

## ANEXOS

### A.1 SECCIÓN PLANTA BAJA, LADO IZQUIERDO

#### A.1.1 TENSIÓN DE FASE A NEUTRO

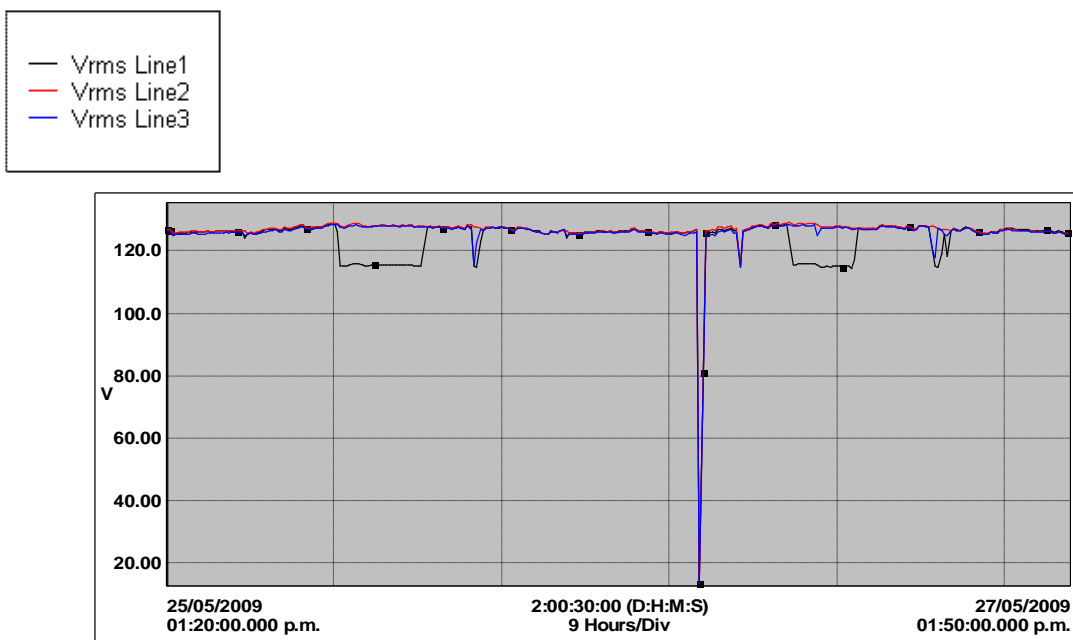


Figura. A.1.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Linea1	25/05/2009	01:20:00.000 p.m.	123.98	13.200	128.60	V
Vrms Linea2	25/05/2009	01:20:00.000 p.m.	126.51	13.300	129.00	V
Vrms Linea3	25/05/2009	01:20:00.000 p.m.	125.95	13.200	128.50	V

Tabla A.1.1

**Nota:** Las fechas reales de las mediciones corresponden al cuarto trimestre del 2010

### A.1.2 TENSIÓN DE FASE A FASE

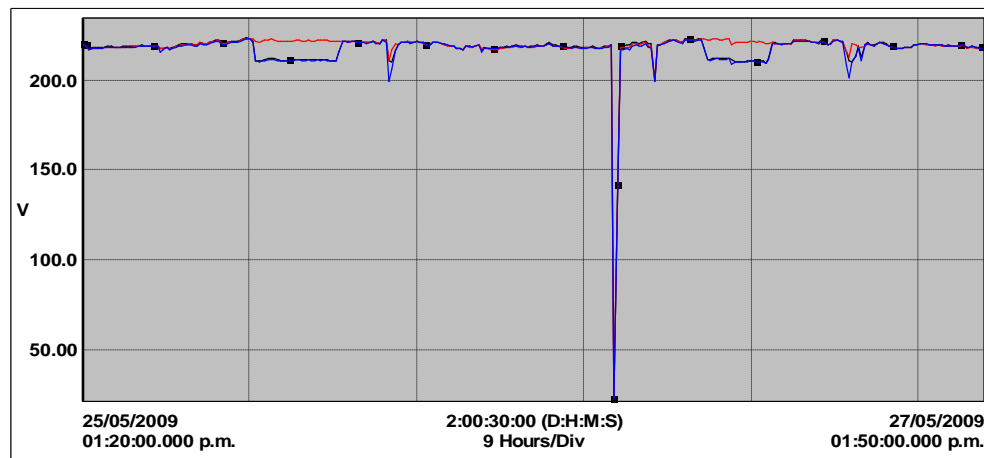
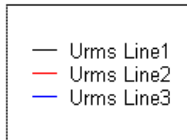


Figura A.1.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Linea1	25/05/2009	01:20:00.000 p.m.	217.02	23.000	223.10	V
Urms Linea2	25/05/2009	01:20:00.000 p.m.	218.62	22.900	223.00	V
Urms Linea3	25/05/2009	01:20:00.000 p.m.	216.49	22.900	222.50	V

Tabla A.1.2

### A.1.3 CORRIENTE

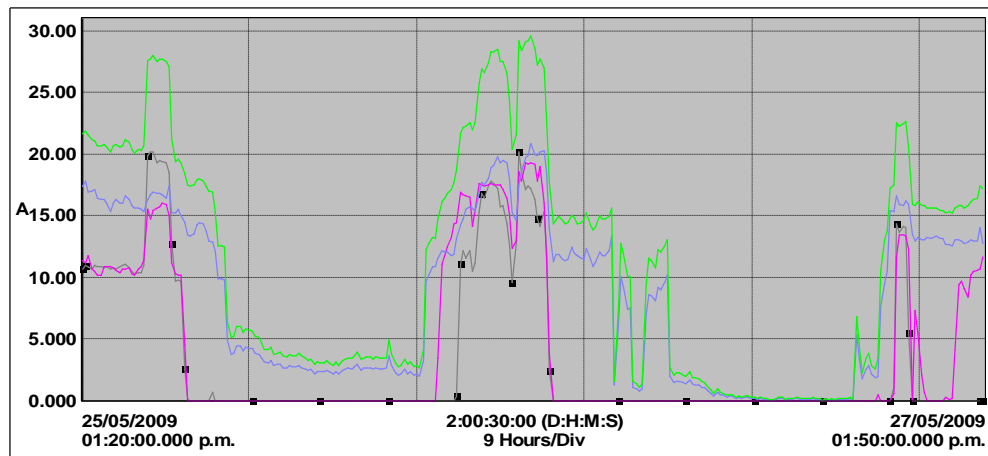
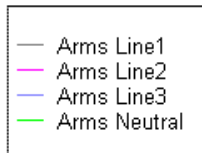


Figura A.1.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Linea1	25/05/2009	01:20:00.000 p.m.	3.1682	0.0000	20.200	A
Arms Linea2	25/05/2009	01:20:00.000 p.m.	3.9226	0.0000	19.300	A
Arms Linea3	25/05/2009	01:20:00.000 p.m.	8.2822	0.0000	20.900	A
Arms Neutral	25/05/2009	01:20:00.000 p.m.	11.066	0.0000	29.600	A

Tabla A.1.3

### A.1.4 FRECUENCIA

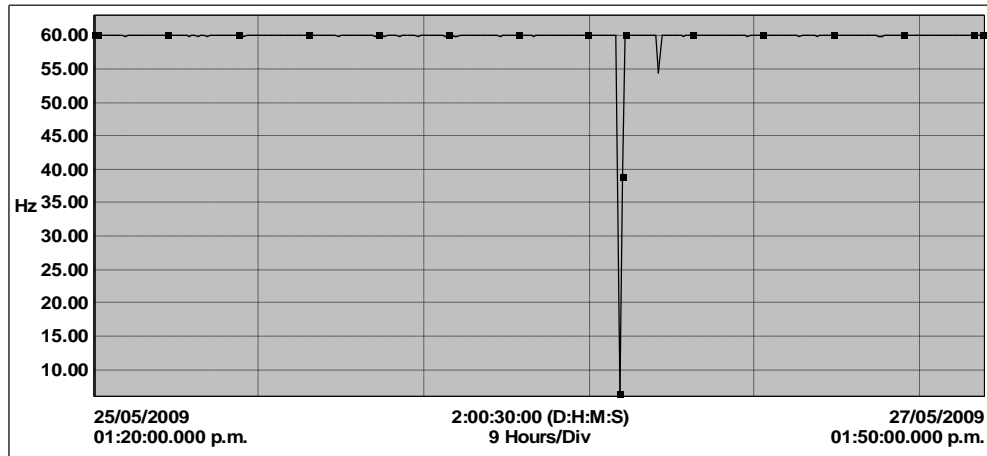


Figura A.1.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	25/05/2009	01:20:00.000 p.m.	2:00:40:00	(D:H:M:S)	59.715	6.3000	60.060	292

Tabla A.1.4

### A.1.5 ARMÓNICOS

- Uthd Line1
- Uthd Line2
- Uthd Line3
- Vthd Line1
- Vthd Line2
- Vthd Line3
- Athd Line1
- Athd Line2
- Athd Line3

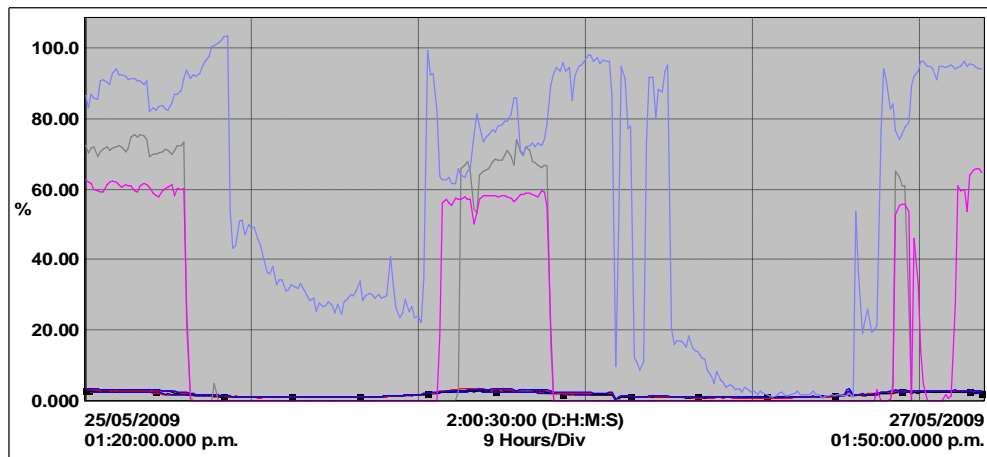


Figura A.1.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Linea1	25/05/2009	01:20:00.000 p.m.	1.6188	0.100	2.7000	⊘
Uthd Linea2	25/05/2009	01:20:00.000 p.m.	1.5750	0.100	2.7000	⊘
Uthd Linea3	25/05/2009	01:20:00.000 p.m.	1.6161	0.100	2.7000	⊘
Vthd Linea1	25/05/2009	01:20:00.000 p.m.	1.7205	0.200	3.1000	⊘
Vthd Linea2	25/05/2009	01:20:00.000 p.m.	1.8555	0.200	3.5000	⊘
Vthd Linea3	25/05/2009	01:20:00.000 p.m.	1.9825	0.200	3.5000	⊘
Athd Linea1	25/05/2009	01:20:00.000 p.m.	15.893	0.0000	75.600	⊘
Athd Linea2	25/05/2009	01:20:00.000 p.m.	17.231	0.0000	65.700	⊘
Athd Linea3	25/05/2009	01:20:00.000 p.m.	55.086	0.600	103.50	⊘

Tabla A.1.5.1

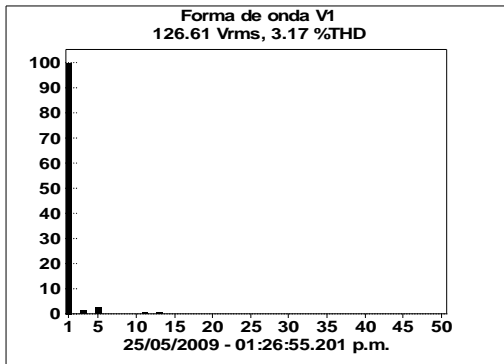


Figura A.1.5.2

Forma de onda V1

	(%)		(%)		(%)
H01	100.0	H18	0.0	H35	0.0
H02	0.0	H19	0.1	H36	0.0
H03	1.5	H20	0.0	H37	0.0
H04	0.0	H21	0.0	H38	0.0
H05	2.7	H22	0.0	H39	0.0
H06	0.0	H23	0.0	H40	0.0
H07	0.4	H24	0.0	H41	0.0
H08	0.0	H25	0.1	H42	0.0
H09	0.2	H26	0.0	H43	0.0
H10	0.0	H27	0.1	H44	0.0
H11	0.5	H28	0.0	H45	0.0
H12	0.1	H29	0.1	H46	0.0
H13	0.4	H30	0.0	H47	0.0
H14	0.0	H31	0.0	H48	0.0
H15	0.3	H32	0.0	H49	0.0
H16	0.0	H33	0.1	H50	0.0
H17	0.2	H34	0.0		

Tabla A.1.5.2

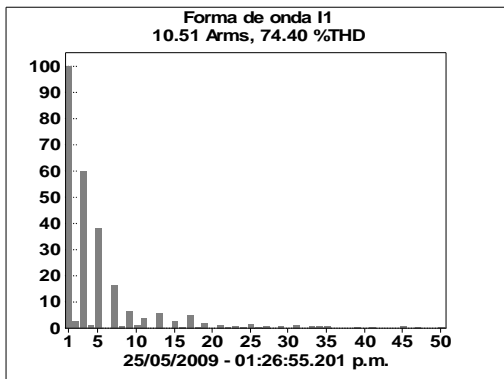


Figura A.1.5.3

Forma de onda I1

	(%)		(%)		(%)
H01	100.0	H18	0.5	H35	1.0
H02	3.2	H19	2.3	H36	0.2
H03	59.9	H20	0.2	H37	0.3
H04	1.7	H21	1.4	H38	0.4
H05	38.6	H22	0.8	H39	0.7
H06	0.3	H23	1.1	H40	0.3
H07	16.8	H24	0.7	H41	0.7
H08	1.0	H25	1.9	H42	0.3
H09	6.7	H26	0.6	H43	0.3
H10	1.3	H27	0.9	H44	0.1
H11	4.1	H28	0.1	H45	0.9
H12	0.3	H29	0.9	H46	0.2
H13	5.7	H30	0.4	H47	0.6
H14	0.2	H31	1.7	H48	0.3
H15	3.2	H32	0.1	H49	0.2
H16	0.6	H33	1.2	H50	0.5
H17	5.4	H34	0.9		

Tabla A.1.5.3

### A.1.6 POTENCIA

- W Linea1
- W Linea2
- W Linea3
- W Suma
- VAR Linea1
- VAR Linea2
- VAR Linea3
- VAR Suma
- VA Linea1
- VA Linea2
- VA Linea3
- VA Suma

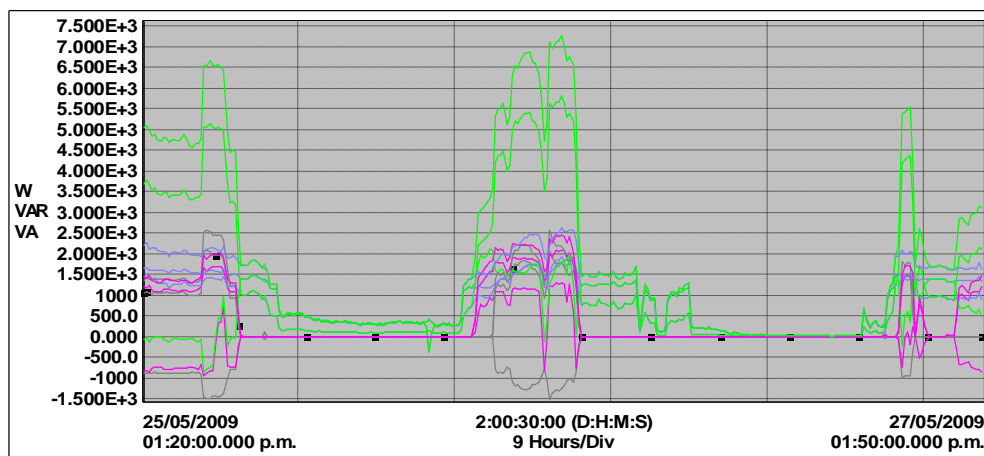


Figura A.1.6

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Linea1	25/05/2009	01:20:00.000 p.m.	321.22	0.0000	2.0699E+3	W
W Linea2	25/05/2009	01:20:00.000 p.m.	418.60	0.0000	2.0732E+3	W
W Linea3	25/05/2009	01:20:00.000 p.m.	605.33	1.8800	1.9406E+3	W
W Neutral	25/05/2009	01:20:00.000 p.m.	1.3451E+3	1.8800	5.7973E+3	W
VAR Linea1	25/05/2009	01:20:00.000 p.m.	-239.00	-1.5059E+3	1.6000	VAR
VAR Linea2	25/05/2009	01:20:00.000 p.m.	1.4415	-946.49	1.2897E+3	VAR
VAR Linea3	25/05/2009	01:20:00.000 p.m.	839.70	-366.12	1.7895E+3	VAR
VAR Neutral	25/05/2009	01:20:00.000 p.m.	602.14	-861.86	2.1092E+3	VAR
VA Linea1	25/05/2009	01:20:00.000 p.m.	400.83	0.0000	2.5530E+3	VA
VA Linea2	25/05/2009	01:20:00.000 p.m.	496.99	0.0000	2.4395E+3	VA
VA Linea3	25/05/2009	01:20:00.000 p.m.	1.0510E+3	7.7700	2.6398E+3	VA
VA Neutral	25/05/2009	01:20:00.000 p.m.	1.9488E+3	7.7700	7.2579E+3	VA

Tabla A.1.6

### A.1.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

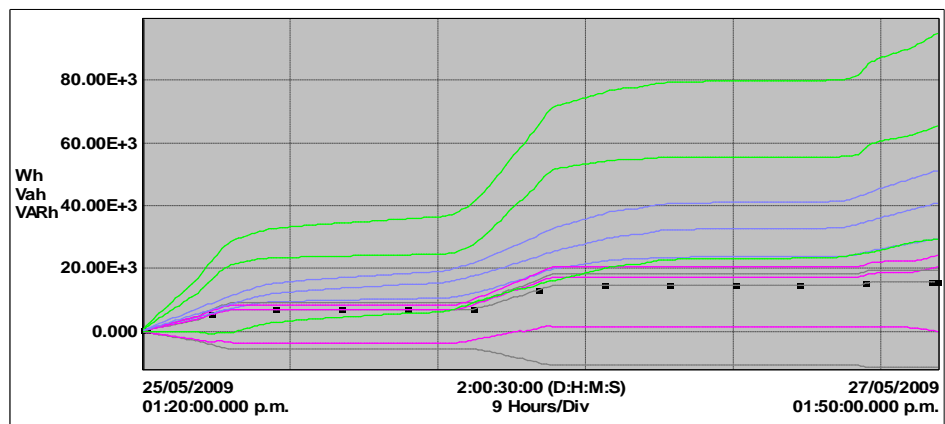


Figura A.1.7

Nombre	Fecha	Hora	Max	Unidades
W-hora Linea1	25/05/2009	01:20:00.000 p.m.	15.633E+3	Wh
W-hora Linea2	25/05/2009	01:20:00.000 p.m.	20.372E+3	Wh
W-hora Linea3	25/05/2009	01:20:00.000 p.m.	29.459E+3	Wh
W-hora Neutral	25/05/2009	01:20:00.000 p.m.	65.464E+3	Wh
VA-hora Linea1	25/05/2009	01:20:00.000 p.m.	19.507E+3	Vah
VA-hora Linea2	25/05/2009	01:20:00.000 p.m.	24.187E+3	Vah
VA-hora Linea3	25/05/2009	01:20:00.000 p.m.	51.148E+3	Vah
VA-hora Neutral	25/05/2009	01:20:00.000 p.m.	94.842E+3	Vah
VAR-hora Linea1	25/05/2009	01:20:00.000 p.m.	-146.44	VARh
VAR-hora Linea2	25/05/2009	01:20:00.000 p.m.	1.6889E+3	VARh
VAR-hora Linea3	25/05/2009	01:20:00.000 p.m.	40.866E+3	VARh
VAR-hora Neutral	25/05/2009	01:20:00.000 p.m.	29.304E+3	VARh

Tabla A.1.7



### A.1.8 FACTOR DE POTENCIA

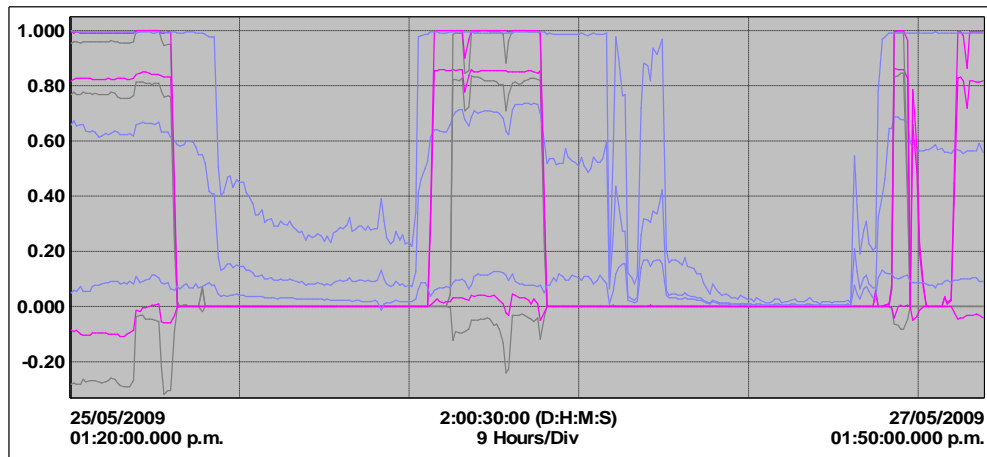
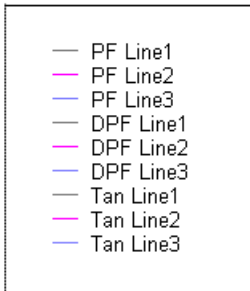


Figura A.1.8

Nombre	Fecha	Hora	From	Min	Max
PF Linea1	25/05/2009	01:20:00.000 p.m.	0.182	0.0000	0.843
PF Linea2	25/05/2009	01:20:00.000 p.m.	0.245	0.0000	0.862
PF Linea3	25/05/2009	01:20:00.000 p.m.	0.337	1.0000E-3	0.735
DPF Linea1	25/05/2009	01:20:00.000 p.m.	0.224	0.0000	0.997
DPF Linea2	25/05/2009	01:20:00.000 p.m.	0.290	0.0000	0.998
DPF Linea3	25/05/2009	01:20:00.000 p.m.	0.606	6.0000E-3	0.996
Tan Linea1	25/05/2009	01:20:00.000 p.m.	-34.534E-3	-0.318	0.0000
Tan Linea2	25/05/2009	01:20:00.000 p.m.	-7.6507E-3	-0.111	44.000E-3
Tan Linea3	25/05/2009	01:20:00.000 p.m.	57.459E-3	-16.000E-3	0.166

Tabla A.1.8

### A.1.9 TRANSITORIOS DE VOLTAJE

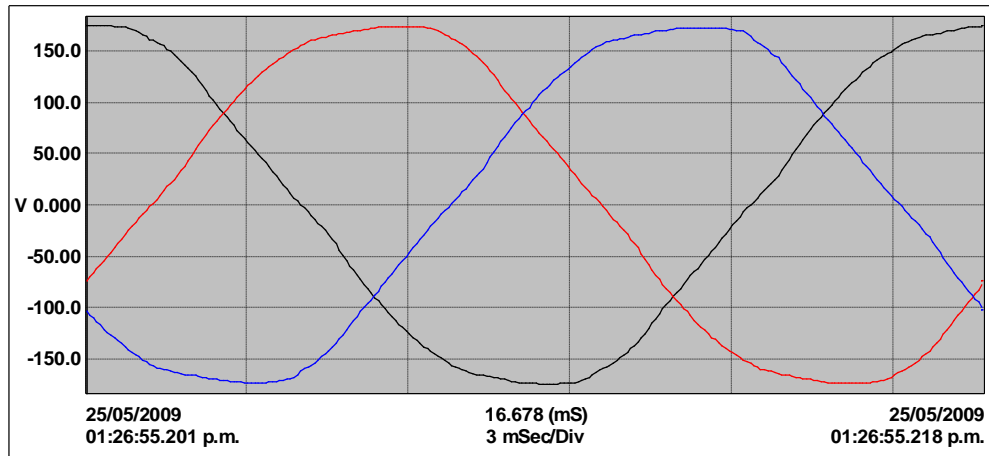
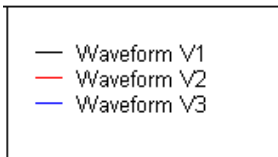
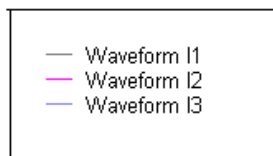


Figura A.1.9

### A.1.10. TRANSITORIOS DE CORRIENTE



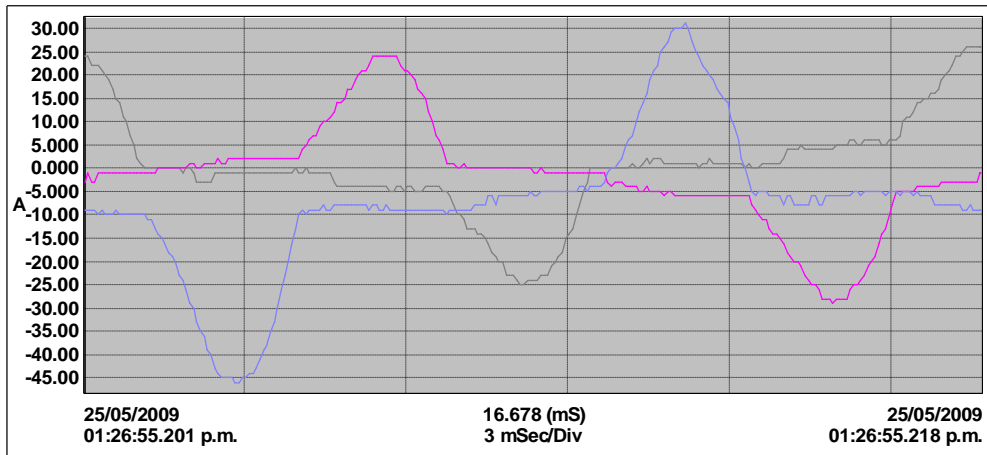


Figura A.1.10

## A.2 SECCIÓN. PLANTA BAJA, LADO DERECHO

### 9.2.1. TENSIÓN DE FASE A NEUTRO

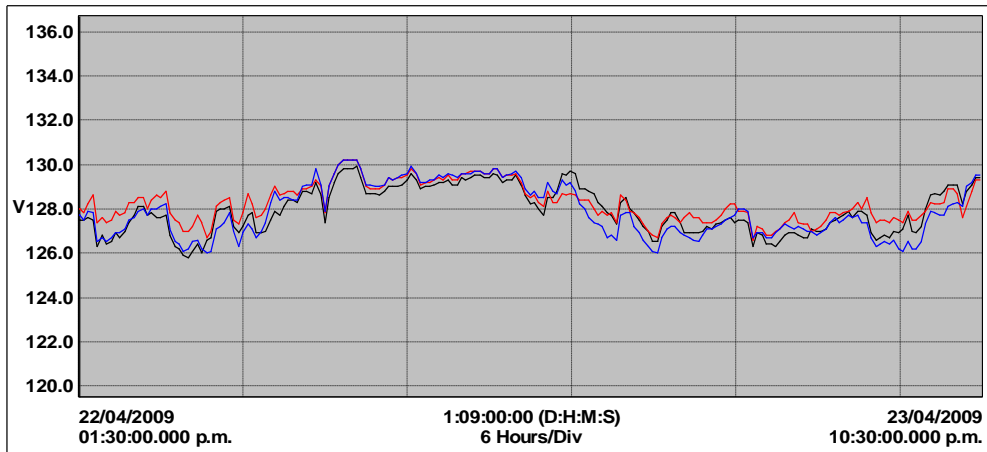
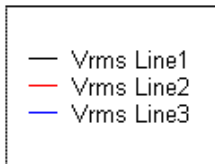


Figura A.2.1



Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Line1	22/04/2009	01:30:00.000 p.m.	127.93	125.80	129.90	V
Vrms Line2	22/04/2009	01:30:00.000 p.m.	128.26	126.60	130.20	V
Vrms Line3	22/04/2009	01:30:00.000 p.m.	127.90	126.00	130.20	V

Tabla A.2.1

## A.2.2 TENSIÓN DE FASE A FASE

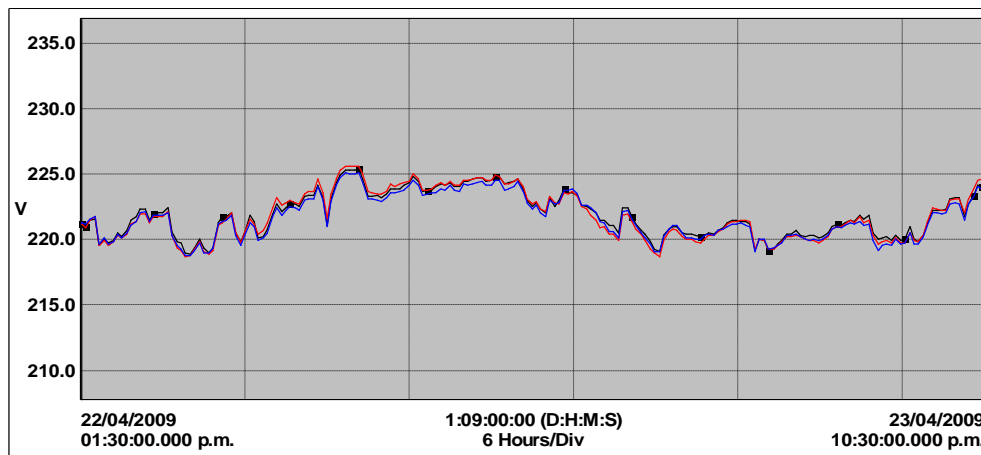
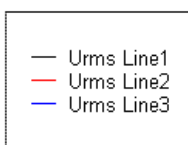


Figura A.2.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Line1	22/04/2009	01:30:00.000 p.m.	221.88	218.90	225.40	V
Urms Line2	22/04/2009	01:30:00.000 p.m.	221.82	218.70	225.60	V
Urms Line3	22/04/2009	01:30:00.000 p.m.	221.66	218.80	225.10	V

Tabla A.2.2

### A.2.3 CORRIENTE

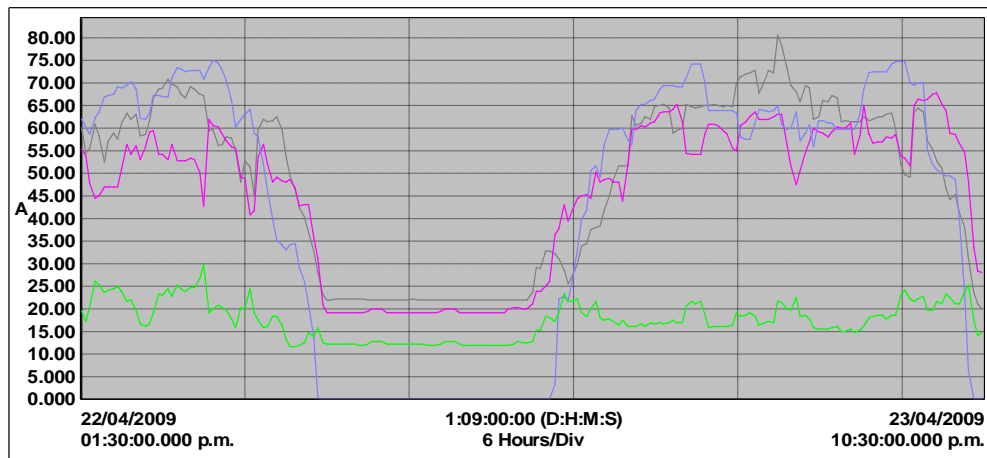
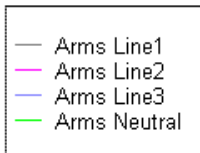


Figura A.2.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Line1	22/04/2009	01:30:00.000 p.m.	48.221	20.000	80.300	A
Arms Line2	22/04/2009	01:30:00.000 p.m.	45.233	19.000	67.700	A
Arms Line3	22/04/2009	01:30:00.000 p.m.	42.569	0.0000	75.000	A
Arms Neutral	22/04/2009	01:30:00.000 p.m.	17.387	11.700	30.000	A

Tabla A.2.3



### A.2.4 FRECUENCIA

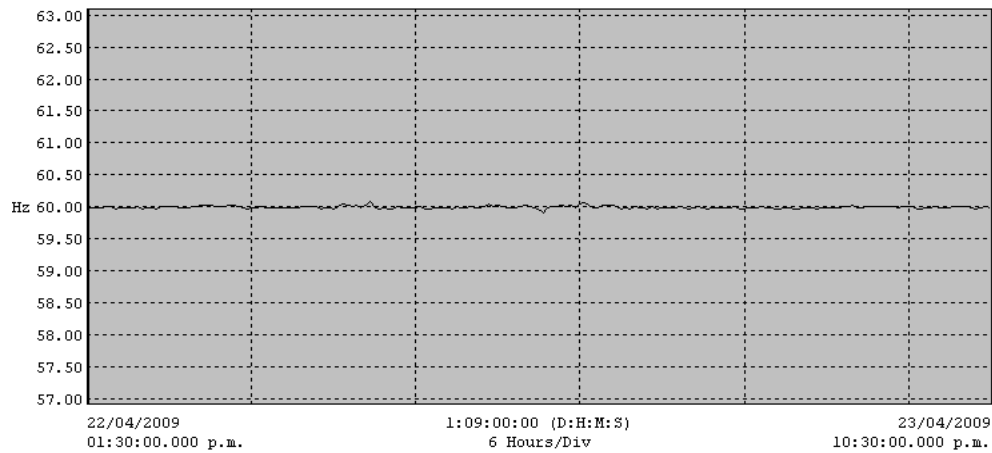


Figura A.2.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	22/04/2009	01:30:00.000 p.m.	1:09:10:00	(D:H:M:S)	59.993	59.910	60.090	199

Tabla A.2.4

### A.2.5 ARMÓNICOS

- Uthd Line1
- Uthd Line2
- Uthd Line3
- Vthd Line1
- Vthd Line2
- Vthd Line3
- Athd Line1
- Athd Line2
- Athd Line3

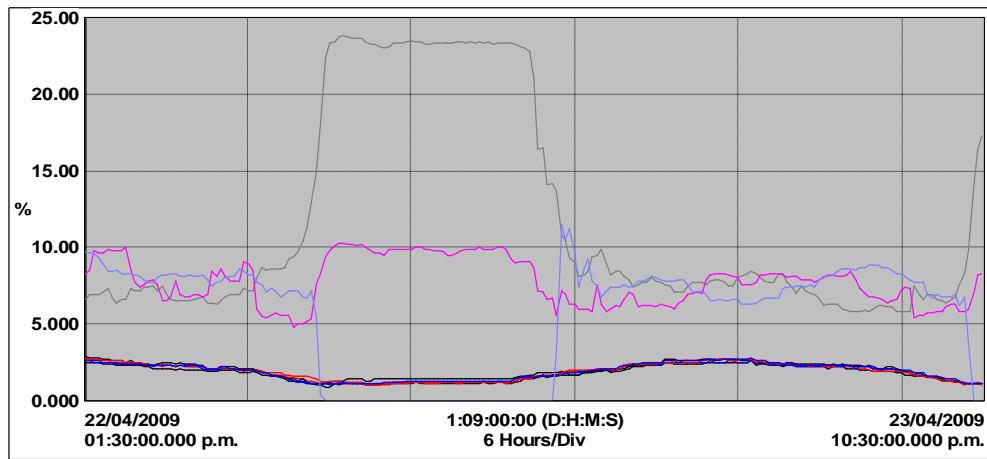


Figura A.2.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Line1	22/04/2009	01:30:00.000 p.m.	1.7643	0.9000	2.6000	%
Uthd Line2	22/04/2009	01:30:00.000 p.m.	1.8950	1.0000	2.7000	%
Uthd Line3	22/04/2009	01:30:00.000 p.m.	1.8523	1.0000	2.6000	%
Vthd Line1	22/04/2009	01:30:00.000 p.m.	1.9724	1.1000	2.9000	%
Vthd Line2	22/04/2009	01:30:00.000 p.m.	1.8980	1.0000	2.8000	%
Vthd Line3	22/04/2009	01:30:00.000 p.m.	1.9141	1.0000	2.8000	%
Athd Line1	22/04/2009	01:30:00.000 p.m.	11.606	5.8000	23.800	%
Athd Line2	22/04/2009	01:30:00.000 p.m.	7.7814	4.8000	10.300	%
Athd Line3	22/04/2009	01:30:00.000 p.m.	5.5804	0.0000	11.500	%

Tabla A.2.5.1

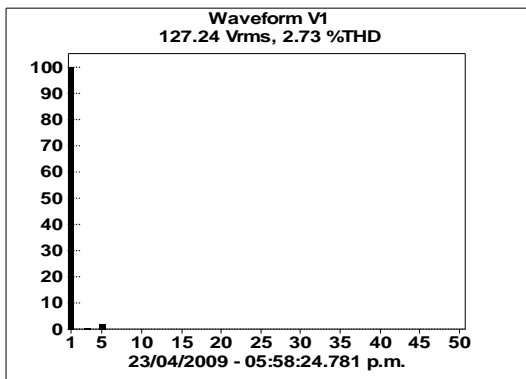


Figura A.2.5.2

Waveform V1					
H01		H18		H35	
100.0		0.2		0.1	
H02	0.1	H19	0.2	H36	0.1
H03	0.8	H20	0.2	H37	0.1
H04	0.1	H21	0.2	H38	0.1
H05	2.4	H22	0.2	H39	0.1
H06	0.2	H23	0.2	H40	0.1
H07	0.1	H24	0.2	H41	0.1
H08	0.1	H25	0.3	H42	0.1
H09	0.4	H26	0.1	H43	0.1
H10	0.1	H27	0.1	H44	0.1
H11	0.2	H28	0.2	H45	0.1
H12	0.1	H29	0.2	H46	0.1
H13	0.2	H30	0.1	H47	0.1
H14	0.1	H31	0.2	H48	0.1
H15	0.3	H32	0.1	H49	0.0
H16	0.2	H33	0.2	H50	0.1
H17	0.1	H34	0.1		

Tabla A.2.5.2

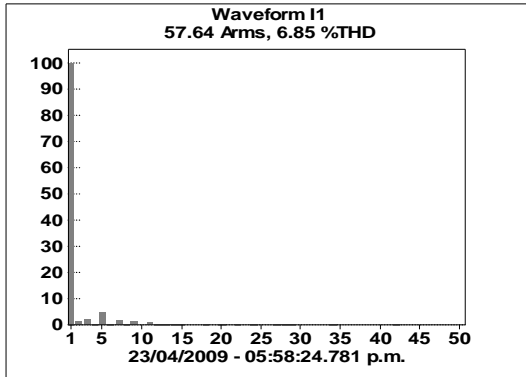


Figura A.2.5.3

	(%)	(%)	(%)
H01	100.0	H18	0.5
H02	1.7	H19	0.1
H03	2.3	H20	0.7
H04	0.6	H21	0.4
H05	4.9	H22	0.5
H06	0.7	H23	0.4
H07	1.8	H24	0.5
H08	0.6	H25	0.4
H09	1.7	H26	0.4
H10	0.1	H27	0.6
H11	1.1	H28	0.5
H12	0.5	H29	0.5
H13	0.7	H30	0.4
H14	0.5	H31	0.4
H15	0.5	H32	0.4
H16	0.3	H33	0.3
H17	0.4	H34	0.5
		H35	0.3
		H36	0.4
		H37	0.3
		H38	0.4
		H39	0.3
		H40	0.3
		H41	0.3
		H42	0.4
		H43	0.3
		H44	0.2
		H45	0.3
		H46	0.3
		H47	0.4
		H48	0.3
		H49	0.3
		H50	0.2

Tabla A.2.5.3

## A.2.6 POTENCIA

-	W Linea1
-	W Linea2
-	W Linea3
-	W Suma
-	VAR Linea
-	VAR Linea
-	VAR Linea
-	VAR Suma
-	VA Linea1
-	VA Linea2
-	VA Linea3
-	VA Suma



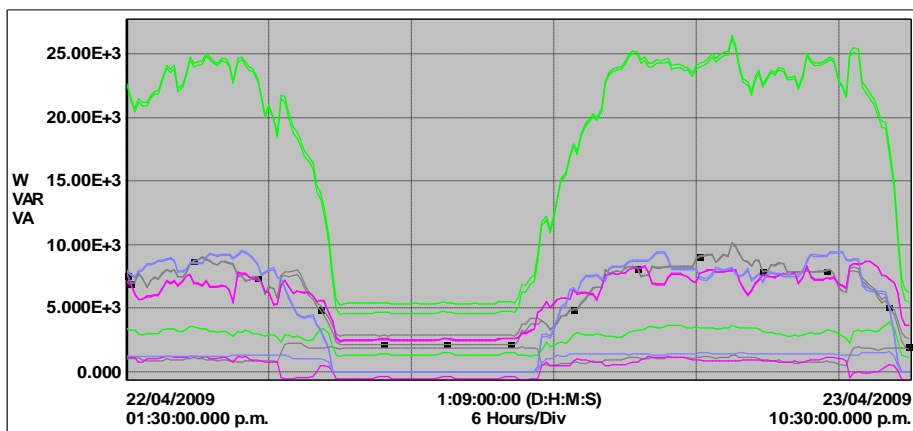


Figura A.2.6

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Line1	22/04/2009	01:30:00.000 p.m.	5.8999E+3	1.8994E+3	10.065E+3	W
W Line2	22/04/2009	01:30:00.000 p.m.	5.7430E+3	2.3640E+3	8.6686E+3	W
W Line3	22/04/2009	01:30:00.000 p.m.	5.3340E+3	0.0000	9.3859E+3	W
W Suma	22/04/2009	01:30:00.000 p.m.	16.977E+3	4.5123E+3	26.131E+3	W
VAR Line1	22/04/2009	01:30:00.000 p.m.	1.2957E+3	471.19	2.2715E+3	VAR
VAR Line2	22/04/2009	01:30:00.000 p.m.	363.68	-635.94	1.2355E+3	VAR
VAR Line3	22/04/2009	01:30:00.000 p.m.	925.99	0.0000	1.5423E+3	VAR
VAR Suma	22/04/2009	01:30:00.000 p.m.	2.5853E+3	1.1336E+3	3.9496E+3	VAR
VA Line1	22/04/2009	01:30:00.000 p.m.	6.1616E+3	2.5960E+3	10.152E+3	VA
VA Line2	22/04/2009	01:30:00.000 p.m.	5.7987E+3	2.4420E+3	8.6875E+3	VA
VA Line3	22/04/2009	01:30:00.000 p.m.	5.4194E+3	0.0000	9.4708E+3	VA
VA Suma	22/04/2009	01:30:00.000 p.m.	17.380E+3	5.2499E+3	26.390E+3	VA

Tabla A.2.6

## A.2.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

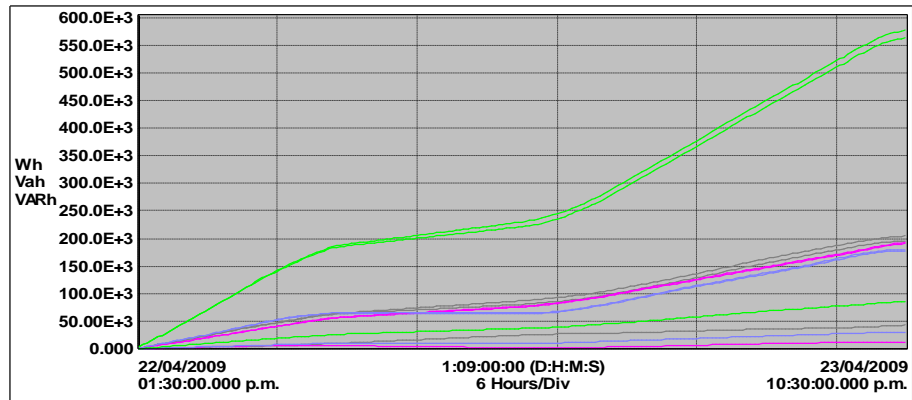


Figura A.2.7

Nombre	Fecha	Hora	Max	Unidades
W-hours Line1	22/04/2009	01:30:00.000 p.m.	195.68E+3	Wh
W-hours Line2	22/04/2009	01:30:00.000 p.m.	190.47E+3	Wh
W-hours Line3	22/04/2009	01:30:00.000 p.m.	176.91E+3	Wh
W-hours Neutral	22/04/2009	01:30:00.000 p.m.	563.06E+3	Wh
VA-hours Line1	22/04/2009	01:30:00.000 p.m.	204.36E+3	Vah
VA-hours Line2	22/04/2009	01:30:00.000 p.m.	192.32E+3	Vah
VA-hours Line3	22/04/2009	01:30:00.000 p.m.	179.74E+3	Vah
VA-hours Neutral	22/04/2009	01:30:00.000 p.m.	576.43E+3	Vah
VAR-hours Line1	22/04/2009	01:30:00.000 p.m.	42.973E+3	VARh
VAR-hours Line2	22/04/2009	01:30:00.000 p.m.	12.365E+3	VARh
VAR-hours Line3	22/04/2009	01:30:00.000 p.m.	30.712E+3	VARh
VAR-hours Neutral	22/04/2009	01:30:00.000 p.m.	85.747E+3	VARh

Tabla A.2.7

## A.2.8 FACTOR DE POTENCIA

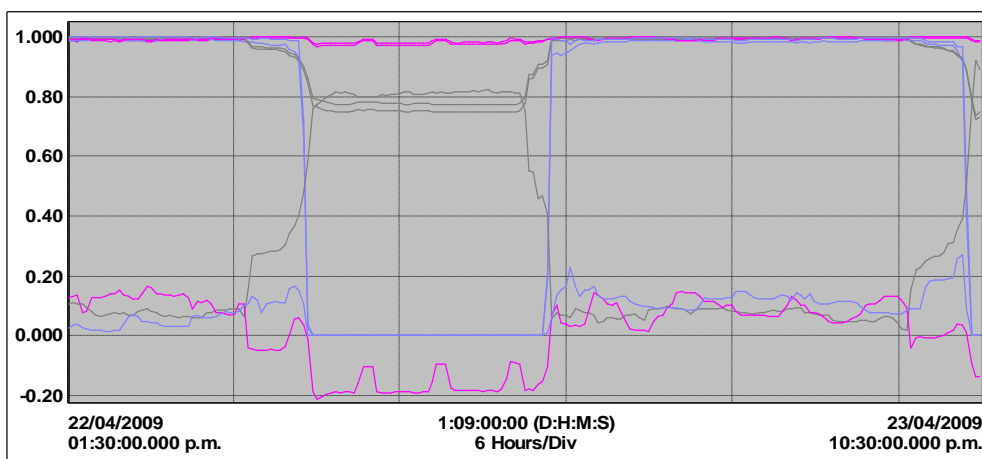
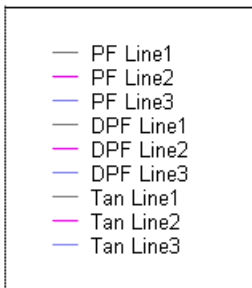


Figura A.2.8

Nombre	Fecha	Hora	Prom	Min	Max
PF Line1	22/04/2009	01:30:00.000 p.m.	0.923	0.721	0.996
PF Line2	22/04/2009	01:30:00.000 p.m.	0.987	0.968	0.997
PF Line3	22/04/2009	01:30:00.000 p.m.	0.702	0.0000	0.991
DPF Line1	22/04/2009	01:30:00.000 p.m.	0.933	0.736	0.999
DPF Line2	22/04/2009	01:30:00.000 p.m.	0.992	0.975	1.0000
DPF Line3	22/04/2009	01:30:00.000 p.m.	0.711	0.0000	1.0000
Tan Line1	22/04/2009	01:30:00.000 p.m.	0.301	17.000E-3	0.919
Tan Line2	22/04/2009	01:30:00.000 p.m.	9.4121E-3	-0.215	0.163
Tan Line3	22/04/2009	01:30:00.000 p.m.	72.794E-3	0.0000	0.271

Tabla A.2.8

### A.2.9 TRANSITORIOS DE VOLTAJE

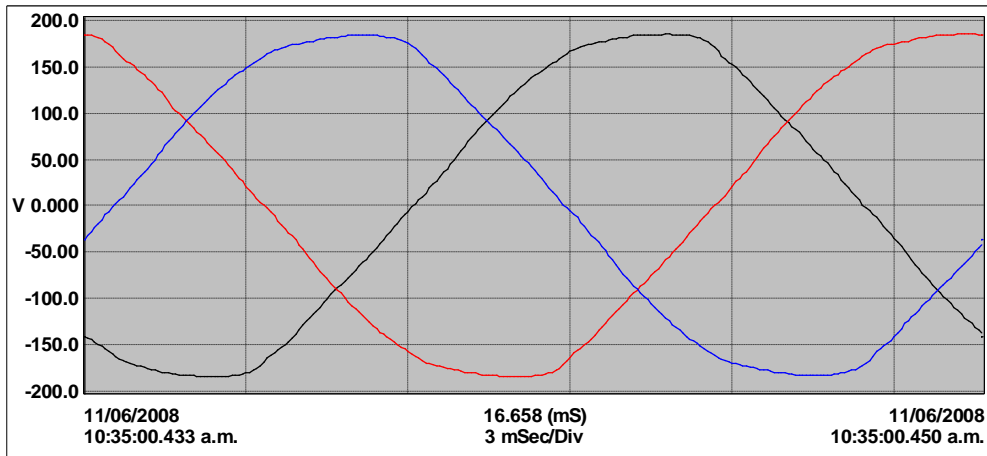
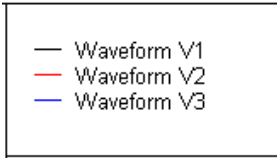
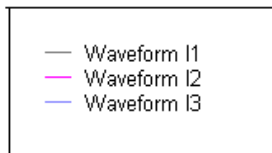


Figura A.2.9

### A.2.10 TRANSITORIOS DE CORRIENTE



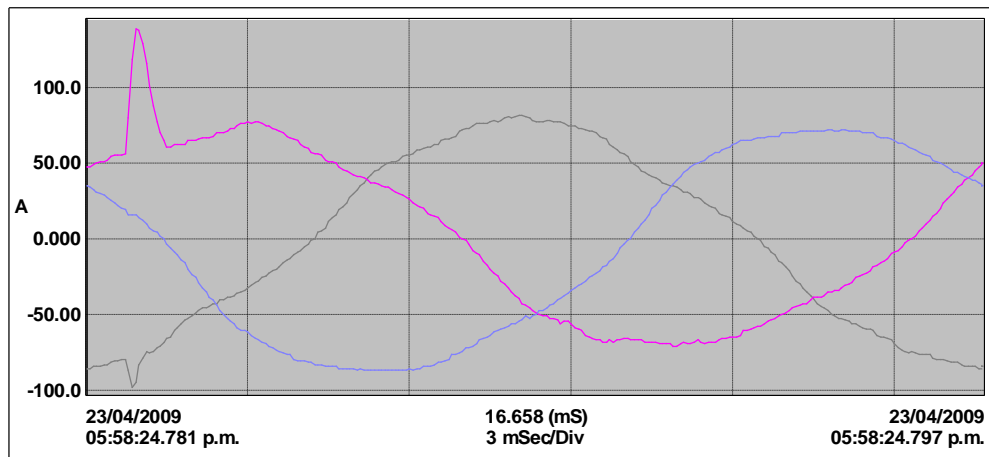


Figura A.2.10

### A.3 SECCIÓN. PRIMER PISO, LADO IZQUIERDO

#### A.3.1 TENSIÓN DE FASE A NEUTRO

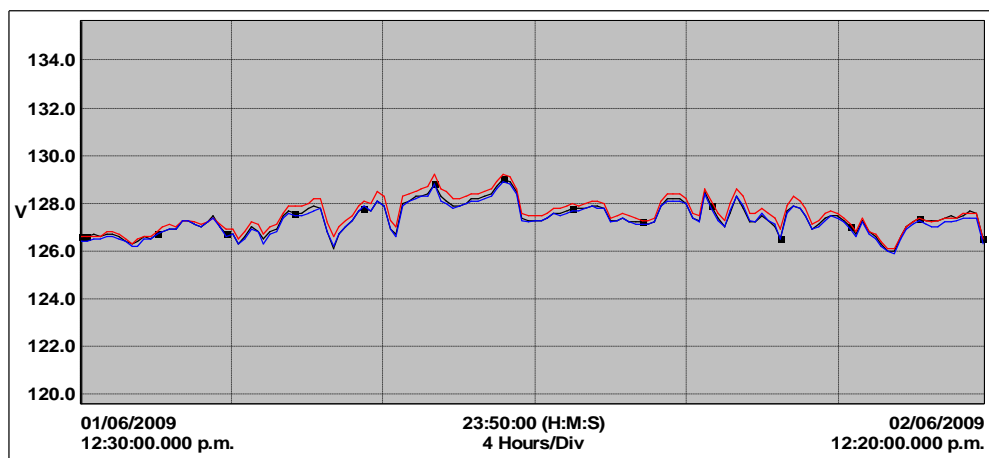
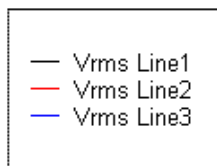


Figura A.3.1



Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Lineal	01/06/2009	12:30:00.000 p.m.	127.37	126.00	129.00	V
Vrms Linea2	01/06/2009	12:30:00.000 p.m.	127.55	126.10	129.20	V
Vrms Linea3	01/06/2009	12:30:00.000 p.m.	127.31	125.90	128.90	V

Tabla A.3.1

### A.3.2 TENSIÓN DE FASE A FASE

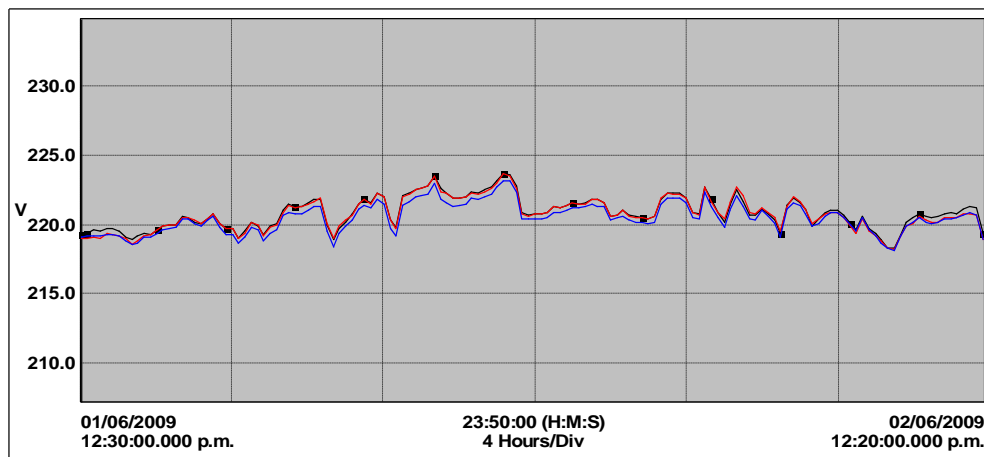
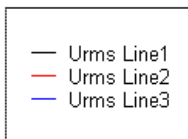


Figura A.3.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Lineal	01/06/2009	12:30:00.000 p.m.	220.86	218.30	223.70	V
Urms Linea2	01/06/2009	12:30:00.000 p.m.	220.78	218.20	223.70	V
Urms Linea3	01/06/2009	12:30:00.000 p.m.	220.49	218.10	223.20	V

Tabla A.3.2

### A.3.3 CORRIENTE

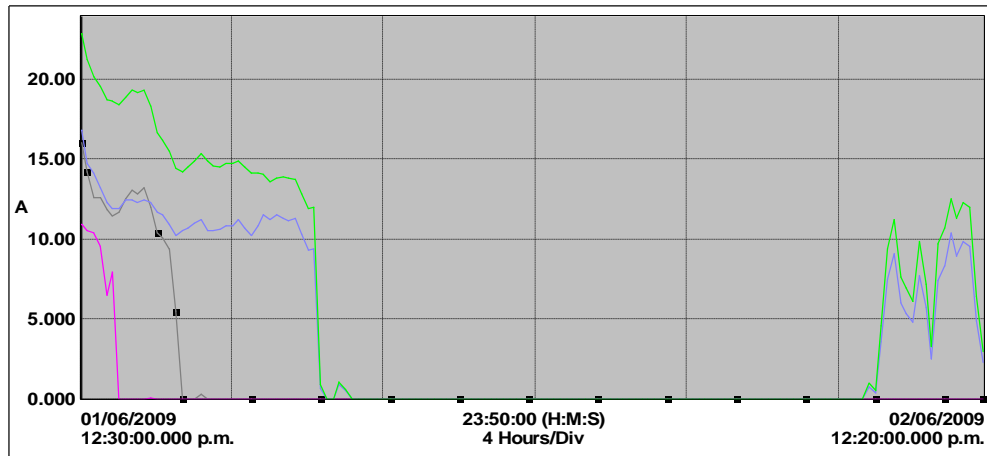
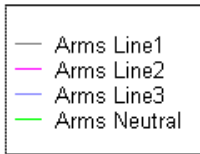


Figura A.3.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Linea1	01/06/2009	12:30:00.000 p.m.	1.3160	0.0000	16.000	A
Arms Linea2	01/06/2009	12:30:00.000 p.m.	0.388	0.0000	10.900	A
Arms Linea3	01/06/2009	12:30:00.000 p.m.	3.8500	0.0000	16.800	A
Arms Neutral	01/06/2009	12:30:00.000 p.m.	5.2382	0.0000	22.800	A

Tabla A.3.3



### A.3.4 FRECUENCIA

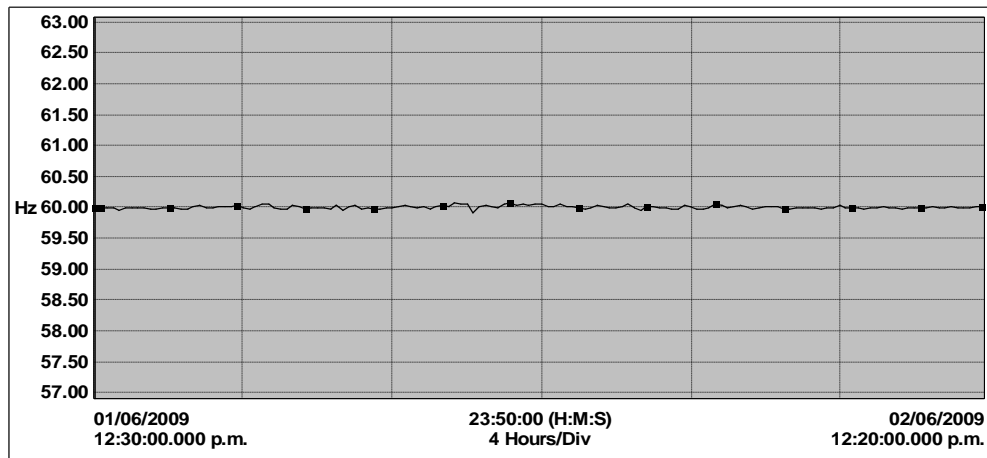


Figura A.3.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	01/06/2009	12:30:00.000 p.m.	1:00:00:00	(D:H:M:S)	59.995	59.900	60.070	144

Tabla A.3.4



### A.3.5. ARMÓNICOS

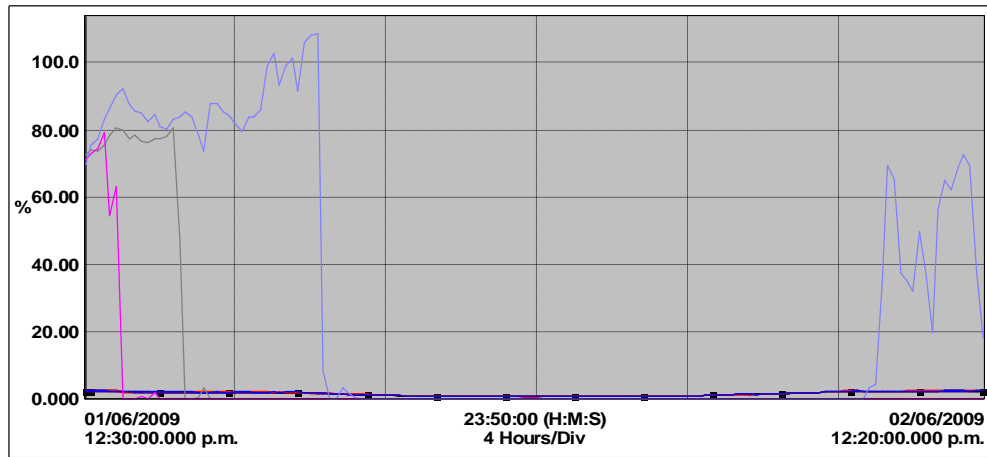
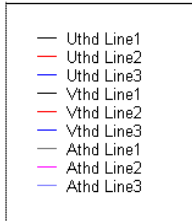


Figura A.3.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Linea1	01/06/2009	12:30:00.000 p.m.	1.4701	0.700	2.3000	⊘
Uthd Linea2	01/06/2009	12:30:00.000 p.m.	1.3958	0.600	2.2000	⊘
Uthd Linea3	01/06/2009	12:30:00.000 p.m.	1.4278	0.700	2.3000	⊘
Vthd Linea1	01/06/2009	12:30:00.000 p.m.	1.5160	0.700	2.5000	⊘
Vthd Linea2	01/06/2009	12:30:00.000 p.m.	1.5222	0.500	2.6000	⊘
Vthd Linea3	01/06/2009	12:30:00.000 p.m.	1.5174	0.700	2.4000	⊘
Athd Linea1	01/06/2009	12:30:00.000 p.m.	8.3722	0.0000	80.500	⊘
Athd Linea2	01/06/2009	12:30:00.000 p.m.	2.9028	0.0000	79.200	⊘
Athd Linea3	01/06/2009	12:30:00.000 p.m.	28.949	0.0000	108.50	⊘

Tabla A.3.5.1

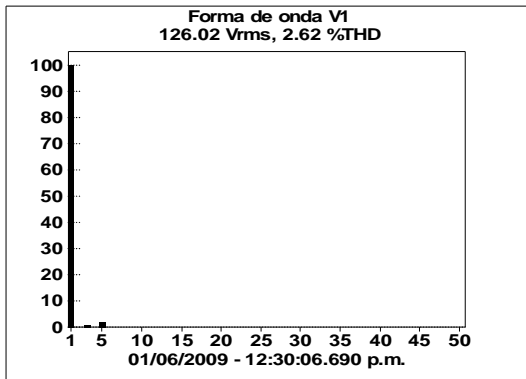


Figura A.3.5.2

Harmónicos (%)		
H01	100.0	
H02	0.1	
H03	1.2	
H04	0.1	
H05	2.3	
H06	0.0	
H07	0.2	
H08	0.0	
H09	0.2	
H10	0.0	
H11	0.3	
H12	0.0	
H13	0.2	
H14	0.0	
H15	0.1	
H16	0.0	
H17	0.1	
H18	0.0	
H19	0.0	
H20	0.0	
H21	0.0	
H22	0.0	
H23	0.1	
H24	0.0	
H25	0.0	
H26	0.0	
H27	0.1	
H28	0.0	
H29	0.1	
H30	0.0	
H31	0.0	
H32	0.0	
H33	0.0	
H34	0.0	
H35	0.0	
H36	0.0	
H37	0.0	
H38	0.0	
H39	0.0	
H40	0.0	
H41	0.0	
H42	0.0	
H43	0.0	
H44	0.0	
H45	0.0	
H46	0.0	
H47	0.0	
H48	0.0	
H49	0.0	
H50	0.0	

Tabla A.3.5.2

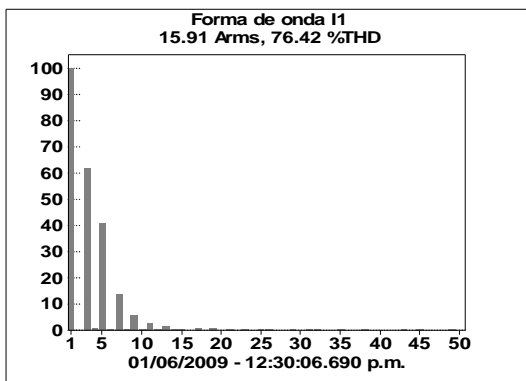


Figura A.3.5.3

Harmónicos (%)		
H01	100.0	
H02	0.4	
H03	62.4	
H04	0.9	
H05	41.1	
H06	0.5	
H07	14.2	
H08	0.7	
H09	6.1	
H10	0.5	
H11	3.4	
H12	0.6	
H13	2.1	
H14	0.5	
H15	0.6	
H16	0.0	
H17	0.9	
H18	0.0	
H19	1.2	
H20	0.2	
H21	0.6	
H22	0.3	
H23	0.5	
H24	0.2	
H25	0.6	
H26	0.6	
H27	0.4	
H28	0.3	
H29	0.5	
H30	0.1	
H31	0.8	
H32	0.7	
H33	0.4	
H34	0.2	
H35	0.6	
H36	0.3	
H37	0.3	
H38	0.6	
H39	0.0	
H40	0.1	
H41	0.4	
H42	0.1	
H43	0.5	
H44	0.3	
H45	0.5	
H46	0.4	
H47	0.1	
H48	0.3	
H49	0.4	
H50	0.4	

Tabla A.3.5.3

### A.3.6 POTENCIA

- W Linea1
- W Linea2
- W Linea3
- W Suma
- VAR Linea
- VAR Linea
- VAR Linea
- VAR Suma
- VA Linea1
- VA Linea2
- VA Linea3
- VA Suma

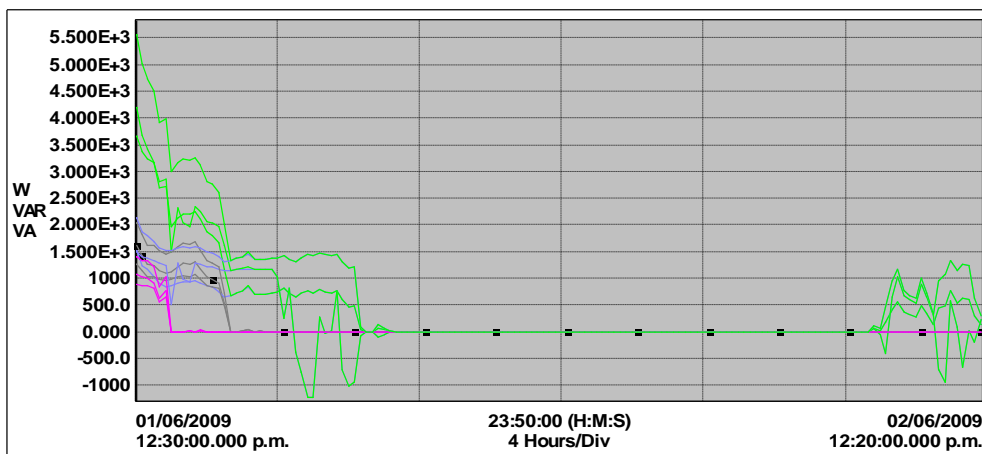


Figura A.3.6

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Linea1	01/06/2009	12:30:00.000 p.m.	128.51	0.0000	1.5989E+3	W
W Linea2	01/06/2009	12:30:00.000 p.m.	37.832	0.0000	1.0725E+3	W
W Linea3	01/06/2009	12:30:00.000 p.m.	262.66	0.0000	1.5181E+3	W
W Neutral	01/06/2009	12:30:00.000 p.m.	429.00	0.0000	4.1896E+3	W
VAR Linea1	01/06/2009	12:30:00.000 p.m.	107.47	0.0000	1.2617E+3	VAR
VAR Linea2	01/06/2009	12:30:00.000 p.m.	31.885	0.0000	877.91	VAR
VAR Linea3	01/06/2009	12:30:00.000 p.m.	194.96	-1.2416E+3	1.5025E+3	VAR
VAR Neutral	01/06/2009	12:30:00.000 p.m.	334.32	-1.2416E+3	3.6421E+3	VAR
VA Linea1	01/06/2009	12:30:00.000 p.m.	167.56	0.0000	2.0368E+3	VA
VA Linea2	01/06/2009	12:30:00.000 p.m.	49.532	0.0000	1.3861E+3	VA
VA Linea3	01/06/2009	12:30:00.000 p.m.	491.19	0.0000	2.1364E+3	VA
VA Neutral	01/06/2009	12:30:00.000 p.m.	708.28	0.0000	5.5593E+3	VA

Tabla A.3.6

### A.3.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

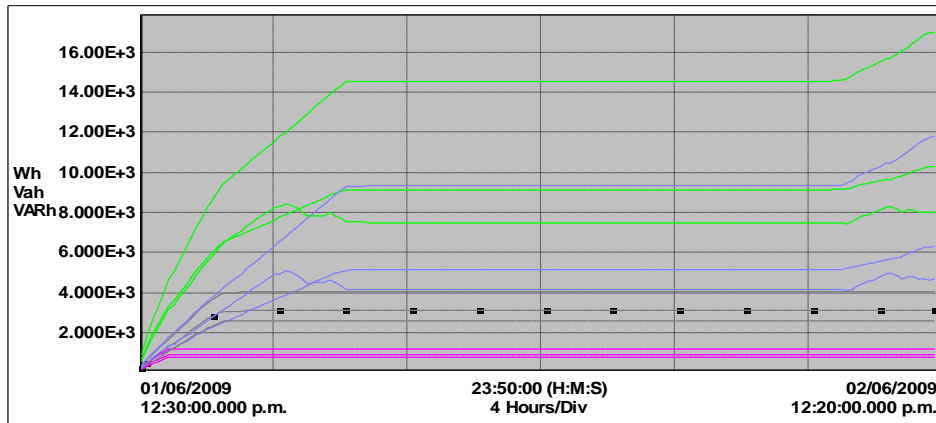


Figura A.3.7

Nombre	Fecha	Hora	Max	Unidades
W-hora Linea1	01/06/2009	12:30:00.000 p.m.	3.0842E+3	Wh
W-hora Linea2	01/06/2009	12:30:00.000 p.m.	907.96	Wh
W-hora Linea3	01/06/2009	12:30:00.000 p.m.	6.3038E+3	Wh
W-hora Neutral	01/06/2009	12:30:00.000 p.m.	10.296E+3	Wh
VA-hora Linea1	01/06/2009	12:30:00.000 p.m.	4.0214E+3	Vah
VA-hora Linea2	01/06/2009	12:30:00.000 p.m.	1.1888E+3	Vah
VA-hora Linea3	01/06/2009	12:30:00.000 p.m.	11.789E+3	Vah
VA-hora Neutral	01/06/2009	12:30:00.000 p.m.	16.999E+3	Vah
VAR-hora Linea1	01/06/2009	12:30:00.000 p.m.	2.5794E+3	VARh
VAR-hora Linea2	01/06/2009	12:30:00.000 p.m.	765.24	VARh
VAR-hora Linea3	01/06/2009	12:30:00.000 p.m.	5.0702E+3	VARh
VAR-hora Neutral	01/06/2009	12:30:00.000 p.m.	8.4148E+3	VARh

Tabla A.3.7

### A.3.8. FACTOR DE POTENCIA

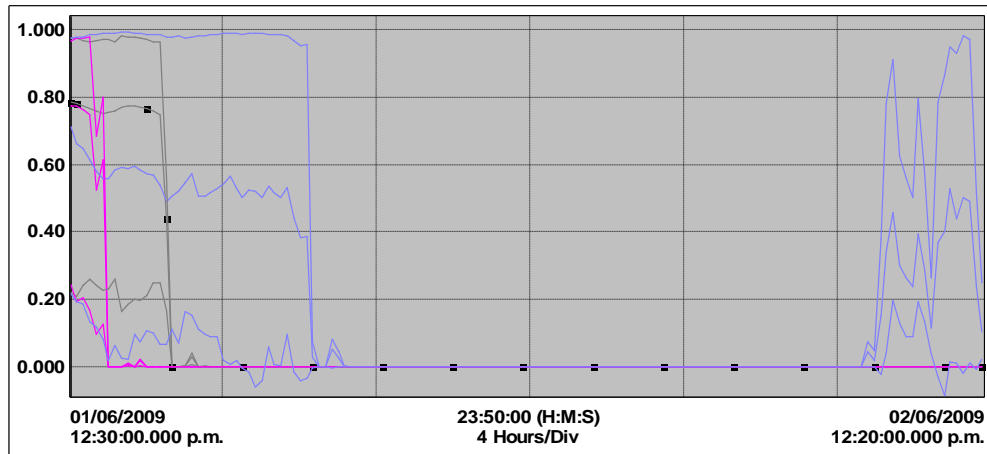
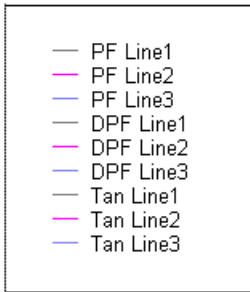


Figura A.3.8

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
PF Linea1	01/06/2009	12:30:00.000 p.m.	83.049E-3	0.0000	0.785	
PF Linea2	01/06/2009	12:30:00.000 p.m.	29.292E-3	0.0000	0.773	
PF Linea3	01/06/2009	12:30:00.000 p.m.	0.183	0.0000	0.710	
DPF Linea1	01/06/2009	12:30:00.000 p.m.	0.105	0.0000	0.983	
DPF Linea2	01/06/2009	12:30:00.000 p.m.	37.535E-3	0.0000	0.979	
DPF Linea3	01/06/2009	12:30:00.000 p.m.	0.342	0.0000	0.992	
Tan Linea1	01/06/2009	12:30:00.000 p.m.	24.354E-3	0.0000	0.260	
Tan Linea2	01/06/2009	12:30:00.000 p.m.	7.1736E-3	0.0000	0.241	
Tan Linea3	01/06/2009	12:30:00.000 p.m.	22.382E-3	-86.000E-3	0.216	

Tabla A.3.8

### A.3.9. TRANSITORIOS DE VOLTAJE

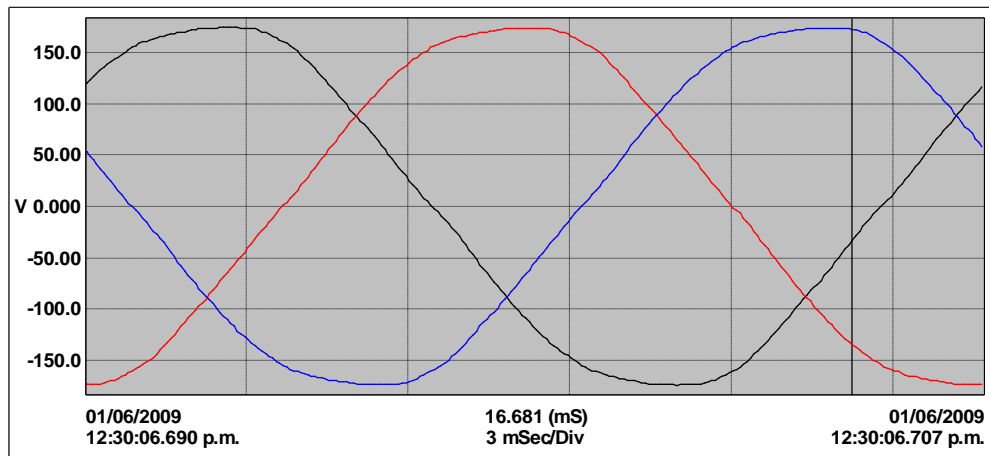
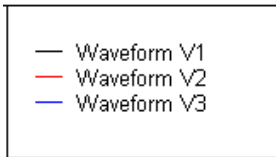
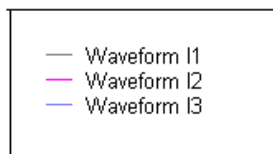


Figura A.3.9

### A.3.10 TRANSITORIOS DE CORRIENTE



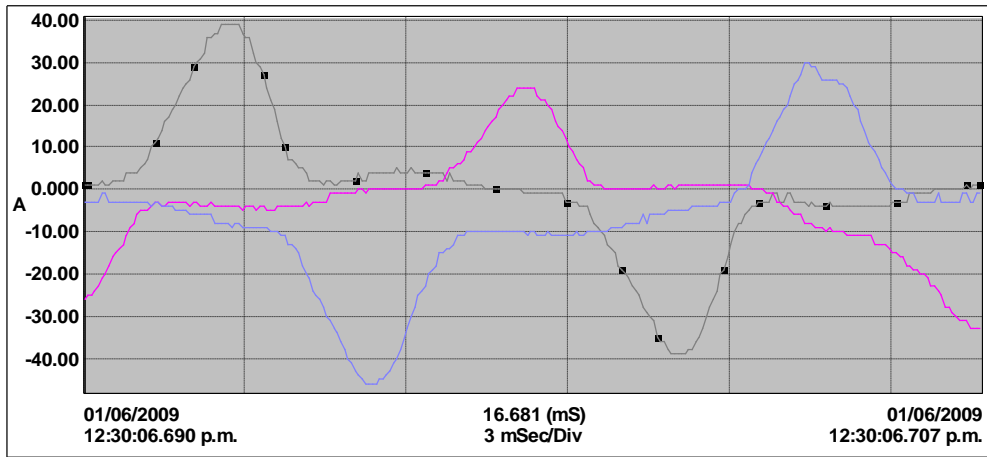


Figura 9.3.10

#### A.4 SECCIÓN. PRIMER PISO, LADO DERECHO

##### A.4.1 TENSIÓN DE FASE A NEUTRO

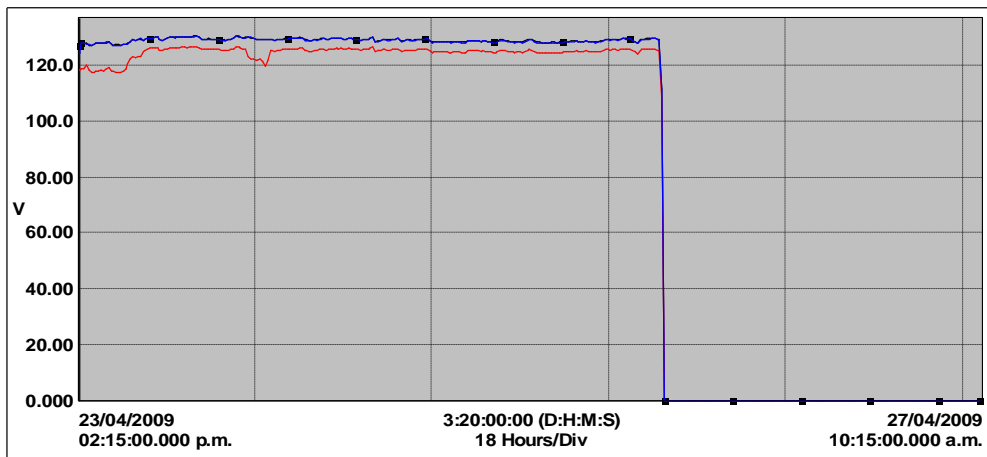
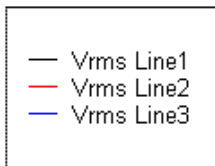


Figura A.4.1



Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Line1	23/04/2009	02:15:00.000 p.m.	83.378	0.0000	130.30	V
Vrms Line2	23/04/2009	02:15:00.000 p.m.	80.536	0.0000	126.60	V
Vrms Line3	23/04/2009	02:15:00.000 p.m.	83.310	0.0000	130.40	V

Tabla A.4.1

### A.4.2 TENSIÓN DE FASE A FASE

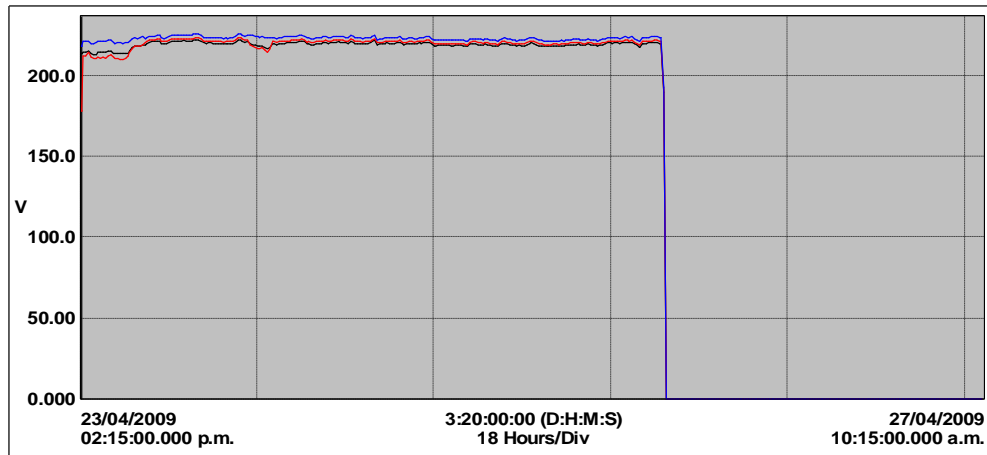
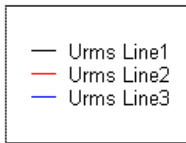


Figura A.4.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Line1	23/04/2009	02:15:00.000 p.m.	141.76	0.0000	221.80	V
Urms Line2	23/04/2009	02:15:00.000 p.m.	142.17	0.0000	223.50	V
Urms Line3	23/04/2009	02:15:00.000 p.m.	144.25	0.0000	225.60	V

Tabla A.4.2



### A.4.3 CORRIENTE

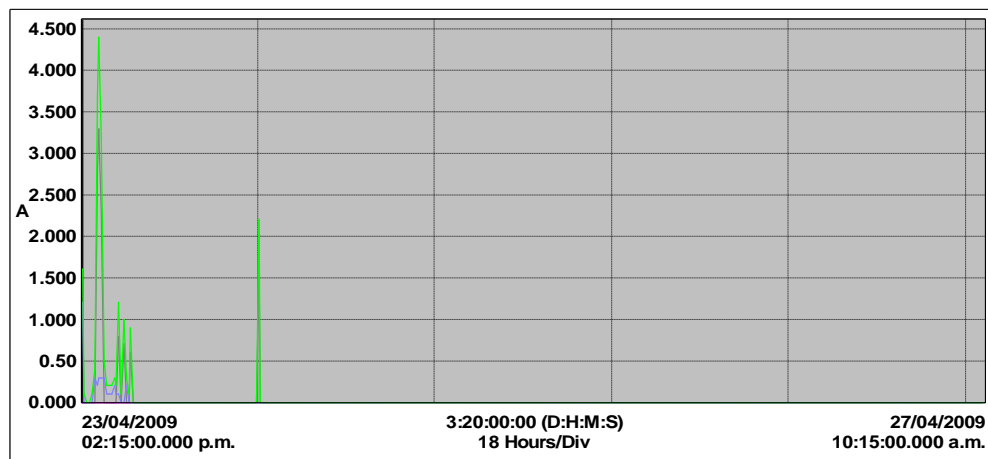
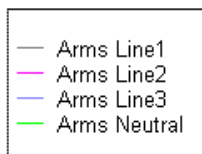


Figura A.4.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Line1	23/04/2009	02:15:00.000 p.m.	32.791E-3	0.0000	3.3000	A
Arms Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	A
Arms Line3	23/04/2009	02:15:00.000 p.m.	9.4851E-3	0.0000	1.2000	A
Arms Neutral	23/04/2009	02:15:00.000 p.m.	56.640E-3	0.0000	4.4000	A

Tabla A.4.3

### A.4.4 FRECUENCIA

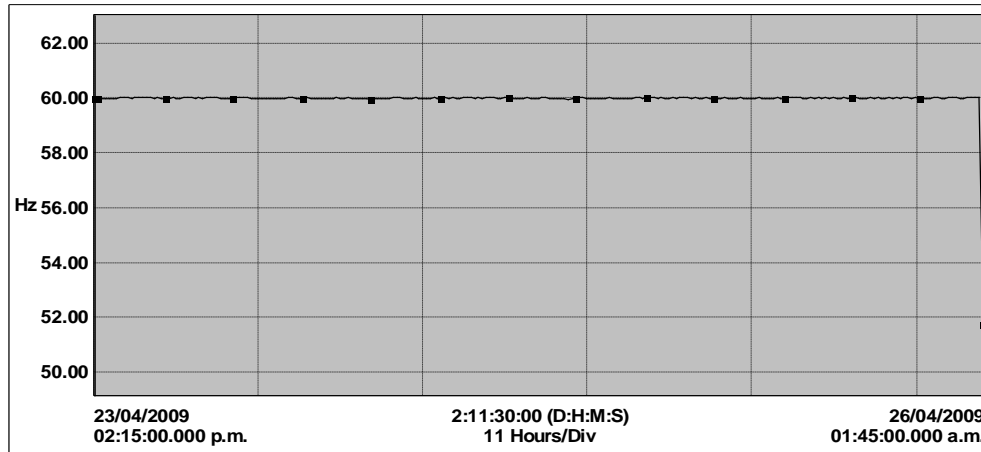


Figura A.4.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	23/04/2009	02:15:00.000 p.m.	2:11:45:00	(D:H:M:S)	59.957	51.720	60.030	239

Tabla A.4.4

### A.4.5 ARMÓNICOS

—	Uthd Line1
—	Uthd Line2
—	Uthd Line3
—	Vthd Line1
—	Vthd Line2
—	Vthd Line3
—	Athd Line1
—	Athd Line2
—	Athd Line3

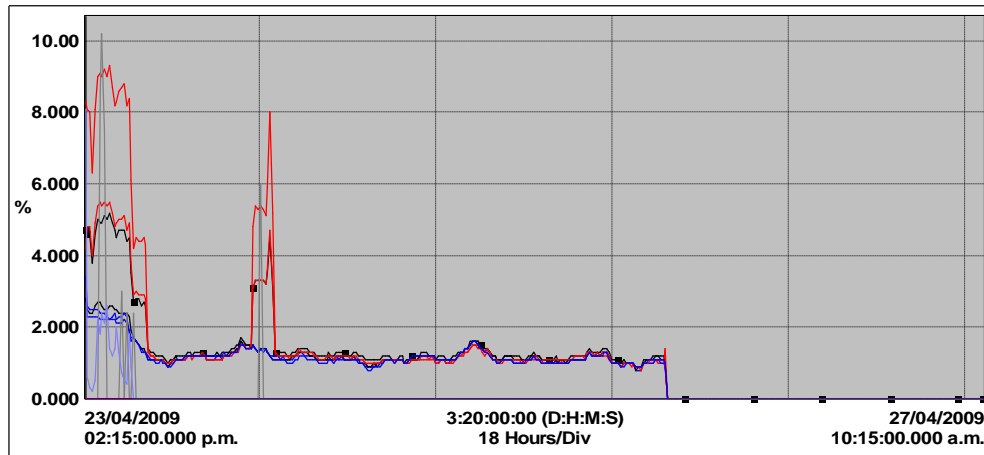


Figura A.4.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Line1	23/04/2009	02:15:00.000 p.m.	1.0566	0.0000	5.2000	%
Uthd Line2	23/04/2009	02:15:00.000 p.m.	1.0176	0.0000	5.5000	%
Uthd Line3	23/04/2009	02:15:00.000 p.m.	0.798	0.0000	2.8000	%
Vthd Line1	23/04/2009	02:15:00.000 p.m.	0.830	0.0000	2.8000	%
Vthd Line2	23/04/2009	02:15:00.000 p.m.	1.2967	0.0000	9.3000	%
Vthd Line3	23/04/2009	02:15:00.000 p.m.	0.801	0.0000	3.4000	%
Athd Line1	23/04/2009	02:15:00.000 p.m.	0.109	0.0000	10.200	%
Athd Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	%
Athd Line3	23/04/2009	02:15:00.000 p.m.	87.805E-3	0.0000	8.1000	%

Tabla A.4.5.1

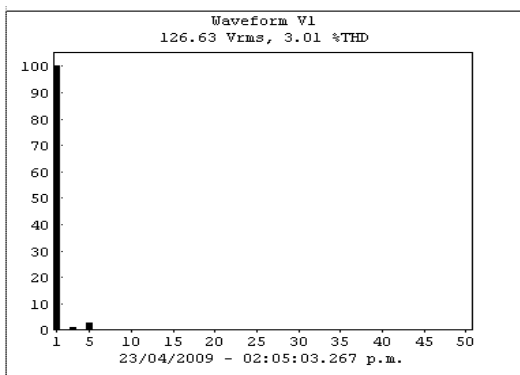


Figura A.4.5.2

Waveform V1					
	(%)		(%)		(%)
H01	100.0	H18	0.0	H35	0.0
H02	0.4	H19	0.1	H36	0.0
H03	1.2	H20	0.1	H37	0.0
H04	0.3	H21	0.1	H38	0.0
H05	2.6	H22	0.0	H39	0.0
H06	0.2	H23	0.1	H40	0.0
H07	0.1	H24	0.0	H41	0.0
H08	0.1	H25	0.0	H42	0.0
H09	0.0	H26	0.0	H43	0.0
H10	0.1	H27	0.1	H44	0.0
H11	0.3	H28	0.0	H45	0.0
H12	0.0	H29	0.1	H46	0.0
H13	0.2	H30	0.0	H47	0.1
H14	0.0	H31	0.0	H48	0.0
H15	0.2	H32	0.0	H49	0.0
H16	0.0	H33	0.1	H50	0.0
H17	0.1	H34	0.0		

Tabla A.4.5.2

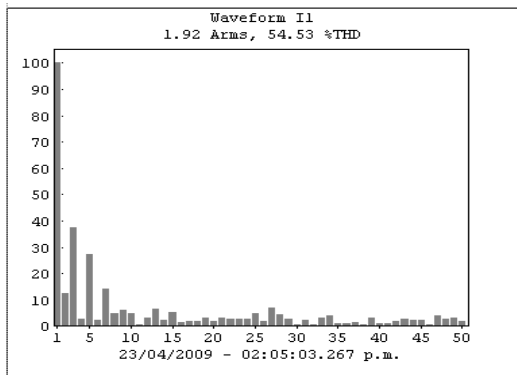


Figura A.4.5.3

Waveform II					
(%)	(%)	(%)			
H01	100.0	H18	1.9	H35	1.1
H02	12.6	H19	3.3	H36	0.9
H03	37.7	H20	1.9	H37	1.4
H04	2.9	H21	3.2	H38	0.8
H05	27.1	H22	2.9	H39	3.3
H06	2.3	H23	2.6	H40	0.9
H07	14.2	H24	2.6	H41	1.1
H08	5.0	H25	5.0	H42	1.8
H09	6.0	H26	1.9	H43	2.7
H10	4.9	H27	7.0	H44	2.3
H11	0.6	H28	4.5	H45	2.5
H12	3.3	H29	2.7	H46	0.8
H13	6.7	H30	0.8	H47	3.9
H14	2.2	H31	2.2	H48	2.9
H15	5.3	H32	0.6	H49	3.3
H16	1.3	H33	3.2	H50	1.8
H17	1.8	H34	4.1		

Tabla A.4.5.3

### A.4.6 POTENCIA

- W Linea1
- W Linea2
- W Linea3
- W Suma
- VAR Linea1
- VAR Linea2
- VAR Linea3
- VAR Suma
- VA Linea1
- VA Linea2
- VA Linea3
- VA Suma

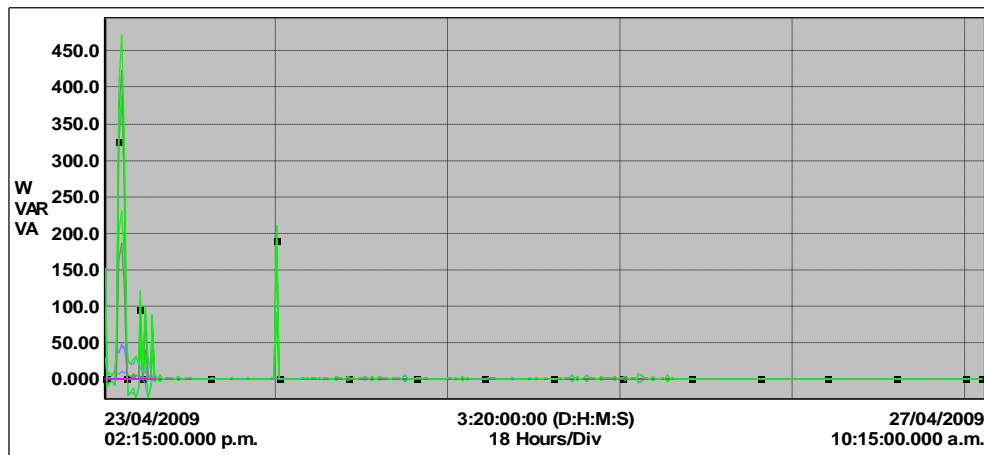


Figura A.4.6

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Line1	23/04/2009	02:15:00.000 p.m.	3.8391	0.0000	379.73	W
W Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	W
W Line3	23/04/2009	02:15:00.000 p.m.	0.278	0.0000	29.460	W
W Neutral	23/04/2009	02:15:00.000 p.m.	4.1172	0.0000	388.77	W
VAR Line1	23/04/2009	02:15:00.000 p.m.	1.8838	0.0000	186.05	VAR
VAR Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	VAR
VAR Line3	23/04/2009	02:15:00.000 p.m.	-0.132	-26.820	97.520	VAR
VAR Neutral	23/04/2009	02:15:00.000 p.m.	1.7517	-26.820	230.60	VAR
VA Line1	23/04/2009	02:15:00.000 p.m.	4.2949	0.0000	424.02	VA
VA Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	VA
VA Line3	23/04/2009	02:15:00.000 p.m.	1.9885	0.0000	151.47	VA
VA Neutral	23/04/2009	02:15:00.000 p.m.	6.2834	0.0000	471.99	VA

Tabla A.4.6

### A.4.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

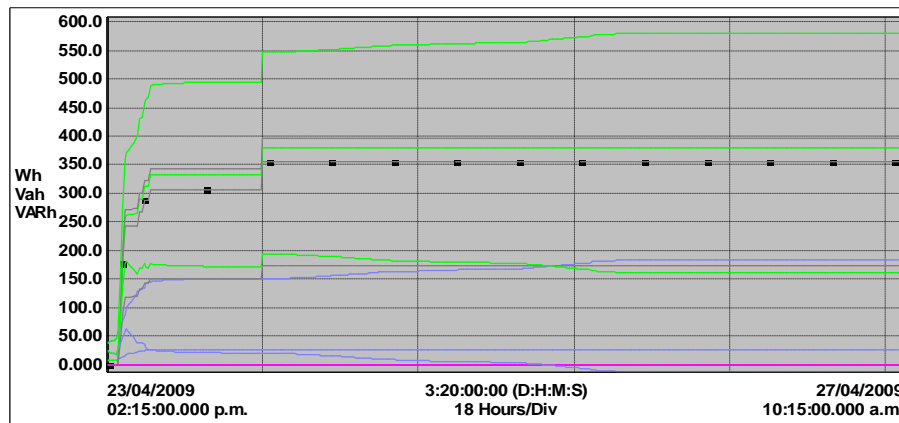


Figura A.4.7



Nombre	Fecha	Hora	Max	Unidades
W-hours Line1	23/04/2009	02:15:00.000 p.m.	354.16	Wh
W-hours Line2	23/04/2009	02:15:00.000 p.m.	0.0000	Wh
W-hours Line3	23/04/2009	02:15:00.000 p.m.	25.620	Wh
W-hours Neutral	23/04/2009	02:15:00.000 p.m.	379.78	Wh
VA-hours Line1	23/04/2009	02:15:00.000 p.m.	396.20	Vah
VA-hours Line2	23/04/2009	02:15:00.000 p.m.	0.0000	Vah
VA-hours Line3	23/04/2009	02:15:00.000 p.m.	183.44	Vah
VA-hours Neutral	23/04/2009	02:15:00.000 p.m.	579.65	Vah
VAR-hours Line1	23/04/2009	02:15:00.000 p.m.	173.78	VARh
VAR-hours Line2	23/04/2009	02:15:00.000 p.m.	0.0000	VARh
VAR-hours Line3	23/04/2009	02:15:00.000 p.m.	62.890	VARh
VAR-hours Neutral	23/04/2009	02:15:00.000 p.m.	193.69	VARh

Tabla A.4.7

### A.4.8 FACTOR DE POTENCIA

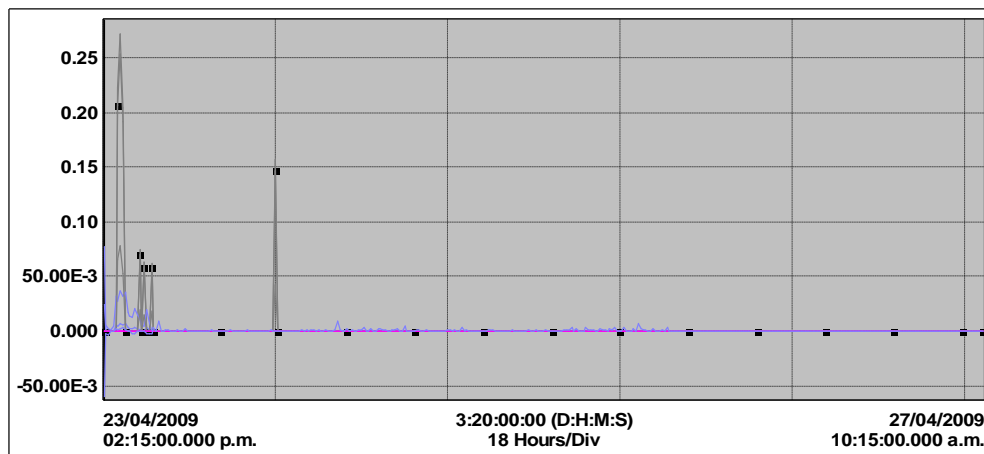
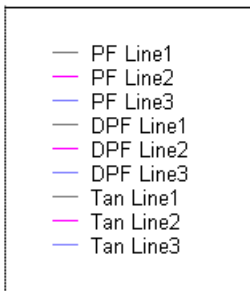


Figura A.4.8

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
PF Line1	23/04/2009	02:15:00.000 p.m.	2.6721E-3	0.0000	0.254	
PF Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	
PF Line3	23/04/2009	02:15:00.000 p.m.	205.96E-6	0.0000	24.000E-3	
DPF Line1	23/04/2009	02:15:00.000 p.m.	2.8591E-3	0.0000	0.272	
DPF Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	
DPF Line3	23/04/2009	02:15:00.000 p.m.	1.0407E-3	0.0000	77.000E-3	
Tan Line1	23/04/2009	02:15:00.000 p.m.	788.62E-6	0.0000	78.000E-3	
Tan Line2	23/04/2009	02:15:00.000 p.m.	0.0000	0.0000	0.0000	
Tan Line3	23/04/2009	02:15:00.000 p.m.	165.31E-6	-60.000E-3	9.0000E-3	

Tabla A.4.8

### A.4.9. TRANSITORIOS DE VOLTAJE

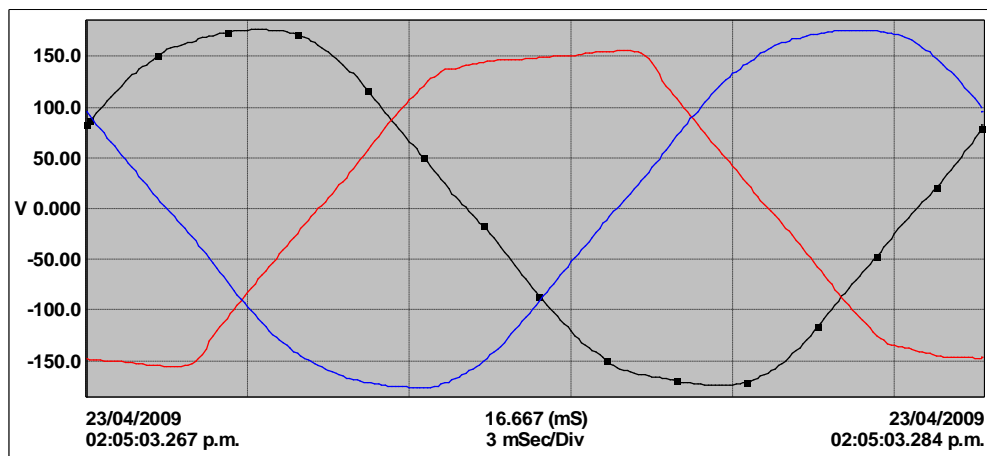
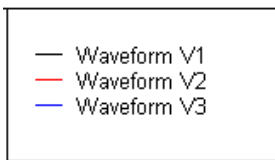


Figura A.4.9

### A.4.10 TRANSITORIOS DE CORRIENTE

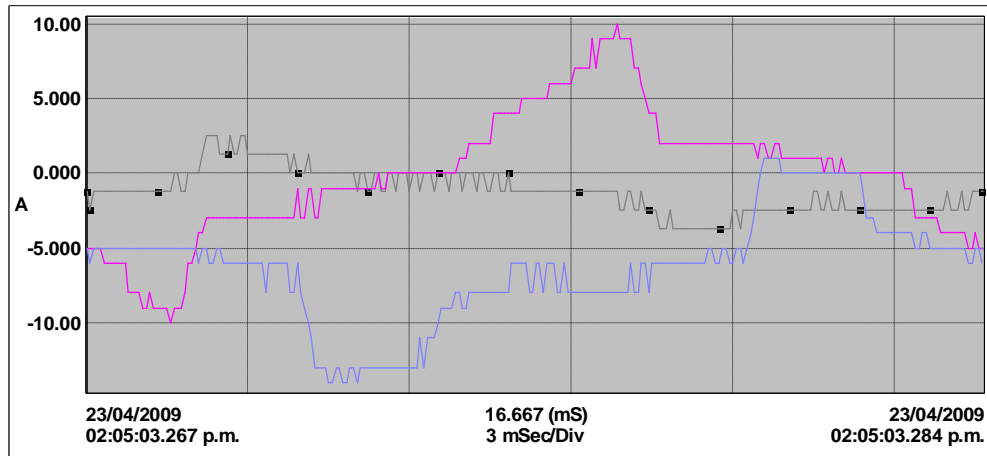
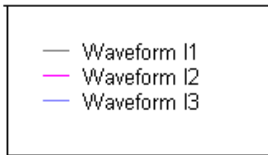
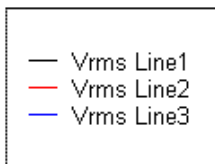


Figura A.4.10

### A.5 SECCIÓN, SEGUNDO PISO, LADO IZQUIERDO

#### A.5.1. TENSIÓN DE FASE A NEUTRO





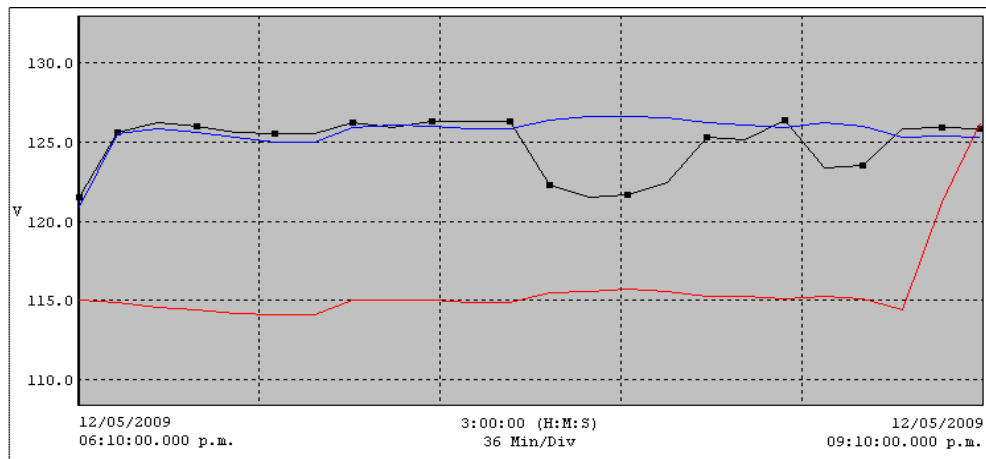


Figura A.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Linea1	12/05/2009	06:10:00.000 p.m.	124.83	121.50	126.40	V
Vrms Linea2	12/05/2009	06:10:00.000 p.m.	115.68	114.10	126.20	V
Vrms Linea3	12/05/2009	06:10:00.000 p.m.	125.63	120.90	126.60	V

Tabla A.5.1

### A.5.2 TENSIÓN DE FASE A FASE.

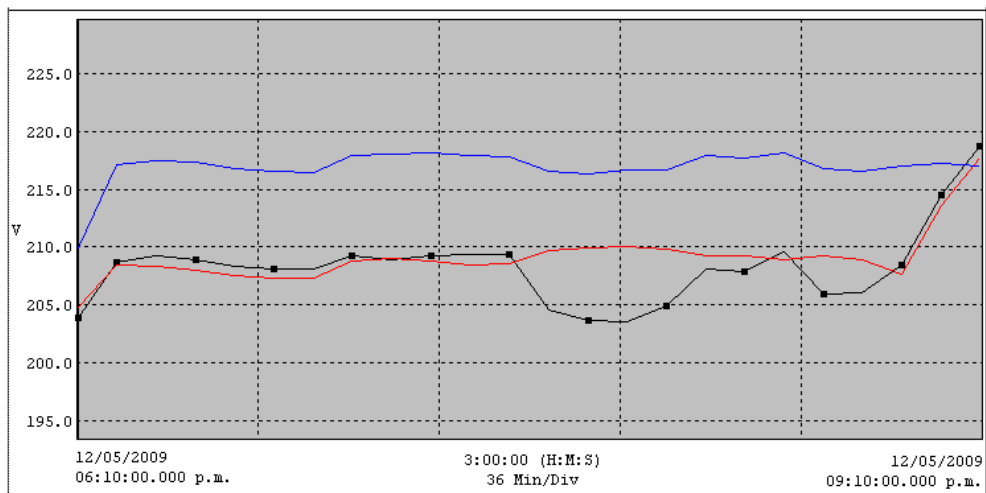
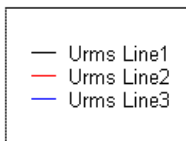


Figura A.5.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Linea1	12/05/2009	06:10:00.000 p.m.	208.23	203.60	218.70	V
Urms Linea2	12/05/2009	06:10:00.000 p.m.	209.14	204.80	217.70	V
Urms Linea3	12/05/2009	06:10:00.000 p.m.	216.90	209.90	218.10	V

Tabla A.5.2

### A.5.3 CORRIENTE

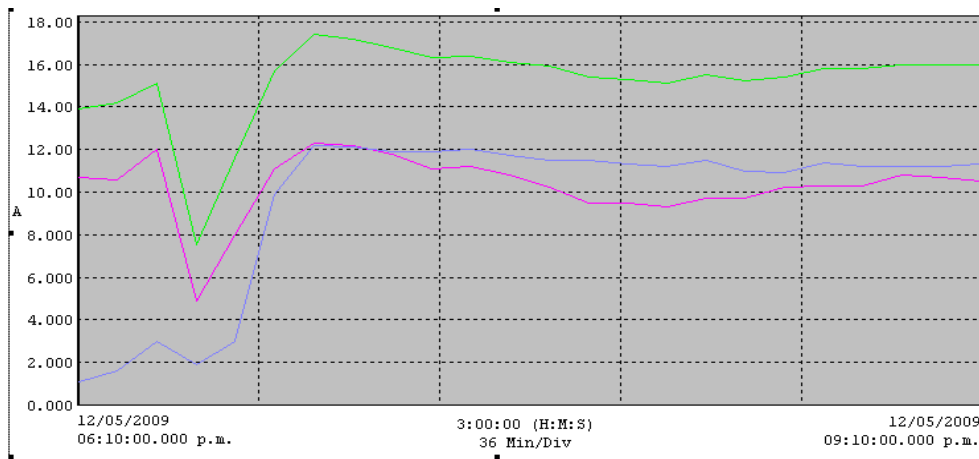
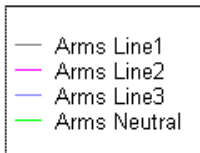


Figura A.5.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000	A
Arms Linea2	12/05/2009	06:10:00.000 p.m.	10.308	4.9000	12.300	A
Arms Linea3	12/05/2009	06:10:00.000 p.m.	9.4792	1.1000	12.200	A
Arms Neutral	12/05/2009	06:10:00.000 p.m.	15.233	7.5000	17.400	A

Tabla A.5.3



### A.5.4 FRECUENCIA

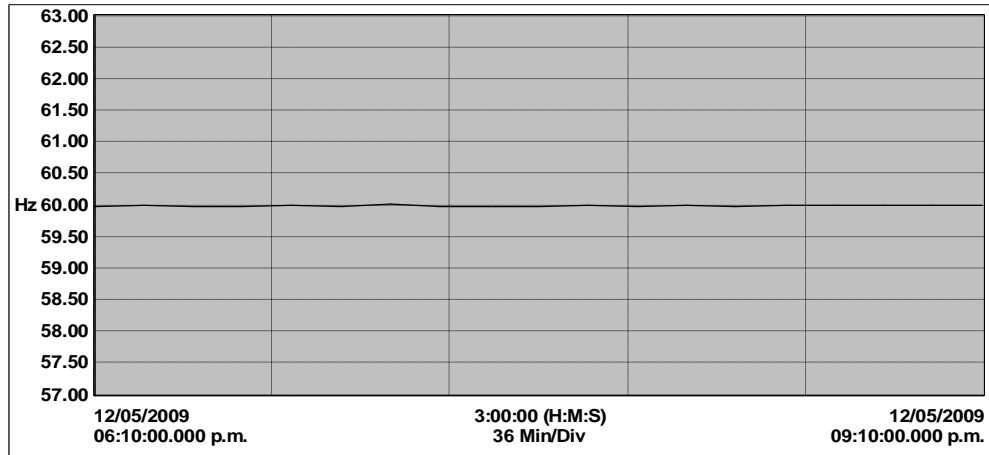


Figura A.5.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	12/05/2009	06:10:00.000 p.m.	3:10:00	(H:M:S)	59.985	59.970	60.010	24

Tabla A.5.4

### A.5.5 ARMÓNICOS

- Uthd Line1
- Uthd Line2
- Uthd Line3
- Vthd Line1
- Vthd Line2
- Vthd Line3
- Athd Line1
- Athd Line2
- Athd Line3

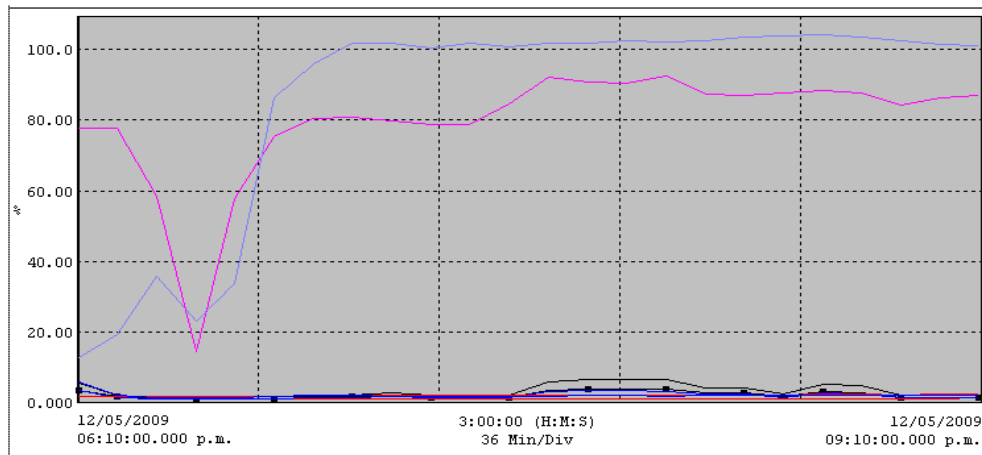


Figura A.5.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Linea1	12/05/2009	06:10:00.000 p.m.	2.1375	1.2000	3.9000	%
Uthd Linea2	12/05/2009	06:10:00.000 p.m.	1.2792	1.1000	3.3000	%
Uthd Linea3	12/05/2009	06:10:00.000 p.m.	1.9250	1.1000	3.5000	%
Vthd Linea1	12/05/2009	06:10:00.000 p.m.	3.2958	1.5000	6.5000	%
Vthd Linea2	12/05/2009	06:10:00.000 p.m.	2.0417	1.6000	2.3000	%
Vthd Linea3	12/05/2009	06:10:00.000 p.m.	2.0292	1.5000	6.0000	%
Athd Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000	%
Athd Linea2	12/05/2009	06:10:00.000 p.m.	79.504	14.600	92.600	%
Athd Linea3	12/05/2009	06:10:00.000 p.m.	85.188	12.700	104.20	%

Tabla A.5.5.1

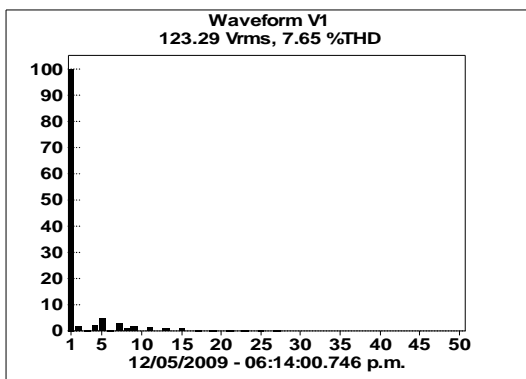


Figura A.5.5.2

Waveform V1					
	(%)		(%)		(%)
H01	100.0	H18	0.2	H35	0.3
H02	2.1	H19	0.8	H36	0.1
H03	0.8	H20	0.0	H37	0.2
H04	2.4	H21	0.8	H38	0.1
H05	4.9	H22	0.2	H39	0.3
H06	0.6	H23	0.8	H40	0.1
H07	3.2	H24	0.2	H41	0.2
H08	0.9	H25	0.5	H42	0.1
H09	1.8	H26	0.2	H43	0.2
H10	0.4	H27	0.5	H44	0.1
H11	1.7	H28	0.2	H45	0.1
H12	0.2	H29	0.4	H46	0.1
H13	1.1	H30	0.1	H47	0.1
H14	0.2	H31	0.4	H48	0.1
H15	0.9	H32	0.1	H49	0.1
H16	0.2	H33	0.3	H50	0.1
H17	0.6	H34	0.0		

Tabla A.5.5.2

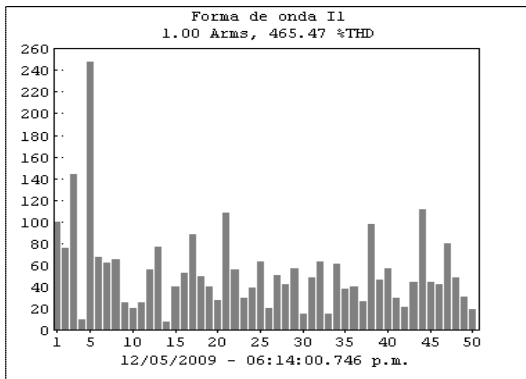


Figura A.5.5.3

Forma de onda I1			
	(%)	(%)	(%)
H01	100.0	H18	49.3
H02	75.5	H19	39.9
H03	144.3	H20	28.0
H04	9.7	H21	108.3
H05	247.2	H22	55.7
H06	68.0	H23	29.8
H07	61.8	H24	39.4
H08	65.9	H25	63.4
H09	25.2	H26	20.6
H10	20.4	H27	50.6
H11	26.1	H28	41.9
H12	55.7	H29	57.0
H13	76.8	H30	15.4
H14	7.9	H31	48.2
H15	40.2	H32	63.7
H16	52.4	H33	15.4
H17	88.9	H34	60.9
		H35	38.1
		H36	39.9
		H37	26.2
		H38	98.3
		H39	46.8
		H40	56.9
		H41	29.9
		H42	21.0
		H43	44.3
		H44	111.7
		H45	44.5
		H46	42.1
		H47	80.1
		H48	48.8
		H49	30.4
		H50	19.4

Tabla A.5.5.3

### A.5.6 POTENCIA

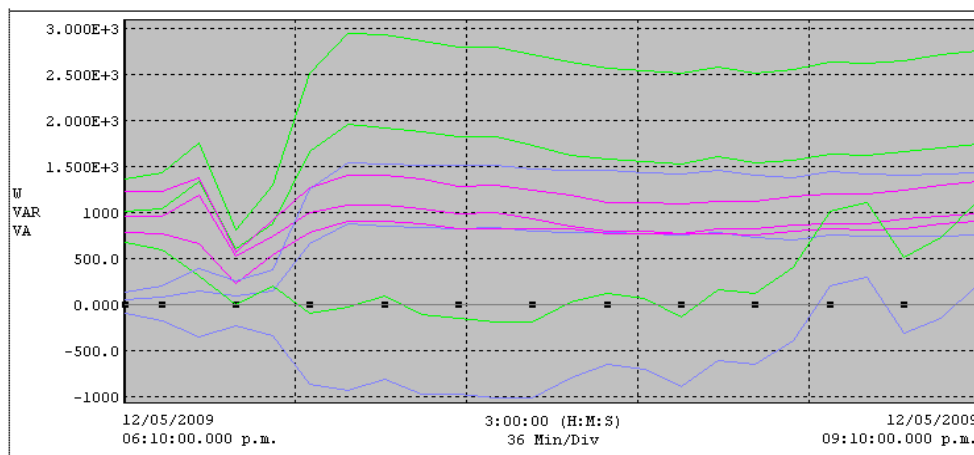
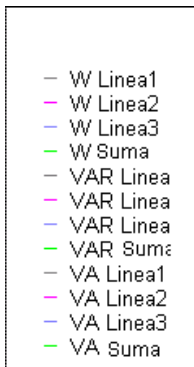


Figura A.5.6



Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000	W
W Linea2	12/05/2009	06:10:00.000 p.m.	908.49	517.29	1.1868E+3	W
W Linea3	12/05/2009	06:10:00.000 p.m.	632.64	51.220	880.62	W
W Neutral	12/05/2009	06:10:00.000 p.m.	1.5411E+3	608.13	1.9612E+3	W
VAR Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000	VAR
VAR Linea2	12/05/2009	06:10:00.000 p.m.	773.24	219.54	904.16	VAR
VAR Linea3	12/05/2009	06:10:00.000 p.m.	-512.51	-1.0216E+3	287.88	VAR
VAR Neutral	12/05/2009	06:10:00.000 p.m.	260.72	-197.53	1.1139E+3	VAR
VA Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000	VA
VA Linea2	12/05/2009	06:10:00.000 p.m.	1.1973E+3	562.07	1.4090E+3	VA
VA Linea3	12/05/2009	06:10:00.000 p.m.	1.1993E+3	137.36	1.5365E+3	VA
VA Neutral	12/05/2009	06:10:00.000 p.m.	2.3966E+3	808.71	2.9455E+3	VA

Tabla A.5.6

### A.5.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

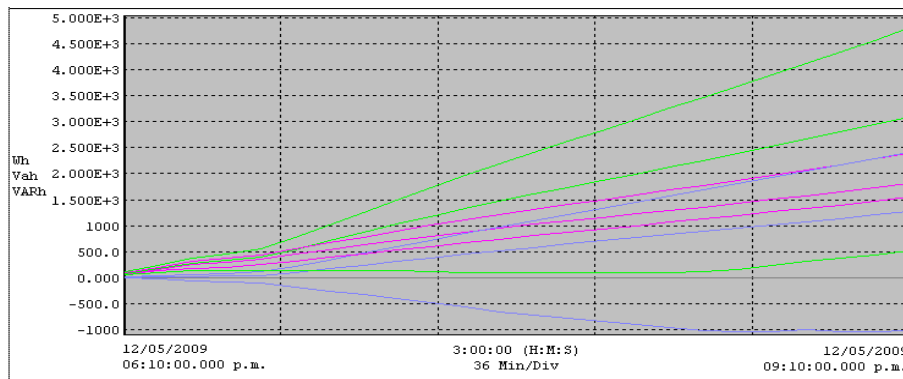


Figura A.5.7



Nombre	Fecha	Hora	Max	Unidades
W-hora Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	Wh
W-hora Linea2	12/05/2009	06:10:00.000 p.m.	1.8170E+3	Wh
W-hora Linea3	12/05/2009	06:10:00.000 p.m.	1.2653E+3	Wh
W-hora Neutral	12/05/2009	06:10:00.000 p.m.	3.0823E+3	Wh
VA-hora Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	Vah
VA-hora Linea2	12/05/2009	06:10:00.000 p.m.	2.3947E+3	Vah
VA-hora Linea3	12/05/2009	06:10:00.000 p.m.	2.3986E+3	Vah
VA-hora Neutral	12/05/2009	06:10:00.000 p.m.	4.7932E+3	Vah
VAR-hora Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	VARh
VAR-hora Linea2	12/05/2009	06:10:00.000 p.m.	1.5465E+3	VARh
VAR-hora Linea3	12/05/2009	06:10:00.000 p.m.	-8.4100	VARh
VAR-hora Neutral	12/05/2009	06:10:00.000 p.m.	521.44	VARh

Tabla A.5.7

### A.5.8 FACTOR DE POTENCIA

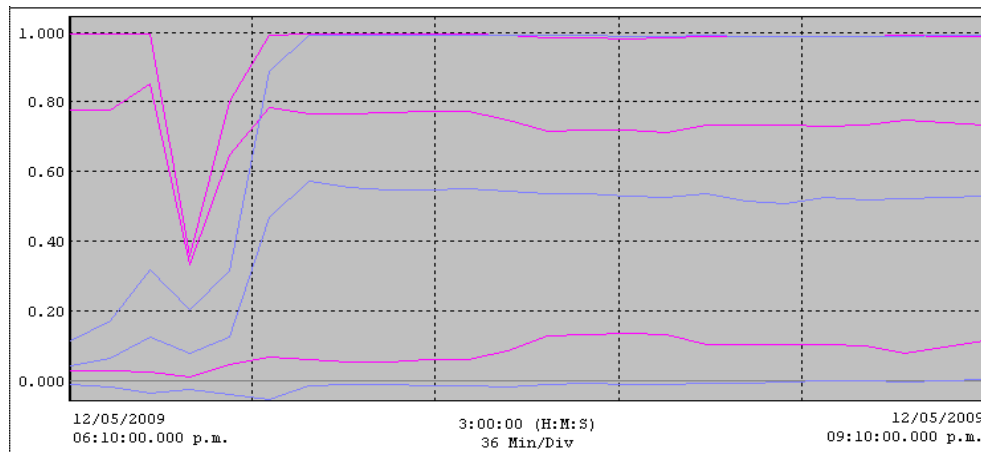
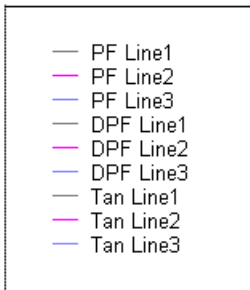


Figura A.5.8

Nombre	Fecha	Hora	Prom	Min	Max
PF Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000
PF Linea2	12/05/2009	06:10:00.000 p.m.	0.729	0.331	0.850
PF Linea3	12/05/2009	06:10:00.000 p.m.	0.439	44.000E-3	0.573
DPF Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000
DPF Linea2	12/05/2009	06:10:00.000 p.m.	0.956	0.358	0.995
DPF Linea3	12/05/2009	06:10:00.000 p.m.	0.826	0.115	0.992
Tan Linea1	12/05/2009	06:10:00.000 p.m.	0.0000	0.0000	0.0000
Tan Linea2	12/05/2009	06:10:00.000 p.m.	79.625E-3	9.0000E-3	0.137
Tan Linea3	12/05/2009	06:10:00.000 p.m.	-13.875E-3	-55.000E-3	2.0000E-3

Tabla A.5.8

### A.5.9 TRANSITORIOS DE VOLTAJE

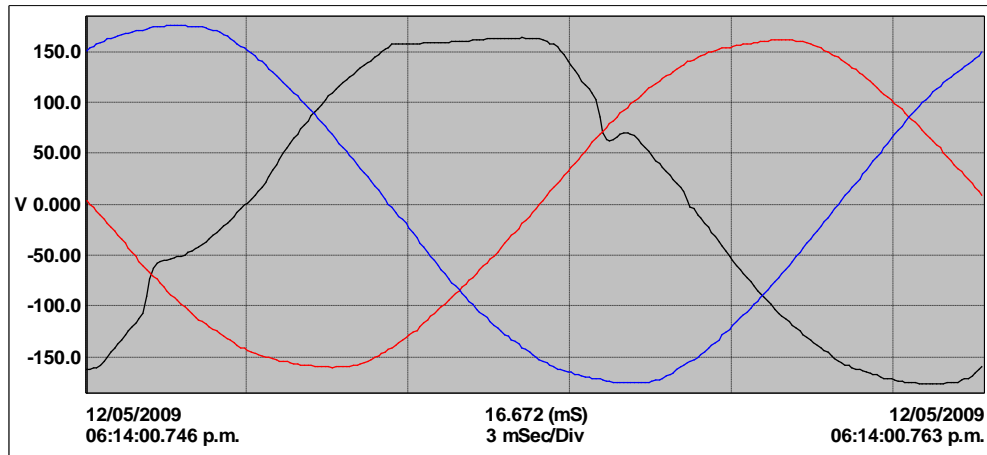
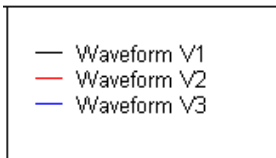


Figura A.5.9



### A.5.10 TRANSITORIOS DE CORRIENTE

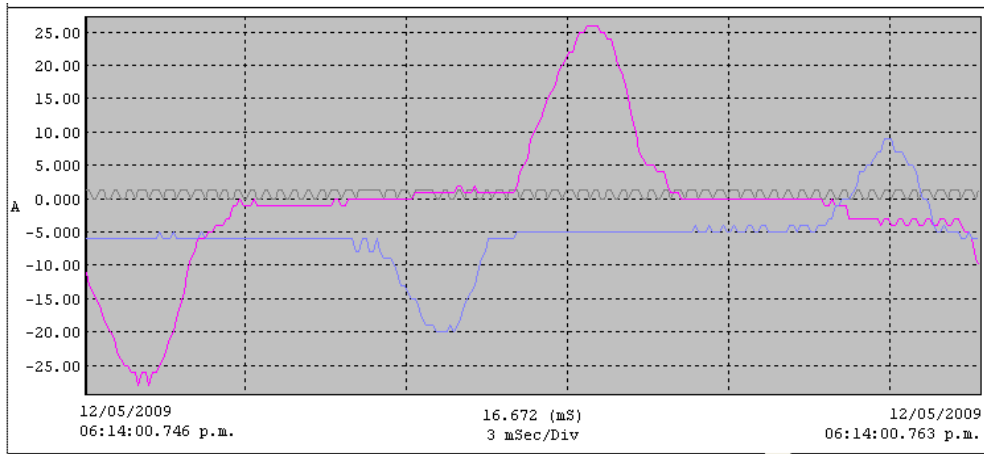
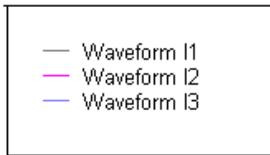
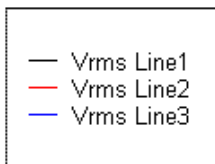


Figura A.5.10

### A.6 SECCIÓN, SEGUNDO PISO, LADO DERECHO

#### A.6.1 TENSIÓN DE FASE A NEUTRO



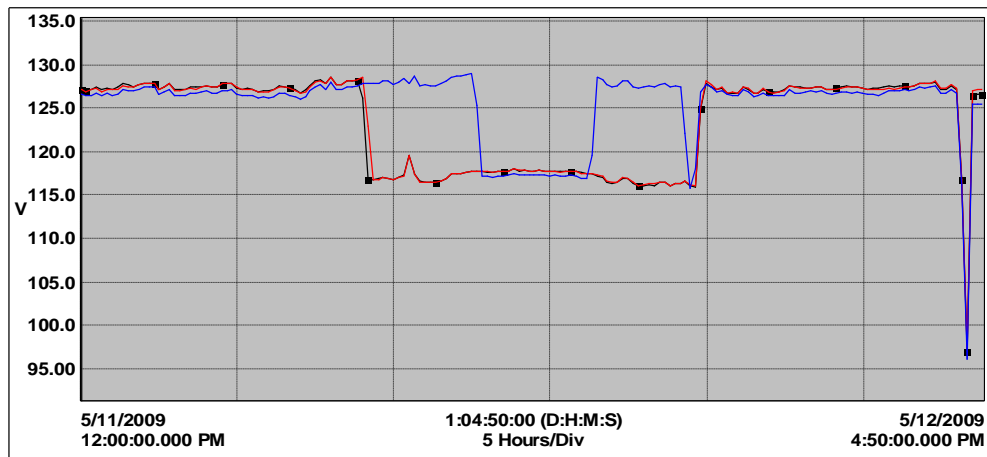


Figura A.6.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Line1	5/11/2009	12:00:00.000 PM	123.35	96.900	128.50	V
Vrms Line2	5/11/2009	12:00:00.000 PM	123.40	97.300	128.50	V
Vrms Line3	5/11/2009	12:00:00.000 PM	125.47	96.100	129.00	V

Tabla A.6.1

### A.6.2 TENSIÓN DE FASE A FASE

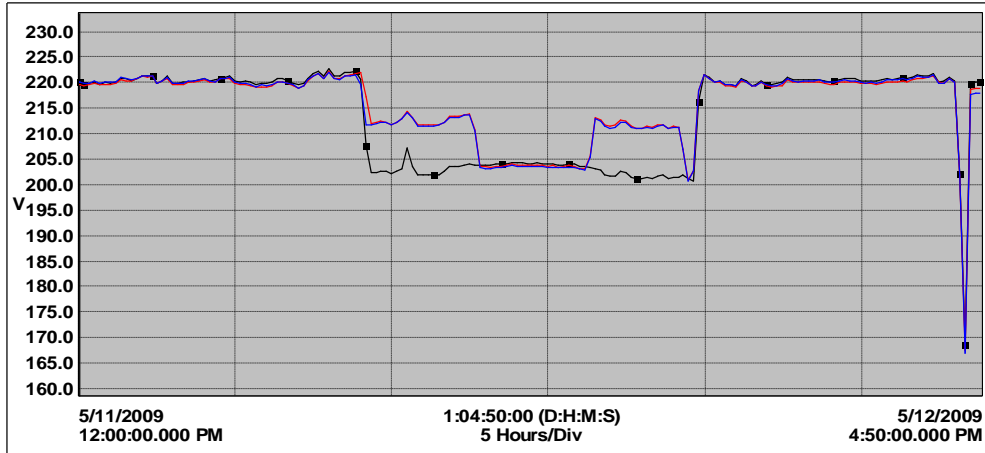
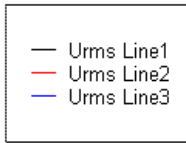
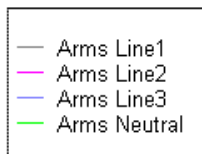


Figura A.6.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Line1	5/11/2009	12:00:00.000 PM	213.65	168.50	222.60	V
Urms Line2	5/11/2009	12:00:00.000 PM	215.58	167.50	222.30	V
Urms Line3	5/11/2009	12:00:00.000 PM	215.55	166.90	222.10	V

Tabla A.6.2

### A.6.3 CORRIENTE



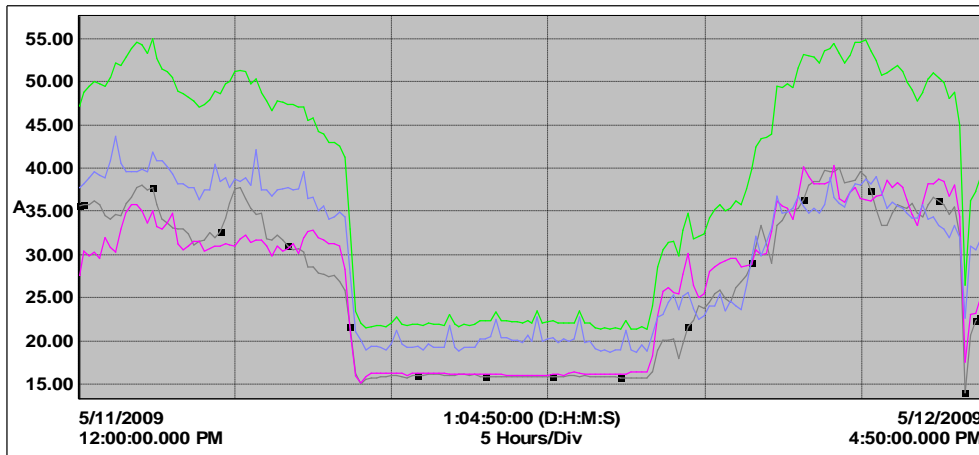


Figura A.6.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Line1	5/11/2009	12:00:00.000 PM	26.561	14.000	40.000	Å
Arms Line2	5/11/2009	12:00:00.000 PM	26.848	15.200	40.300	Å
Arms Line3	5/11/2009	12:00:00.000 PM	29.651	18.700	43.600	Å
Arms Neutral	5/11/2009	12:00:00.000 PM	38.235	21.300	54.900	Å

Tabla A.6.3

### A.6.4 FRECUENCIA

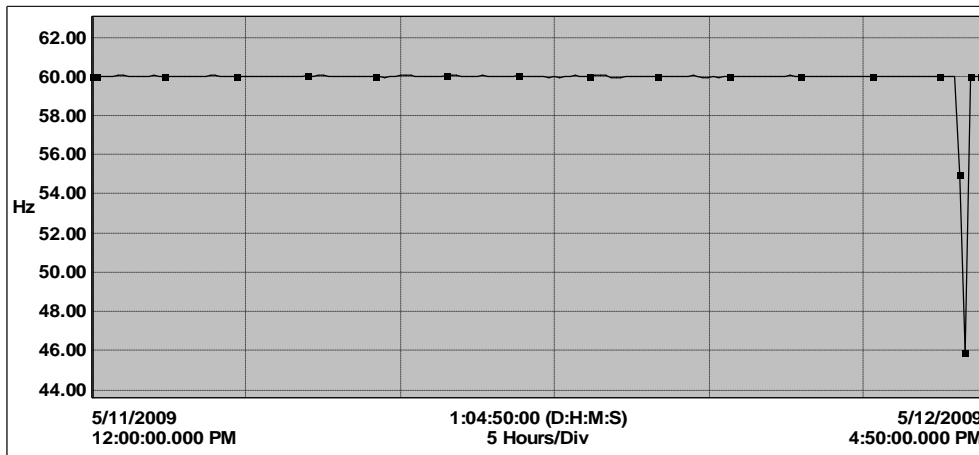


Figura A.6.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	5/11/2009	12:00:00.000 PM	1:05:00:00	(D:H:M:S)	59.882	45.880	60.060	174

Tabla A.6.4

### A.6.5 ARMÓNICOS

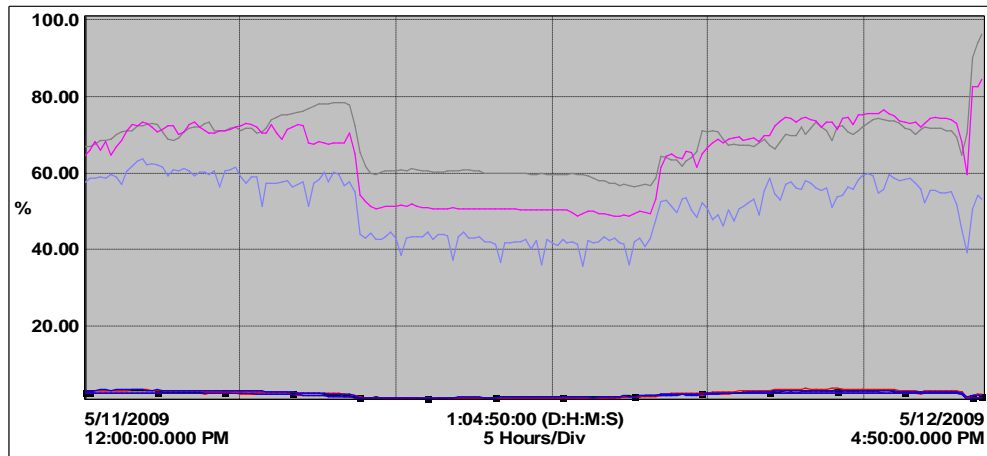
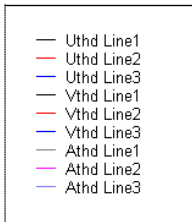


Figura A.6.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Line1	5/11/2009	12:00:00.000 PM	1.9661	0.900	2.7000	%
Uthd Line2	5/11/2009	12:00:00.000 PM	1.8569	0.900	2.6000	%
Uthd Line3	5/11/2009	12:00:00.000 PM	1.9397	0.900	2.6000	%
Vthd Line1	5/11/2009	12:00:00.000 PM	2.3011	1.2000	3.4000	%
Vthd Line2	5/11/2009	12:00:00.000 PM	2.3874	1.1000	3.6000	%
Vthd Line3	5/11/2009	12:00:00.000 PM	2.3293	1.1000	3.3000	%
Athd Line1	5/11/2009	12:00:00.000 PM	67.621	56.500	96.300	%
Athd Line2	5/11/2009	12:00:00.000 PM	64.164	48.800	84.500	%
Athd Line3	5/11/2009	12:00:00.000 PM	51.506	35.700	63.800	%

Tabla A.6.5.1

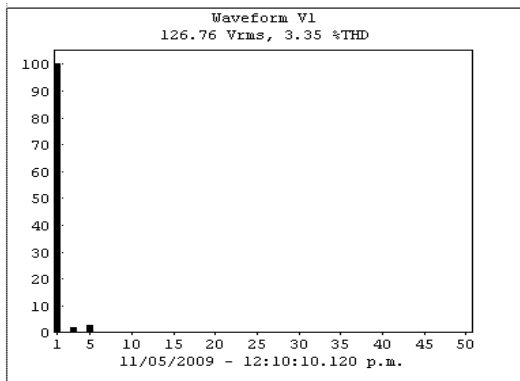


Figura A.6.5.2

Waveform VI					
(%)	(%)	(%)			
H01	100.0	H18	0.0	H35	0.0
H02	0.0	H19	0.0	H36	0.0
H03	1.8	H20	0.0	H37	0.1
H04	0.0	H21	0.0	H38	0.0
H05	2.7	H22	0.1	H39	0.1
H06	0.0	H23	0.1	H40	0.0
H07	0.2	H24	0.0	H41	0.1
H08	0.0	H25	0.1	H42	0.0
H09	0.3	H26	0.0	H43	0.1
H10	0.0	H27	0.1	H44	0.0
H11	0.4	H28	0.0	H45	0.0
H12	0.0	H29	0.1	H46	0.0
H13	0.2	H30	0.0	H47	0.0
H14	0.0	H31	0.1	H48	0.0
H15	0.2	H32	0.0	H49	0.0
H16	0.0	H33	0.2	H50	0.0
H17	0.1	H34	0.0		

Tabla A.6.5.2

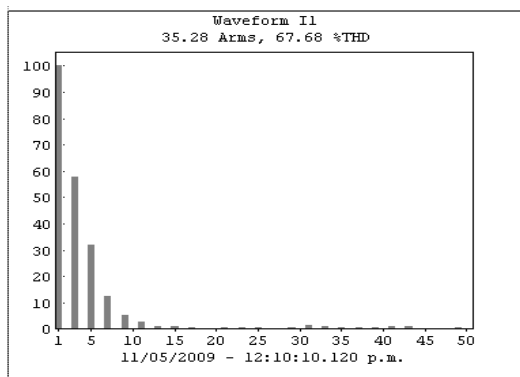


Figura A.6.5.3

Waveform I1					
(%)	(%)	(%)			
H01	100.0	H18	0.2	H35	0.7
H02	0.3	H19	0.3	H36	0.1
H03	57.8	H20	0.2	H37	0.6
H04	0.4	H21	0.5	H38	0.1
H05	32.2	H22	0.2	H39	0.4
H06	0.3	H23	0.7	H40	0.2
H07	12.6	H24	0.1	H41	0.9
H08	0.1	H25	0.4	H42	0.1
H09	5.4	H26	0.3	H43	1.0
H10	0.3	H27	0.2	H44	0.0
H11	2.9	H28	0.2	H45	0.3
H12	0.3	H29	0.8	H46	0.1
H13	1.2	H30	0.1	H47	0.4
H14	0.2	H31	1.3	H48	0.3
H15	1.1	H32	0.1	H49	0.5
H16	0.1	H33	1.0	H50	0.2
H17	0.6	H34	0.2		

Tabla A.6.5.3

## A.6.6 POTENCIA

-	W Linea1
-	W Linea2
-	W Linea3
-	W Suma
-	VAR Linea
-	VAR Linea
-	VAR Linea
-	VAR Suma
-	VA Linea1
-	VA Linea2
-	VA Linea3
-	VA Suma

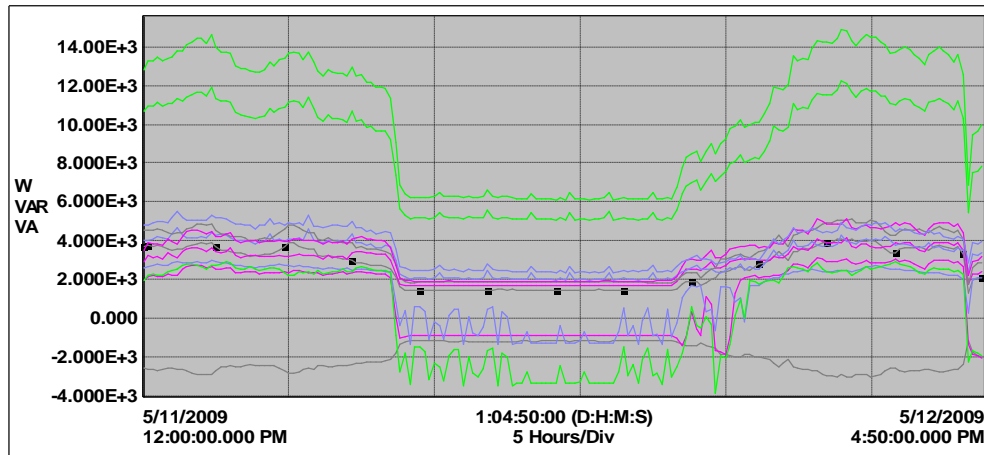


Figura A.6.6

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Line1	5/11/2009	12:00:00.000 PM	2.6375E+3	1.2748E+3	4.0962E+3	W
W Line2	5/11/2009	12:00:00.000 PM	2.7568E+3	1.6682E+3	4.1364E+3	W
W Line3	5/11/2009	12:00:00.000 PM	3.1369E+3	1.9455E+3	4.6748E+3	W
W Neutral	5/11/2009	12:00:00.000 PM	8.5312E+3	5.0592E+3	12.253E+3	W
VAR Line1	5/11/2009	12:00:00.000 PM	-2.0275E+3	-3.0646E+3	-1.1490E+3	VAR
VAR Line2	5/11/2009	12:00:00.000 PM	1.0538E+3	-2.0623E+3	3.1237E+3	VAR
VAR Line3	5/11/2009	12:00:00.000 PM	1.3114E+3	-1.3883E+3	3.0107E+3	VAR
VAR Neutral	5/11/2009	12:00:00.000 PM	337.65	-3.8815E+3	2.9216E+3	VAR
VA Line1	5/11/2009	12:00:00.000 PM	3.3282E+3	1.7654E+3	5.1007E+3	VA
VA Line2	5/11/2009	12:00:00.000 PM	3.3614E+3	1.8853E+3	5.1355E+3	VA
VA Line3	5/11/2009	12:00:00.000 PM	3.7440E+3	2.3262E+3	5.5244E+3	VA
VA Neutral	5/11/2009	12:00:00.000 PM	10.434E+3	6.0983E+3	14.855E+3	VA

Tabla A.6.6

### A.6.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

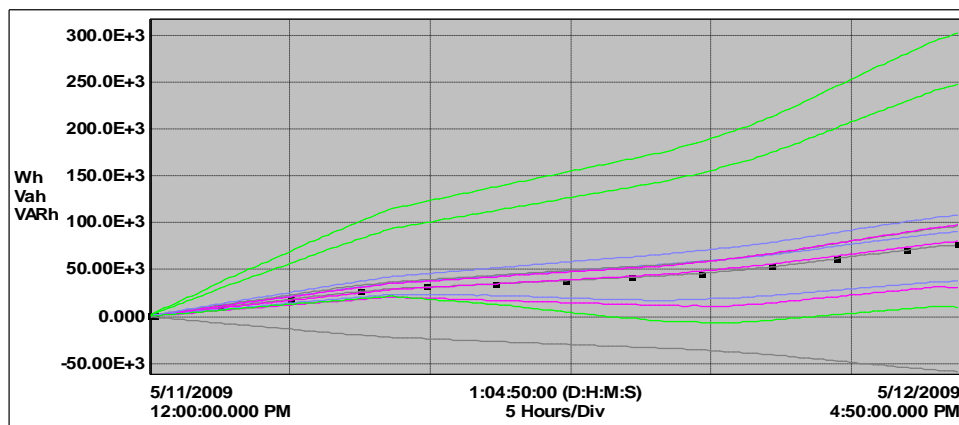
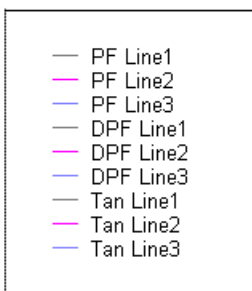


Figura A.6.7

Nombre	Fecha	Hora	Max	Unidades
W-hours Line1	5/11/2009	12:00:00.000 PM	76.488E+3	Wh
W-hours Line2	5/11/2009	12:00:00.000 PM	79.946E+3	Wh
W-hours Line3	5/11/2009	12:00:00.000 PM	90.970E+3	Wh
W-hours Neutral	5/11/2009	12:00:00.000 PM	247.40E+3	Wh
VÀ-hours Line1	5/11/2009	12:00:00.000 PM	96.517E+3	Vah
VÀ-hours Line2	5/11/2009	12:00:00.000 PM	97.480E+3	Vah
VÀ-hours Line3	5/11/2009	12:00:00.000 PM	108.58E+3	Vah
VÀ-hours Neutral	5/11/2009	12:00:00.000 PM	302.57E+3	Vah
VÀR-hours Line1	5/11/2009	12:00:00.000 PM	-436.35	VARh
VÀR-hours Line2	5/11/2009	12:00:00.000 PM	31.763E+3	VARh
VÀR-hours Line3	5/11/2009	12:00:00.000 PM	38.030E+3	VARh
VÀR-hours Neutral	5/11/2009	12:00:00.000 PM	21.542E+3	VARh

Tabla A.6.7

### A.6.8 FACTOR DE POTENCIA





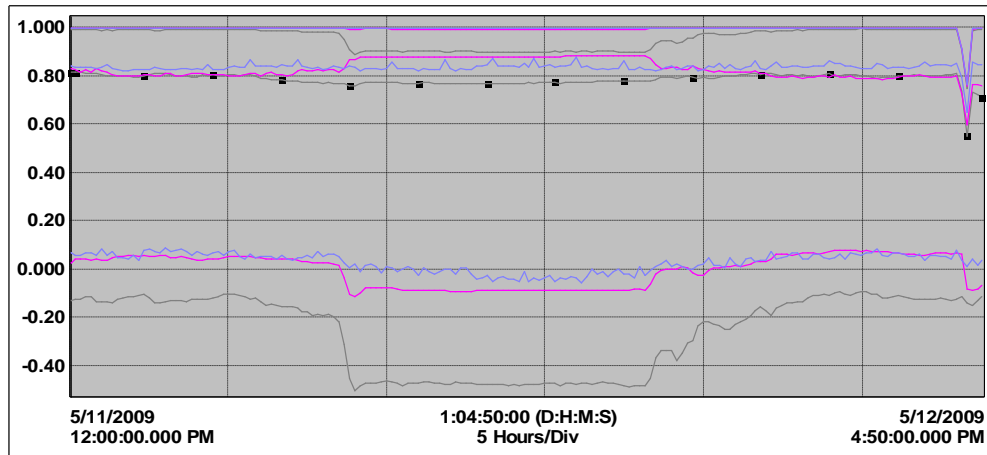
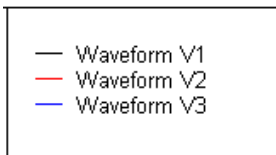


Figura A.6.8

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
PF Line1	5/11/2009	12:00:00.000 PM	0.786	0.550	0.817	
PF Line2	5/11/2009	12:00:00.000 PM	0.829	0.596	0.885	
PF Line3	5/11/2009	12:00:00.000 PM	0.835	0.651	0.876	
DPF Line1	5/11/2009	12:00:00.000 PM	0.955	0.747	0.995	
DPF Line2	5/11/2009	12:00:00.000 PM	0.995	0.758	0.999	
DPF Line3	5/11/2009	12:00:00.000 PM	0.996	0.763	0.999	
Tan Line1	5/11/2009	12:00:00.000 PM	-0.264	-0.506	-93.000E-3	
Tan Line2	5/11/2009	12:00:00.000 PM	-5.0172E-3	-0.117	79.000E-3	
Tan Line3	5/11/2009	12:00:00.000 PM	26.379E-3	-57.000E-3	85.000E-3	

Tabla A.6.8

### A.6.9 TRANSITORIOS DE VOLTAJE



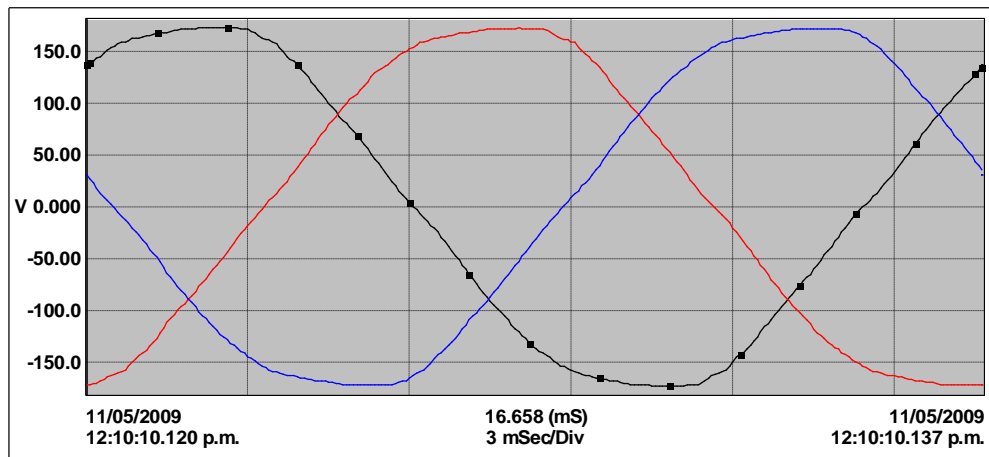


Figura A.6.9

### A.6.10 TRANSITORIOS DE CORRIENTE

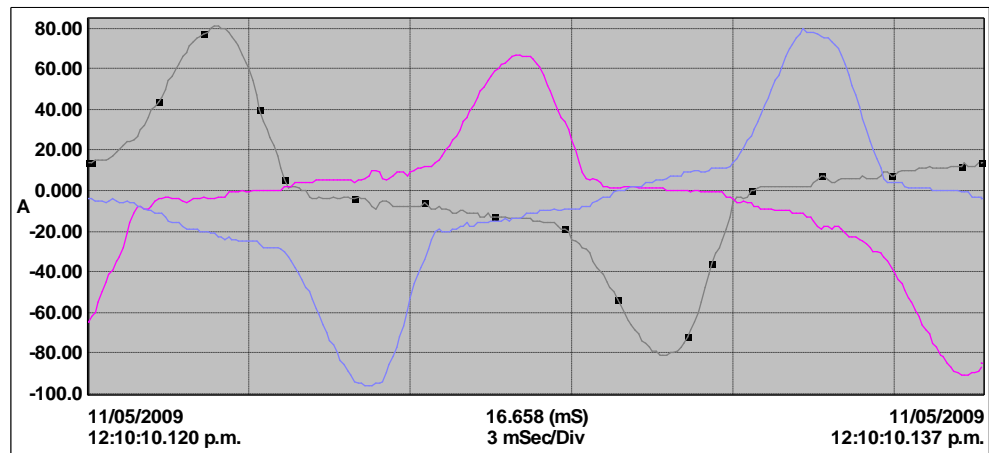
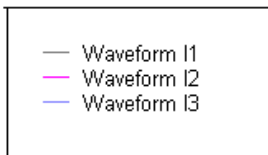


Figura A.6.10

## A.7 SECCIÓN, TERCER PISO, LADO DERECHO

### A.7.1 TENSIÓN DE FASE A NEUTRO

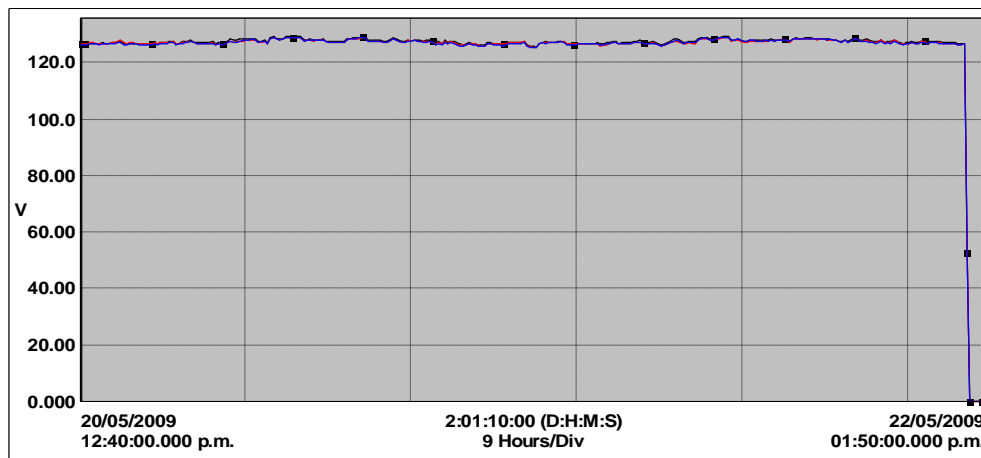
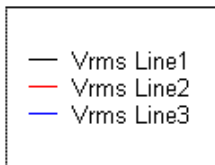


Figura A.7.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Vrms Linea1	20/05/2009	12:40:00.000 p.m.	125.16	0.0000	129.30	V
Vrms Linea2	20/05/2009	12:40:00.000 p.m.	124.90	0.0000	129.00	V
Vrms Linea3	20/05/2009	12:40:00.000 p.m.	124.80	0.0000	129.00	V

Tabla A.7.1

### A.7.2 TENSIÓN DE FASE A FASE.

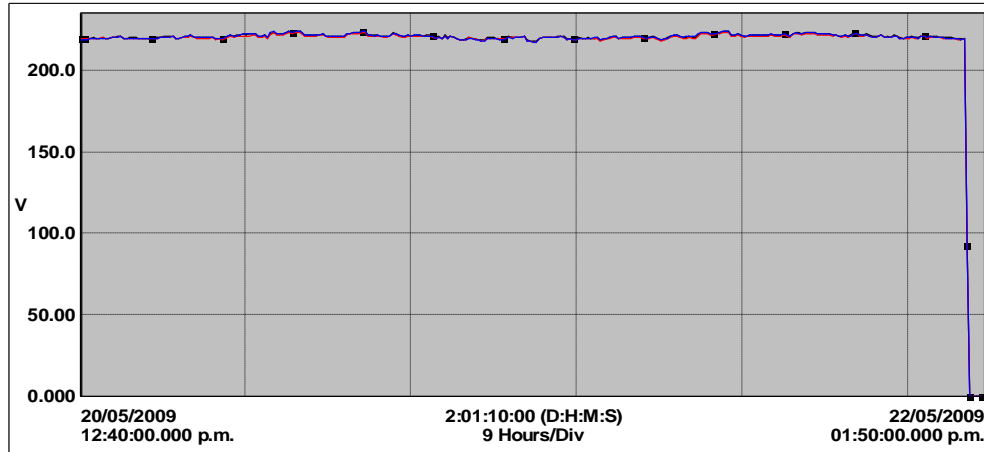
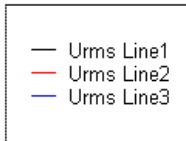
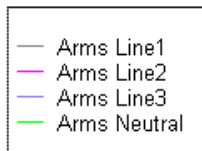


Figura A.7.2

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Urms Linea1	20/05/2009	12:40:00.000 p.m.	216.66	0.0000	223.90	V
Urms Linea2	20/05/2009	12:40:00.000 p.m.	216.18	0.0000	223.30	V
Urms Linea3	20/05/2009	12:40:00.000 p.m.	216.52	0.0000	223.90	V

Tabla A.7.2

### A.7.3 CORRIENTE



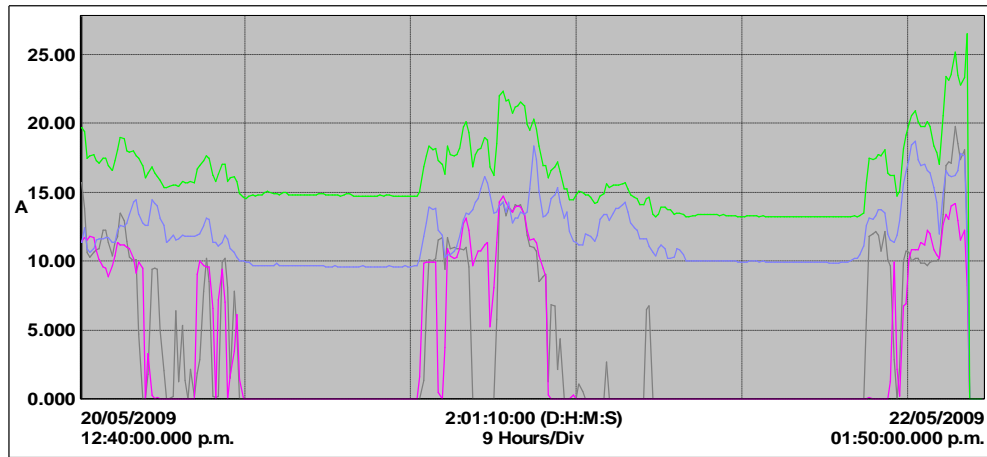


Figura A.7.3

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Arms Linea1	20/05/2009	12:40:00.000 p.m.	3.8280	0.0000	19.800	A
Arms Linea2	20/05/2009	12:40:00.000 p.m.	3.4189	0.0000	14.700	A
Arms Linea3	20/05/2009	12:40:00.000 p.m.	11.527	0.0000	18.700	A
Arms Neutral	20/05/2009	12:40:00.000 p.m.	15.692	0.0000	26.500	A

Tabla A.7.3

### A.7.4 FRECUENCIA

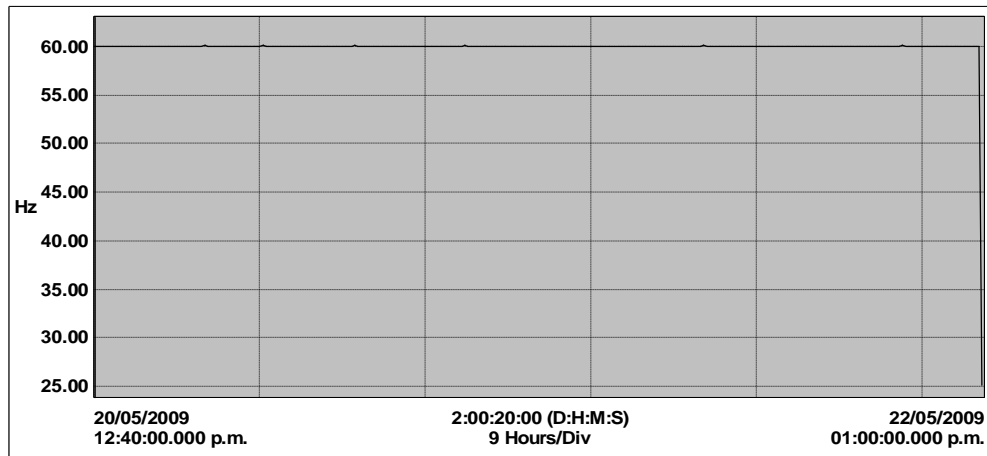


Figura A.7.4

Nombre	Fecha	Hora	Duración	Units	Prom	Min	Max	Muestras
Hz	20/05/2009	12:40:00.000 p.m.	2:00:30:00	(D:H:M:S)	59.870	25.090	60.080	291

Tabla A.7.4

### 9.7.5 ARMÓNICOS

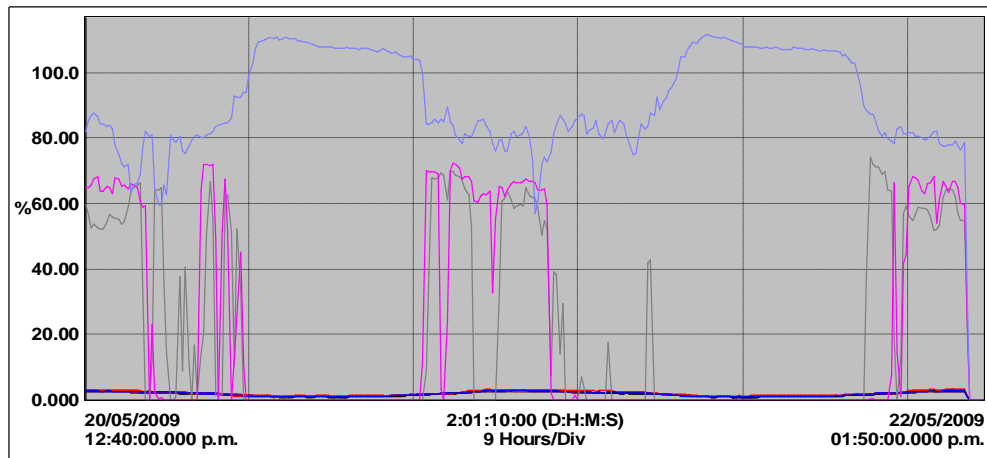
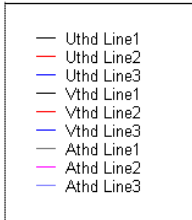


Figura A.7.5.1

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
Uthd Linea1	20/05/2009	12:40:00.000 p.m.	1.7078	0.0000	2.7000	%
Uthd Linea2	20/05/2009	12:40:00.000 p.m.	1.7568	0.0000	2.8000	%
Uthd Linea3	20/05/2009	12:40:00.000 p.m.	1.7936	0.0000	2.8000	%
Vthd Linea1	20/05/2009	12:40:00.000 p.m.	1.8872	0.0000	3.2000	%
Vthd Linea2	20/05/2009	12:40:00.000 p.m.	2.1027	0.0000	3.4000	%
Vthd Linea3	20/05/2009	12:40:00.000 p.m.	1.9057	0.0000	3.1000	%
Athd Linea1	20/05/2009	12:40:00.000 p.m.	20.402	0.0000	74.100	%
Athd Linea2	20/05/2009	12:40:00.000 p.m.	20.249	0.0000	72.400	%
Athd Linea3	20/05/2009	12:40:00.000 p.m.	90.129	0.0000	111.50	%

Tabla A.7.5.1

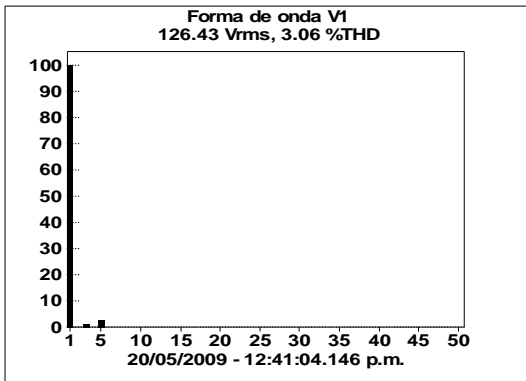


Figura A.7.5.2

Harmónicos (%)		
H01	100.0	
H02	0.0	
H03	1.5	
H04	0.0	
H05	2.6	
H06	0.0	
H07	0.2	
H08	0.0	
H09	0.2	
H10	0.0	
H11	0.2	
H12	0.0	
H13	0.2	
H14	0.0	
H15	0.2	
H16	0.0	
H17	0.1	
H18	0.0	
H19	0.0	
H20	0.0	
H21	0.1	
H22	0.0	
H23	0.1	
H24	0.0	
H25	0.1	
H26	0.0	
H27	0.1	
H28	0.0	
H29	0.1	
H30	0.0	
H31	0.1	
H32	0.0	
H33	0.1	
H34	0.0	
H35	0.0	
H36	0.0	
H37	0.1	
H38	0.0	
H39	0.1	
H40	0.0	
H41	0.1	
H42	0.0	
H43	0.1	
H44	0.0	
H45	0.1	
H46	0.0	
H47	0.1	
H48	0.0	
H49	0.0	
H50	0.0	

Tabla A.7.5.2

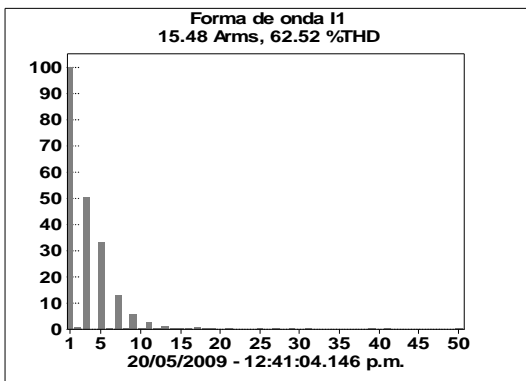


Figura A.7.5.3

Harmónicos (%)		
H01	100.0	
H02	1.2	
H03	50.6	
H04	0.2	
H05	33.5	
H06	0.5	
H07	13.2	
H08	0.8	
H09	5.7	
H10	0.7	
H11	2.8	
H12	0.9	
H13	1.7	
H14	0.5	
H15	0.8	
H16	0.5	
H17	1.0	
H18	0.5	
H19	0.8	
H20	0.4	
H21	0.6	
H22	0.2	
H23	0.4	
H24	0.3	
H25	0.7	
H26	0.2	
H27	0.6	
H28	0.3	
H29	0.6	
H30	0.2	
H31	0.7	
H32	0.3	
H33	0.2	
H34	0.3	
H35	0.2	
H36	0.3	
H37	0.3	
H38	0.3	
H39	0.6	
H40	0.3	
H41	0.7	
H42	0.4	
H43	0.2	
H44	0.2	
H45	0.4	
H46	0.3	
H47	0.0	
H48	0.1	
H49	0.1	
H50	0.6	

Tabla A.7.5.3

## A.7.6 POTENCIA

—	W Linea1
—	W Linea2
—	W Linea3
—	W Suma
—	VAR Linea
—	VAR Linea
—	VAR Linea
—	VAR Suma
—	VA Linea1
—	VA Linea2
—	VA Linea3
—	VA Suma

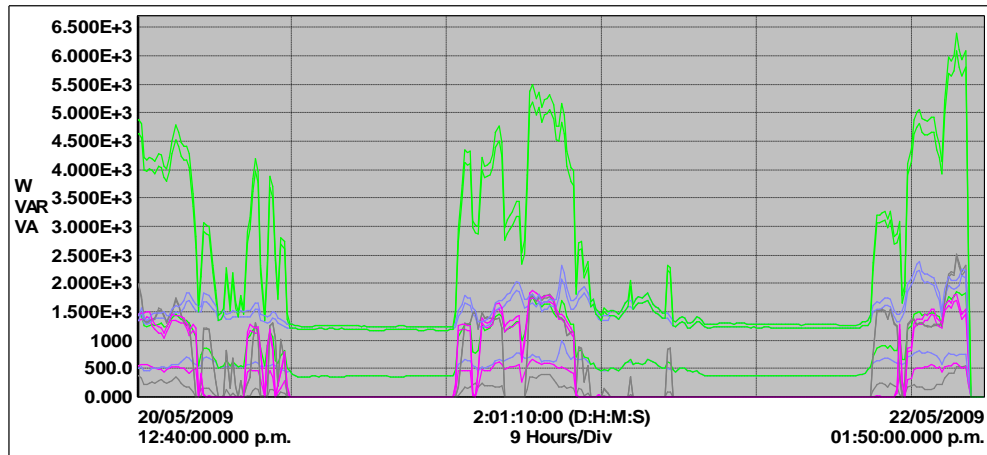


Figura A.7.6

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
W Linea1	20/05/2009	12:40:00.000 p.m.	78.857	0.0000	559.97	W
W Linea2	20/05/2009	12:40:00.000 p.m.	158.40	0.0000	657.09	W
W Linea3	20/05/2009	12:40:00.000 p.m.	502.17	0.0000	1.0032E+3	W
W Neutral	20/05/2009	12:40:00.000 p.m.	739.43	0.0000	1.8477E+3	W
VAR Linea1	20/05/2009	12:40:00.000 p.m.	480.84	0.0000	2.4664E+3	VAR
VAR Linea2	20/05/2009	12:40:00.000 p.m.	404.92	0.0000	1.7488E+3	VAR
VAR Linea3	20/05/2009	12:40:00.000 p.m.	1.3807E+3	0.0000	2.2261E+3	VAR
VAR Neutral	20/05/2009	12:40:00.000 p.m.	2.2664E+3	0.0000	6.0939E+3	VAR
VA Linea1	20/05/2009	12:40:00.000 p.m.	487.65	0.0000	2.5205E+3	VA
VA Linea2	20/05/2009	12:40:00.000 p.m.	434.92	0.0000	1.8683E+3	VA
VA Linea3	20/05/2009	12:40:00.000 p.m.	1.4705E+3	0.0000	2.3711E+3	VA
VA Neutral	20/05/2009	12:40:00.000 p.m.	2.3930E+3	0.0000	6.3844E+3	VA

Tabla A.7.6



### A.7.7 ENERGÍA

- W-hora Linea1
- W-hora Linea2
- W-hora Linea3
- W-hora Suma
- VA-hora Linea1
- VA-hora Linea2
- VA-hora Linea3
- VA-hora Suma
- VAR-hora Linea1
- VAR-hora Linea2
- VAR-hora Linea3
- VAR-hora Suma

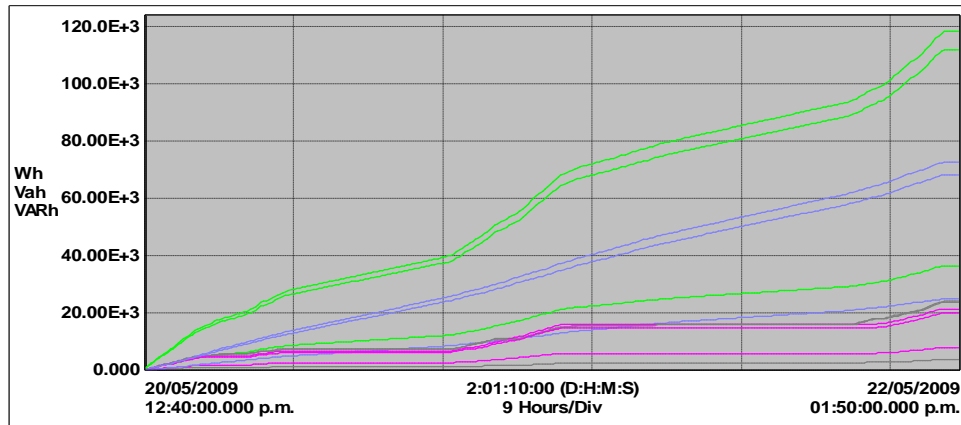


Figura A.7.7

Nombre	Fecha	Hora	Max	Unidades
W-hora Linea1	20/05/2009	12:40:00.000 p.m.	3.8903E+3	Wh
W-hora Linea2	20/05/2009	12:40:00.000 p.m.	7.8146E+3	Wh
W-hora Linea3	20/05/2009	12:40:00.000 p.m.	24.774E+3	Wh
W-hora Neutral	20/05/2009	12:40:00.000 p.m.	36.479E+3	Wh
VA-hora Linea1	20/05/2009	12:40:00.000 p.m.	24.057E+3	Vah
VA-hora Linea2	20/05/2009	12:40:00.000 p.m.	21.456E+3	Vah
VA-hora Linea3	20/05/2009	12:40:00.000 p.m.	72.544E+3	Vah
VA-hora Neutral	20/05/2009	12:40:00.000 p.m.	118.06E+3	Vah
VAR-hora Linea1	20/05/2009	12:40:00.000 p.m.	23.721E+3	VARh
VAR-hora Linea2	20/05/2009	12:40:00.000 p.m.	19.976E+3	VARh
VAR-hora Linea3	20/05/2009	12:40:00.000 p.m.	68.114E+3	VARh
VAR-hora Neutral	20/05/2009	12:40:00.000 p.m.	111.81E+3	VARh

Tabla A.7.7

### A.7.8 FACTOR DE POTENCIA

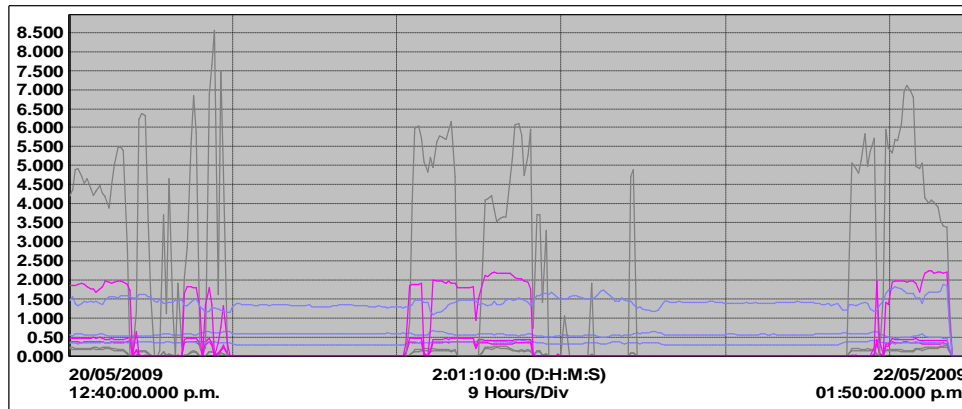
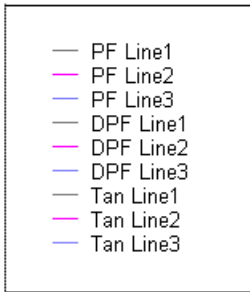
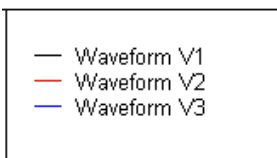


Figura A.7.8

Nombre	Fecha	Hora	Prom	Min	Max	Unidades
PF Linea1	20/05/2009	12:40:00.000 p.m.	51.537E-3	0.0000	0.242	
PF Linea2	20/05/2009	12:40:00.000 p.m.	0.112	0.0000	0.403	
PF Linea3	20/05/2009	12:40:00.000 p.m.	0.330	0.0000	0.429	
DPF Linea1	20/05/2009	12:40:00.000 p.m.	63.209E-3	0.0000	0.282	
DPF Linea2	20/05/2009	12:40:00.000 p.m.	0.139	0.0000	0.492	
DPF Linea3	20/05/2009	12:40:00.000 p.m.	0.561	0.0000	0.673	
Tan Linea1	20/05/2009	12:40:00.000 p.m.	1.7981	0.0000	8.5350	
Tan Linea2	20/05/2009	12:40:00.000 p.m.	0.600	0.0000	2.2550	
Tan Linea3	20/05/2009	12:40:00.000 p.m.	1.3921	0.0000	1.8970	

Tabla A.7.8

### A.7.9 TRANSITORIOS DE VOLTAJE



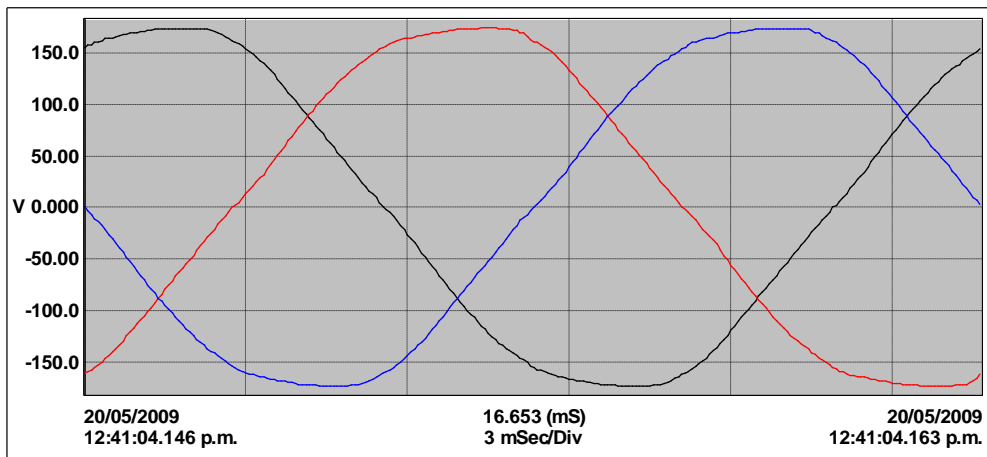


Figura A.7.9

### A.7.10 TRANSITORIOS DE CORRIENTE

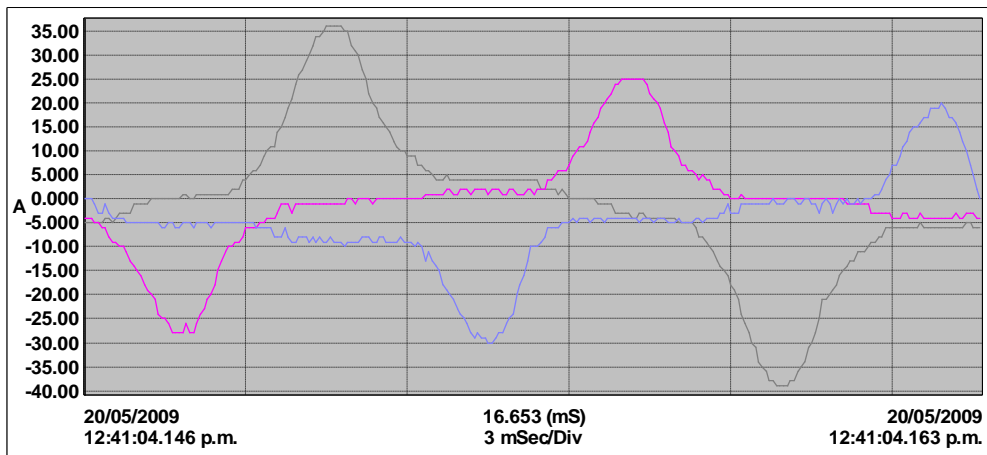
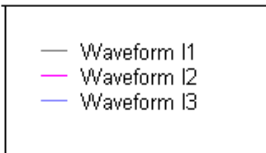
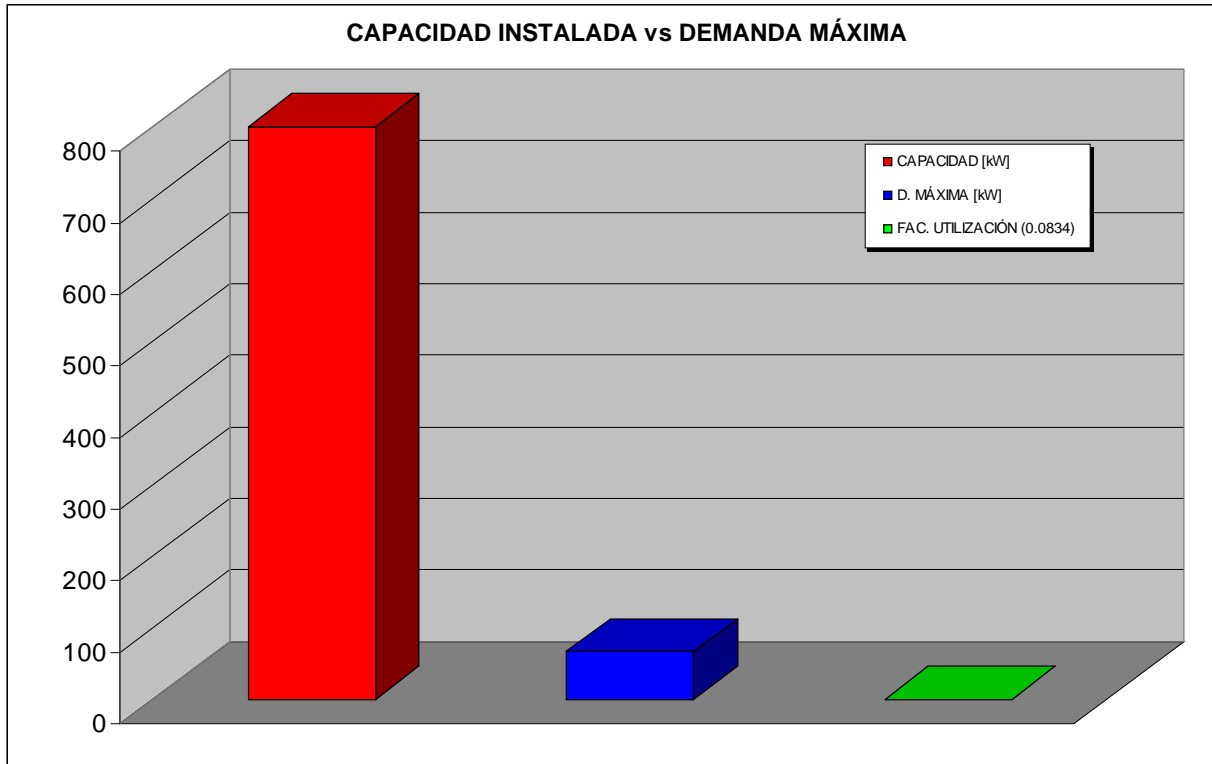





Figura A.7.10

## A.8 CAPACIDAD INSTALADA



 D. MÁXIMA [kW]	66.712
 CAPACIDAD [kW]	800
 FAC. UTILIZACIÓN (0.0834)	0.0834