

Conducted noise according to:

EN 55022 class B

EUT: Scenic Mobile 800 AGP, PII 400 MHz, 15" Samsung
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024 x 768/60Hz HD+CD-test
Test Site: Siemens AG Augsburg SK1
Operator: H. Zenkner
Comment: full configuration, Monitor MCM1707
Comment: 512 MB RAM
Start of Test: 08.07.99 / 14:38:02

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

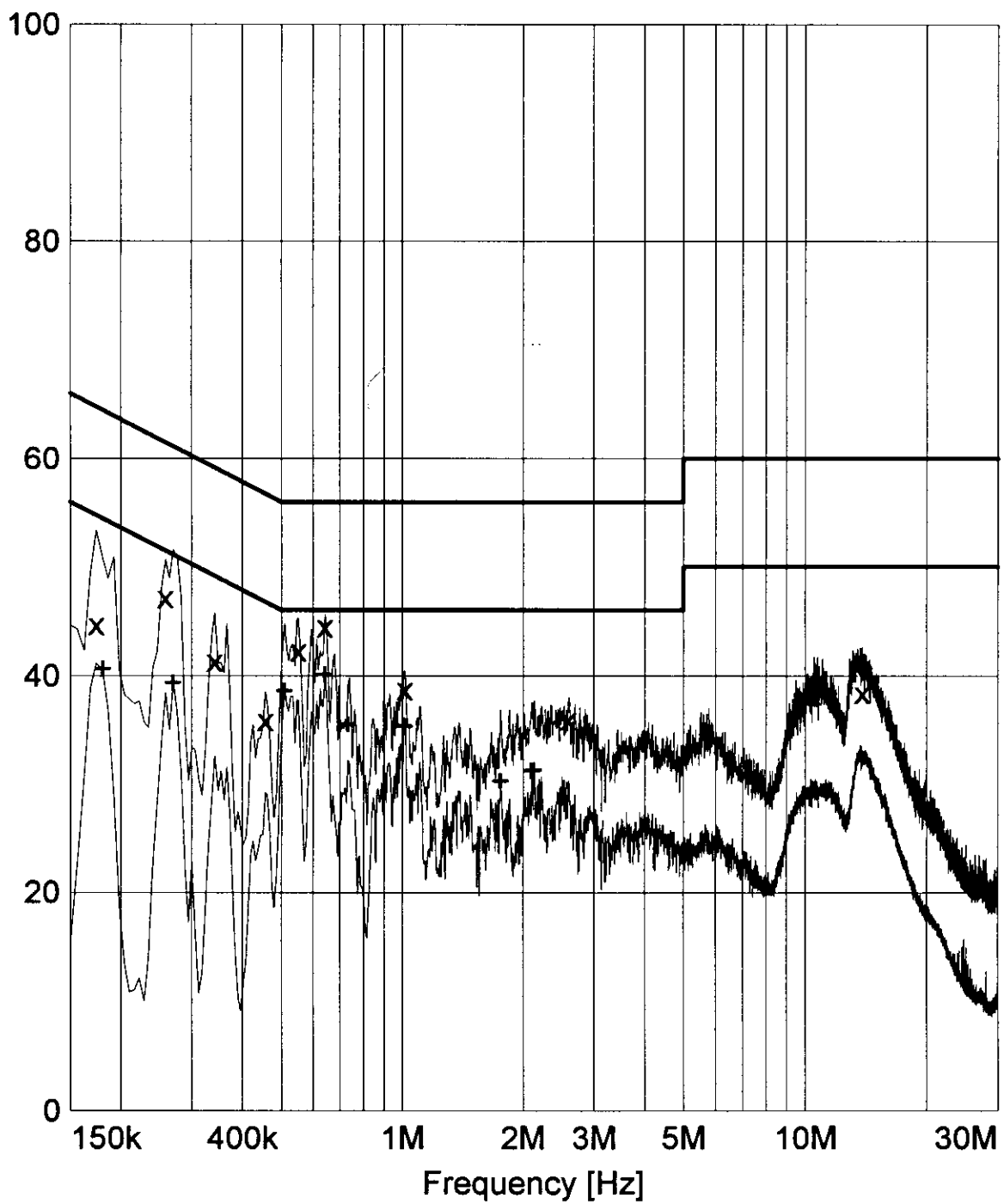
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

Receiver: ESHS Transducer: ESH2-Z5
Signal Path: None System Transducer: None
Meas. Mode: Lin Add. Transd. 1: ESH3-Z2
Tracking Gen.: -- Add. Transd. 2: None
Input: -- Add. Transd. 3: None

Preamplifier: Off Demodulation: A3
RF Att.: 0 dB Volume: --
Ref. Level: -- Squelch: --
Min. RF Att.: 10 dB Option: None
IF Att.: LowNoise
Autorange: On

Curve 1: On Repetition: 0
Curve 2: On Stop Mark: Off

Level [dB μ V]



x x MES Quasi Peak
 + + MES Average
 — MES Preview Peak
 — MES Preview AV
 — LIM EN 55022/B V QP
 — LIM EN 55022/B V AV

MEASUREMENT RESULT: "Quasi Peak"

08.07.99 14:48

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.174000	44.70	10.0	64.7	19.9	N	GND
0.258000	47.20	10.0	61.4	14.2	N	GND
0.342000	41.40	10.0	59.1	17.7	L1	GND
0.456000	35.90	10.0	56.7	20.7	L1	GND
0.552000	42.30	10.0	56.0	13.6	L1	GND
0.642000	44.50	10.0	56.0	11.4	N	GND
1.014000	38.80	10.0	56.0	17.1	L1	GND
2.586000	36.00	10.0	56.0	19.9	N	GND
10.494000	38.30	10.0	60.0	21.7	N	GND
13.830000	38.40	10.0	60.0	21.5	N	GND

MEASUREMENT RESULT: "Average"

08.07.99 14:48

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.180000	40.60	10.0	54.4	13.8	L1	GND
0.270000	39.40	10.0	51.1	11.7	N	GND
0.510000	38.60	10.0	46.0	7.3	L1	GND
0.642000	40.10	10.0	46.0	5.8	N	GND
0.732000	35.50	10.0	46.0	10.4	N	GND
1.008000	35.40	10.0	46.0	10.5	L1	GND
1.014000	35.30	10.0	46.0	10.7	L1	GND
1.758000	30.30	10.0	46.0	15.6	N	GND
2.094000	31.20	10.0	46.0	14.7	N	GND
2.130000	31.30	10.0	46.0	14.6	N	GND

Radiated emission according to:

to EN55022 class B

EUT: Scenic Mobile 800 AGP PII 400MHz with 15" SAMSUNG
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768, /HD/CD-Test
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: H. Zenkner
Configuration: fully conf.; 512 MB RAM
Comment:
Start of Test: 06.07.99 / 15:10:59

SCAN TABLE: "10m/30-1000"

Short Description: 10m Field Strength
Unit: dBuV/m

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

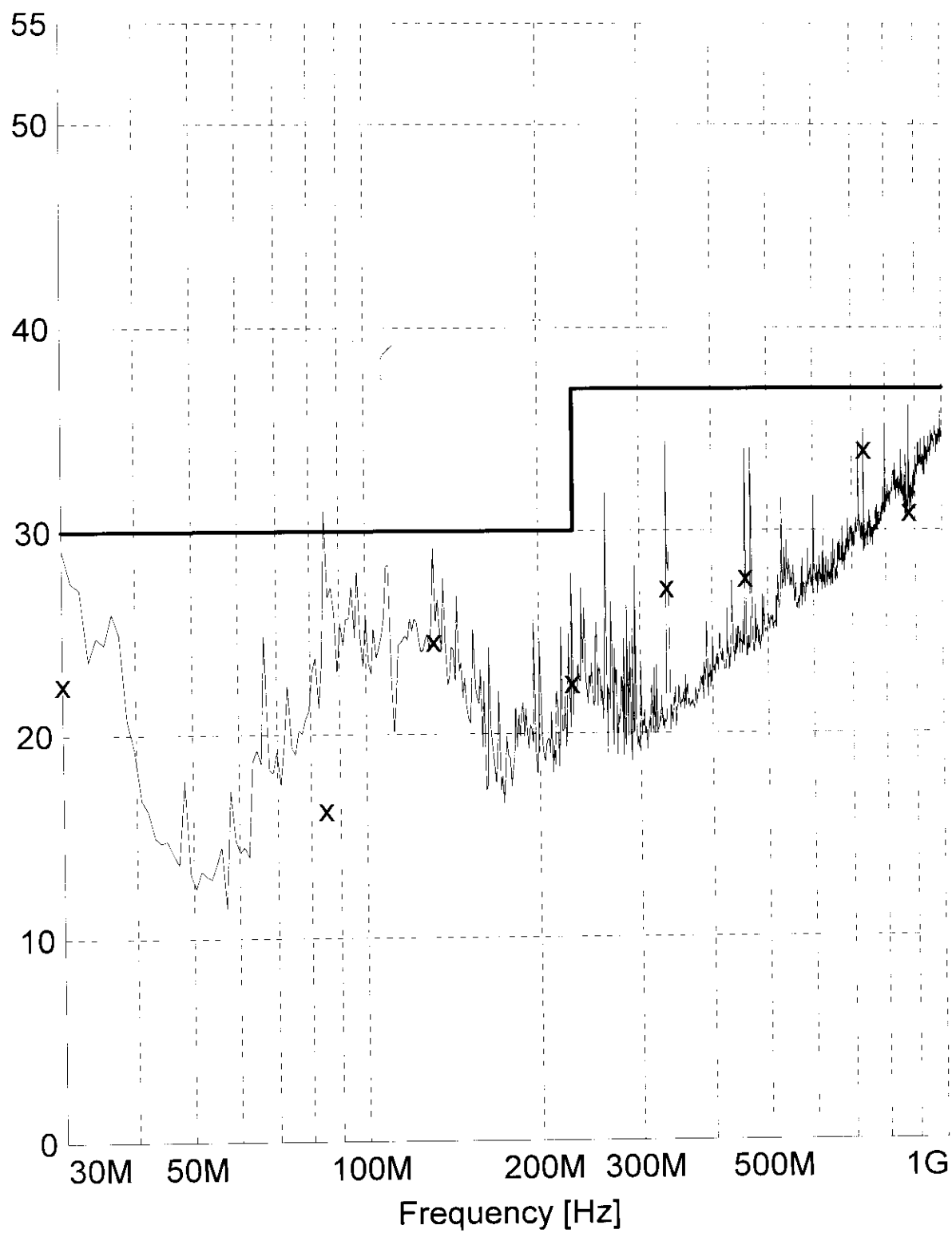
Start Frequency:	30.0 MHz	Step Size:	30.0 kHz
Stop Frequency:	1.0 GHz		
Measure Time:	10.0 ms		
IF Bandwidth:	120 kHz		

Receiver:	ESXI	Transducer:	CBL6111 cal. 5/99
Signal Path:	2DC-CP1X1	System Transducer:	RFin2-CP1/X1
Meas. Mode:	Lin	Add. Transd. 1:	cable30-1000
Tracking Gen.:	Off	Add. Transd. 2:	None
Input:	2DC	Add. Transd. 3:	None

Preamplifier:	10 dB	Demodulation:	AM
RF Att.:	Coupled	Volume:	70 %
Ref. Level:	-60.0 dBm	Squelch:	--
Min. RF Att.:	0 dB	Option:	None
IF Att.:	--		
Autorange:	On		

Curve 1:	On	Repetition:	Single
		Stop Mark:	Off
		Stop Message:	Off
		Stop Message:	Off

Level [dB μ V/m]



x x MES Quasi Peak
- - - MES Preview Peak
— LIM EN55022/B

MEASUREMENT RESULT: "Quasi Peak"

06.07.99 15:57

Frequency MHz	Level dBµV/m	Height cm	Azimuth deg	Polarisation	Transd dB	Limit dBµV/m	Margin dB
30.000000	22.50	400.0	29.00	VERTICAL	18.7	30.0	7.5
84.966667	16.30	340.0	59.00	VERTICAL	8.7	30.0	13.7
131.311111	24.60	100.0	180.00	VERTICAL	12.7	30.0	5.4
228.311111	22.50	100.0	239.00	VERTICAL	10.9	30.0	7.5
333.933333	27.20	280.0	0.00	HORIZONTAL	15.8	37.0	9.8
456.800000	27.70	400.0	0.00	VERTICAL	19.2	37.0	9.6
733.788889	34.00	220.0	330.00	VERTICAL	24.6	37.0	3.0
878.211111	30.90	340.0	0.00	VERTICAL	25.8	37.0	6.1

Radiated emission according to:

to FCC class B

EUT: Scenic Mobile 800 AGP PII 400MHz with 15" SAMSUNG
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768, /HD/CD-Test
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: M. Heuser
Configuration: fully conf.; 512 MB RAM
Comment:
Start of Test: 08.07.99 / 09:07:34

SCAN TABLE: "FCC1-5GHz"

Short Description: 3m Messung FCC 1 bis 3 GHz
Unit: dBuV/m

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

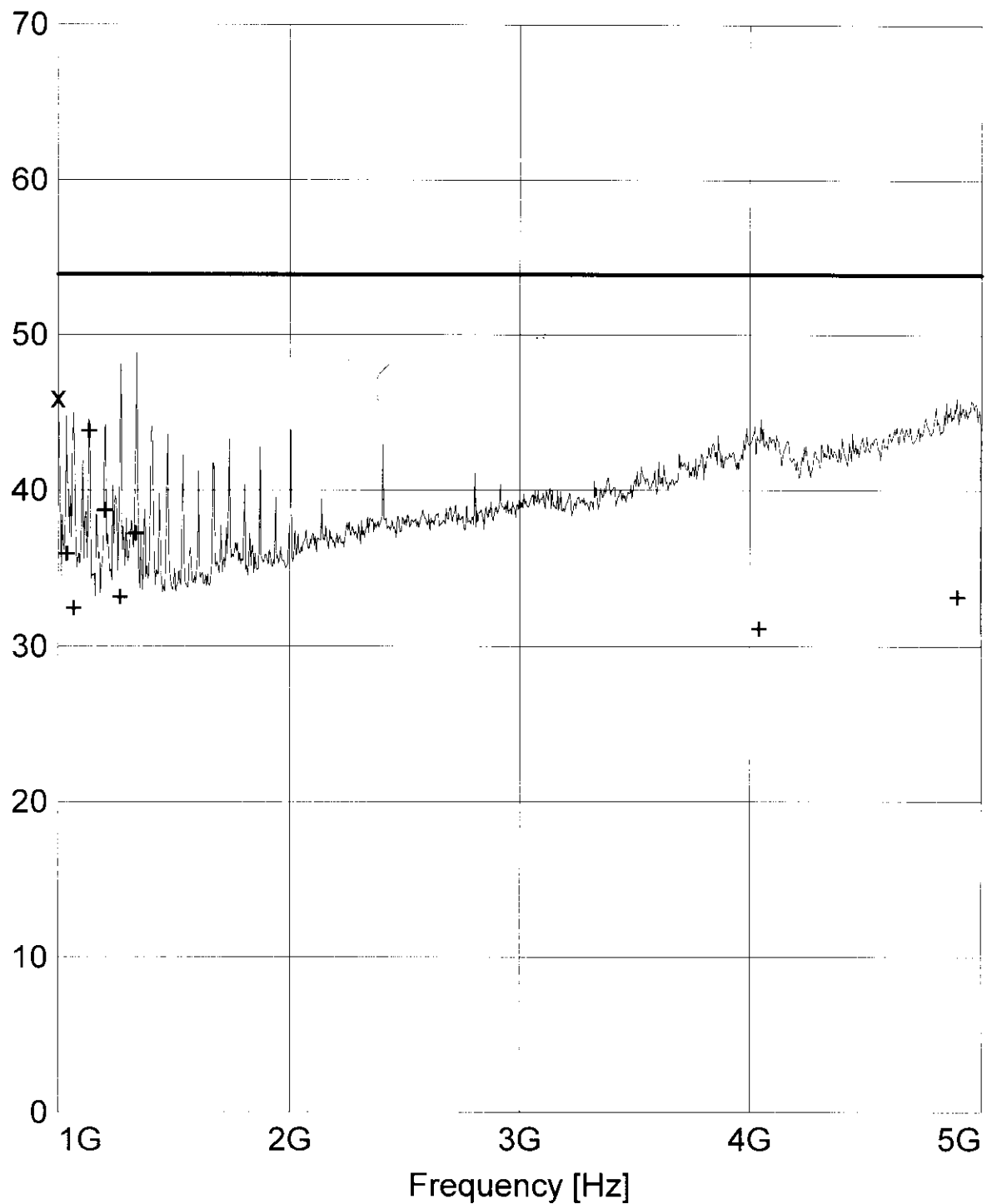
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
Stop Frequency: 5.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 1 MHz

Receiver: ESXI Transducer: Tensor4105v
Signal Path: 2DC-CP7X1 System Transducer: RFin2-CP7/X1
Meas. Mode: Lin Add. Transd. 1: Rosenberger 8m
Tracking Gen.: Off Add. Transd. 2: None
Input: 2DC Add. Transd. 3: None

Preamplifier: 10 dB Demodulation: AM
RF Att.: Coupled Volume: 70 %
Ref. Level: -30.0 dBm Squelch: --
Min. RF Att.: 0 dB Option: None
IF Att.: --
Autorange: On

Curve 1: On Repetition: Single
Curve 2: On Stop Mark: Off
Stop Message: Off
Stop Message:

Level [dB μ V/m]



x x MES PDM9E022_fin QP

+ + MES Average

— MES Preview FCC

— LIM FCC ClassB F QP/AV FCC ClassB, field strength 3m

— LIM FCC ClassB F QP/AV FCC ClassB, field strength 3m

MEASUREMENT RESULT: "PDM9E022_fin QP"

08.07.99 09:57

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1000.000000	46.00	7.9	53.9	7.9	140.0	180.00	HORIZONTAL

MEASUREMENT RESULT: "Average"

08.07.99 09:57

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1036.600000	35.90	8.9	53.9	18.0	260.0	0.00	HORIZONTAL
1066.600000	32.40	9.2	53.9	21.5	140.0	180.00	HORIZONTAL
1133.200000	43.80	8.5	53.9	10.1	100.0	0.00	HORIZONTAL
1199.800000	38.70	8.3	53.9	15.2	140.0	59.00	VERTICAL
1266.700000	33.10	8.9	53.9	20.8	100.0	150.00	HORIZONTAL
1333.300000	37.20	9.1	53.9	16.7	100.0	180.00	HORIZONTAL
4040.200000	31.10	18.5	53.9	22.8	300.0	150.00	VERTICAL
4898.200000	33.10	19.6	53.9	20.8	180.0	29.00	HORIZONTAL