

Conducted noise according to:

EN 55022 class B

EUT: Scenic Mobile 750 AGP / PII 400MHz / 14.1" TFT-NEC
Manufacturer: Siemens AG
Operating Condition: Scr-"H" 1024x768x60Hz HD-CD-LAN-Test
Test Site: Siemens AG Augsburg SK1
Operator: M. Heuser
Comment: MCM1705 / Power from NET
Comment: AC-Adapter extern / Accu intern
Start of Test: 04.05.99 / 13:50:22

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

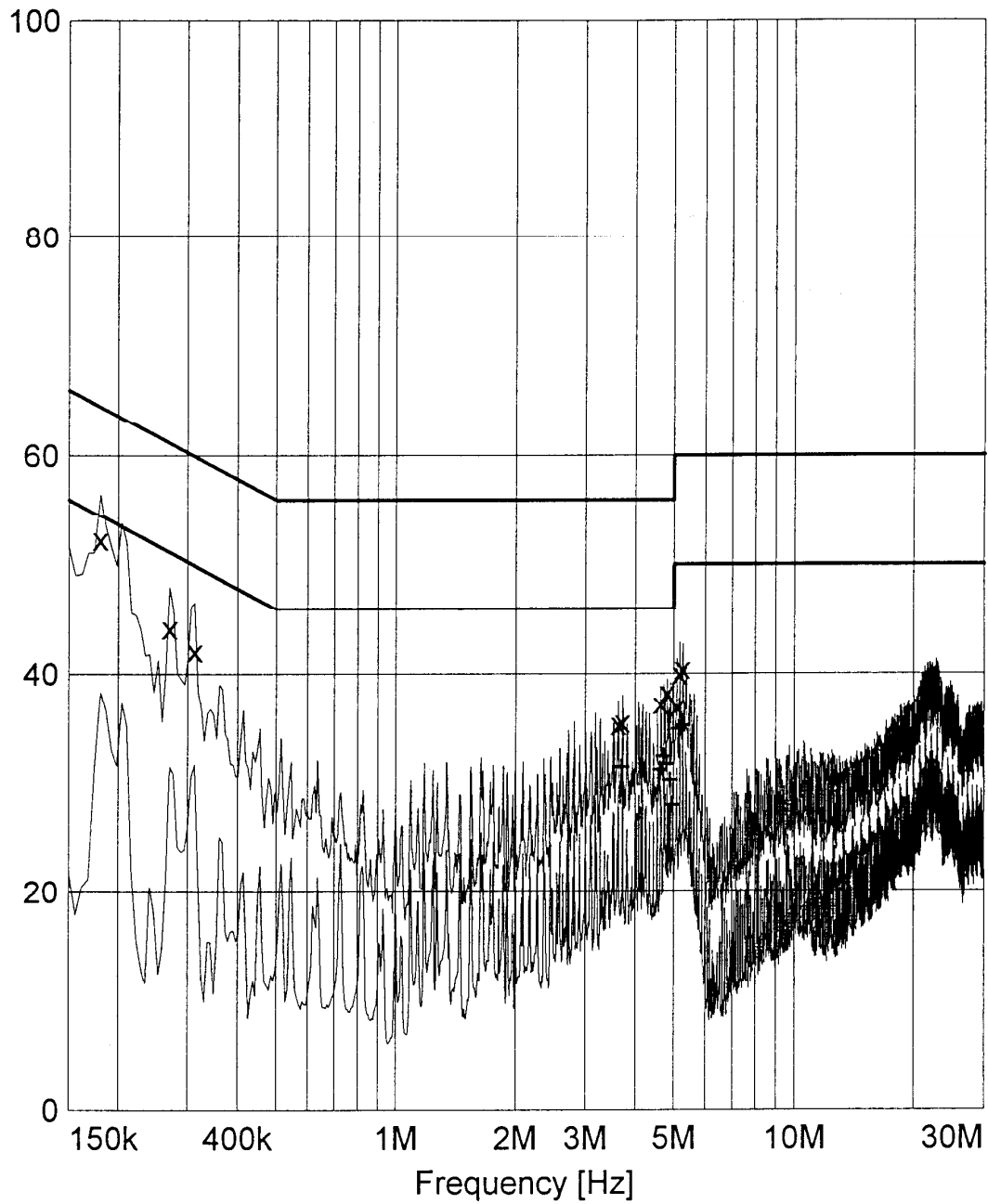
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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"

04.05.99 14:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.180000	52.30	10.0	64.4	12.1	L1	GND
0.270000	44.20	10.0	61.1	16.8	L1	GND
0.312000	42.10	10.0	59.9	17.7	L1	GND
3.630000	35.30	10.0	56.0	20.6	N	GND
3.720000	35.50	10.0	56.0	20.4	N	GND
4.626000	37.20	10.0	56.0	18.7	N	GND
4.806000	38.30	10.0	56.0	17.6	N	GND
5.082000	36.90	10.0	60.0	23.0	N	GND
5.172000	40.00	10.0	60.0	20.0	N	GND
5.262000	40.50	10.0	60.0	19.4	N	GND

MEASUREMENT RESULT: "Average"

04.05.99 14:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
3.720000	31.50	10.0	46.0	14.5	N	GND
4.626000	31.20	10.0	46.0	14.8	N	GND
4.716000	32.40	10.0	46.0	13.5	N	GND
4.806000	31.70	10.0	46.0	14.2	N	GND
4.896000	30.30	10.0	46.0	15.6	L1	GND
4.956000	27.80	10.0	46.0	18.2	N	GND
5.172000	34.90	10.0	50.0	15.0	N	GND
5.262000	35.20	10.0	50.0	14.7	N	GND
22.140000	27.80	10.0	50.0	22.1	N	GND
22.866000	27.60	10.0	50.0	22.3	N	GND

Radiated emission according to:

to EN55022 class B

EUT: Scenic Mobile 750 AGP, 400 MHz PII, 14,1" TFT(NEC)
Manufacturer: Siemens AG
Operating Condition: ScrH, 1024x768 60Hz ; HD/CD-Test
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: R.Schaufler
Configuration: full configuration; Monitor MCM 1705
Comment: AC-Adapter extern; Accu intern
Start of Test: 29.04.99 / 13:43:22

SCAN TABLE: "10m/30-1000"

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

Detector: Mode.

Curve 1: MaxPeak ClearWrite

Subrange 1:

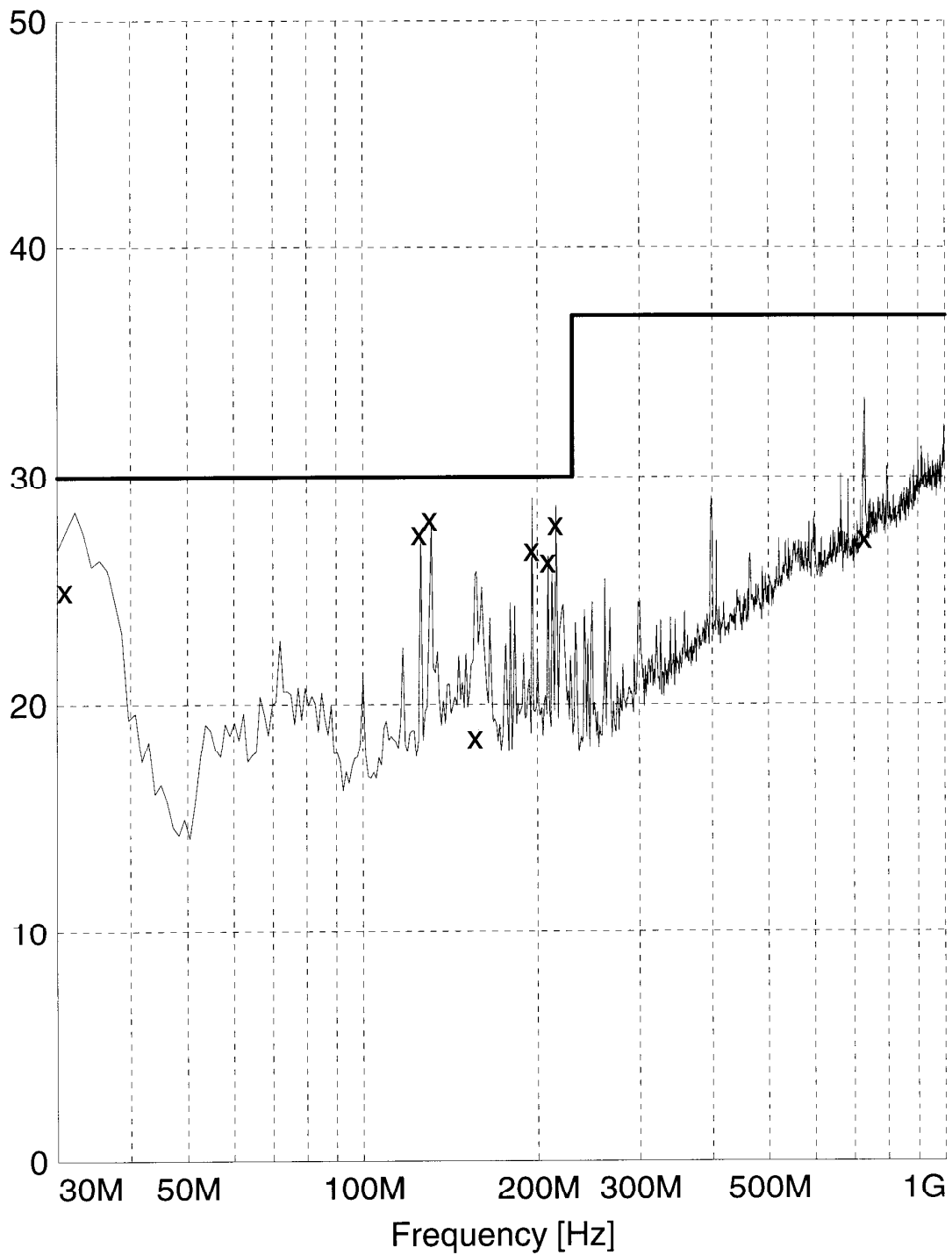
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

Receiver: ESXI Transducer: CBL6112 cal. 9/95
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:

Level [dB μ V/m]



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

MEASUREMENT RESULT: "Quasi Peak"

29.04.99 14:31

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.900000	25.00	17.9	30.0	5.0	100.0	0.00	VERTICAL
125.010000	27.50	13.0	30.0	2.5	100.0	29.00	VERTICAL
130.290000	28.10	12.8	30.0	1.9	100.0	180.00	VERTICAL
156.330000	18.60	11.9	30.0	11.4	100.0	0.00	VERTICAL
195.480000	26.80	10.9	30.0	3.2	100.0	59.00	VERTICAL
208.470000	26.30	11.4	30.0	3.7	100.0	119.00	VERTICAL
214.980000	27.90	11.8	30.0	2.1	160.0	90.00	VERTICAL
729.240000	27.30	22.4	37.0	9.7	280.0	90.00	VERTICAL

**Radiated emission according to:
to FCC class B**

EUT: Seenic Mobile 750 AGP, 400 MHz PII, 14,1" TFT(NEC)
Manufacturer: Siemens AG
Operating Condition: ScrH, 1024x768 60Hz ; HD/CD-Test
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: R.Schaufler
Configuration: full configuration; Monitor MCM 1705
Comment: AC-Adapter extern; Accu intern
Start of Test: 29.04.99 / 15:11:48

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:

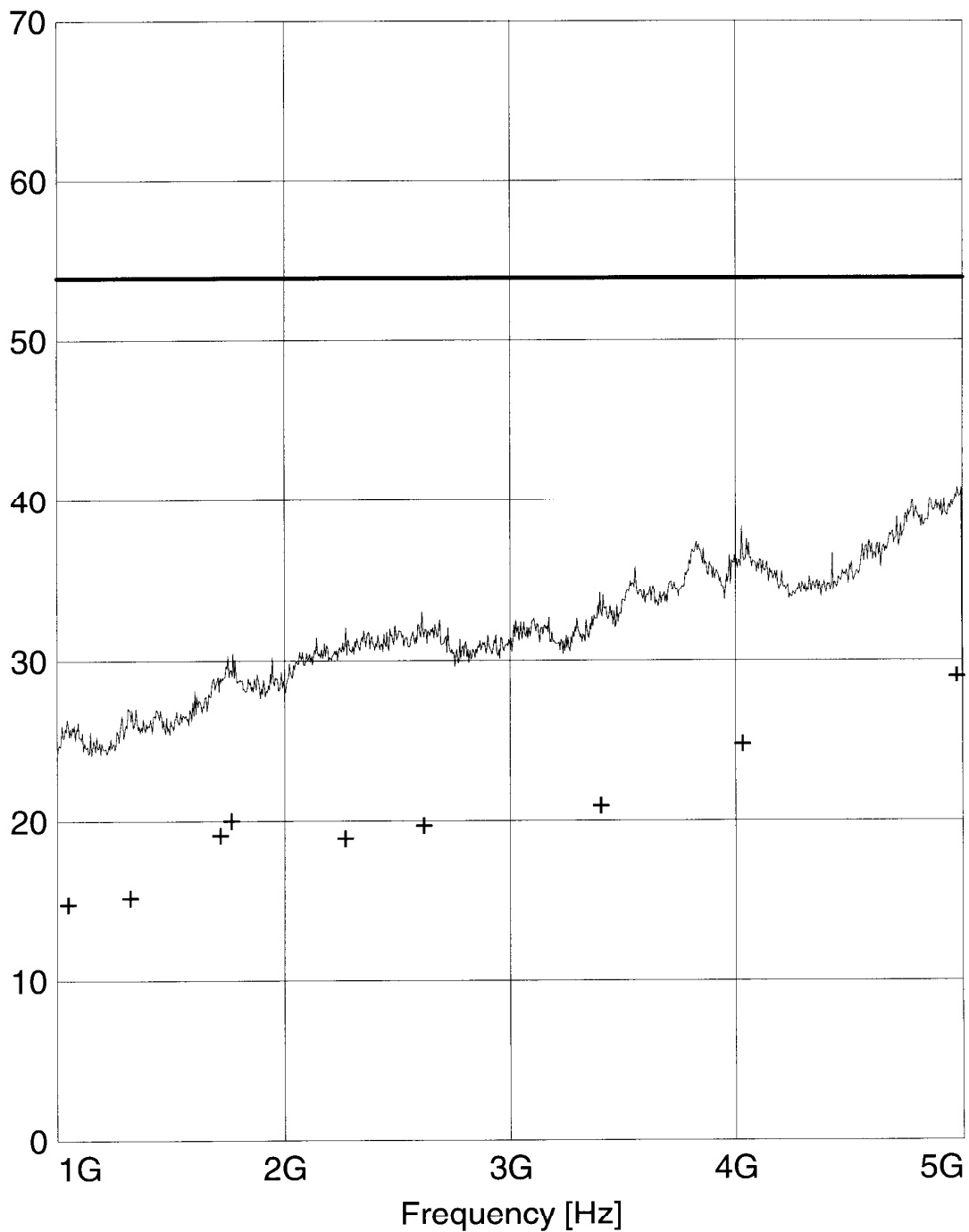
Start Frequency:	1.0 GHz	Step Size:	300.0 kHz
Stop Frequency:	5.0 GHz		
Measure Time:	10.0 ms		
IF Bandwidth:	1 MHz		

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:	Off

Level [dB μ V/m]



+	+	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: "Average"

29.04.99 16:04

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1048.600000	15.00	9.1	53.9	38.9	180.0	210.00	VERTICAL
1320.700000	15.40	9.3	53.9	38.5	100.0	300.00	HORIZONTAL
1716.100000	19.30	11.2	53.9	34.6	220.0	150.00	VERTICAL
1765.000000	20.20	11.2	53.9	33.7	140.0	150.00	HORIZONTAL
2268.700000	19.10	12.8	53.9	34.8	180.0	180.00	VERTICAL
2617.900000	19.90	14.2	53.9	34.0	140.0	300.00	HORIZONTAL
3404.200000	21.10	15.2	53.9	32.8	300.0	119.00	HORIZONTAL
4031.500000	25.00	18.5	53.9	28.9	140.0	119.00	VERTICAL
4974.100000	29.20	19.6	53.9	24.7	180.0	239.00	VERTICAL