	63.57
15	45	3.5	903.36	0.0468	63.34
16	55	3.5	1352.0	0.0157	3.21
17	45	14	205.1	0.3907	4.97
18	55	14	317.0	0.0703	42.85
19	75	14	608.98	0.0464	46.43
20	95	14	991.11	0.0782	96.12
21	125	14	1230	0.0140	298.8

**Table 7:** Community/Location; OFEREKPE 7 VES  
 Number: 7 Equipment Allied Omega. Profile Orientation:  
 N06.15438, E007.04761 Date; 11th March, 2012.

S/No	L/2(m)	l/2(m)	K	R(Ω)	ρ(Ω.)
1	1.5	0.5	6.28	4.412	27.71
2	2	0.5	11.78	2.817	33.18
3	2.5	0.5	18.84	1.666	31.39
4	3.5	0.5	37.68	0.817	30.82
5	4.5	0.5	62.80	0.361	22.72
6	6	0.5	112.3	0.0605	6.800
7	8	0.5	200.0	0.1302	26.04
8	10	0.5	313.21	0.0274	8.560
9	15	0.5	706.71	0.5290	370.7
10	10	3.5	39.36	0.1756	6.900
11	15	3.5	95.43	0.1696	16.180
12	20	3.5	173.28	0.0311	5.400
13	25	3.5	274.80	0.0370	0.900
14	35	3.5	544.00	0.002	1.100
15	45	3.5	903.36	0.062	56.0
16	55	3.5	1352.0	0.0144	19.46
17	45	14	205.1	0.0688	14.1
18	55	14	317.0	0.0350	11.1
19	75	14	608.98	0.4230	257.59
20	95	14	991.11	0.0571	264.89
21	125	14	1230	0.2351	288.24









