

Conducted noise according to:

EN 55022 class B

EUT: Scenic 860 - P3-600MHz - D1107-A11
Manufacturer: Siemens AG
Operating Condition: Scroll "H" 1024x768x100Hz - HD+CD-Test
Test Site: Siemens AG Augsburg SK1
Operator: M. Heuser
Comment: MCM 1705 NTD - PSU: E427-V20 costoriented
Comment: Full configuration - Monitorpower from PC-Outlet
Start of Test: 10.08.99 / 10:16:21

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

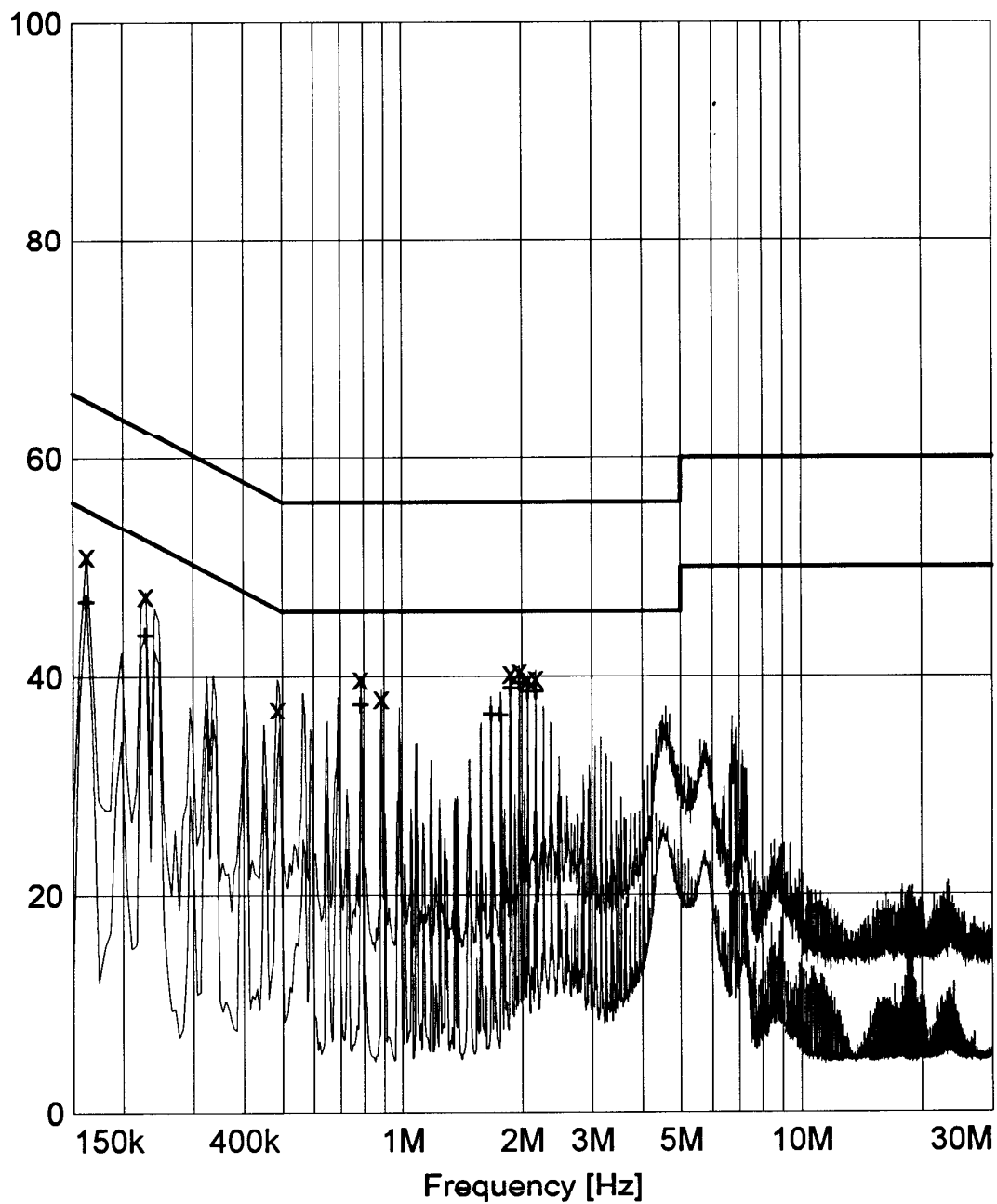
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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"

10.08.99 10:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.162000	51.10	10.0	65.3	14.2	L1	GND
0.228000	47.50	10.0	62.5	15.0	L1	GND
0.486000	37.10	10.0	56.2	19.1	L1	GND
0.786000	39.80	10.0	56.0	16.1	N	GND
0.888000	38.10	10.0	56.0	17.8	L1	GND
1.872000	40.30	10.0	56.0	15.6	L1	GND
1.968000	40.50	10.0	56.0	15.4	L1	GND
2.070000	39.80	10.0	56.0	16.1	L1	GND
2.166000	39.90	10.0	56.0	16.0	L1	GND

MEASUREMENT RESULT: "Average"

10.08.99 10:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.162000	46.90	10.0	55.3	8.4	L1	GND
0.228000	43.70	10.0	52.5	8.7	N	GND
0.786000	37.40	10.0	46.0	8.5	N	GND
1.674000	36.60	10.0	46.0	9.3	L1	GND
1.770000	36.50	10.0	46.0	9.5	L1	GND
1.872000	38.90	10.0	46.0	7.0	L1	GND
1.968000	39.40	10.0	46.0	6.5	L1	GND
2.070000	38.60	10.0	46.0	7.3	L1	GND
2.166000	38.60	10.0	46.0	7.3	L1	GND

Radiated emission according to:
to EN55022 class B

EUT: Scenic 860 PIII 600 MHz, D1107 A11
 Manufacturer: Siemens AG
 Operating Condition: scr. "H" 1024*768/100 Hz, HD+CD-Test
 Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
 Operator: M. Heuser
 Configuration: fully conf.; MCM 1705
 Comment: PSU: E427-V20 costoriented
 Start of Test: 10.08.99 / 08:17:29

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

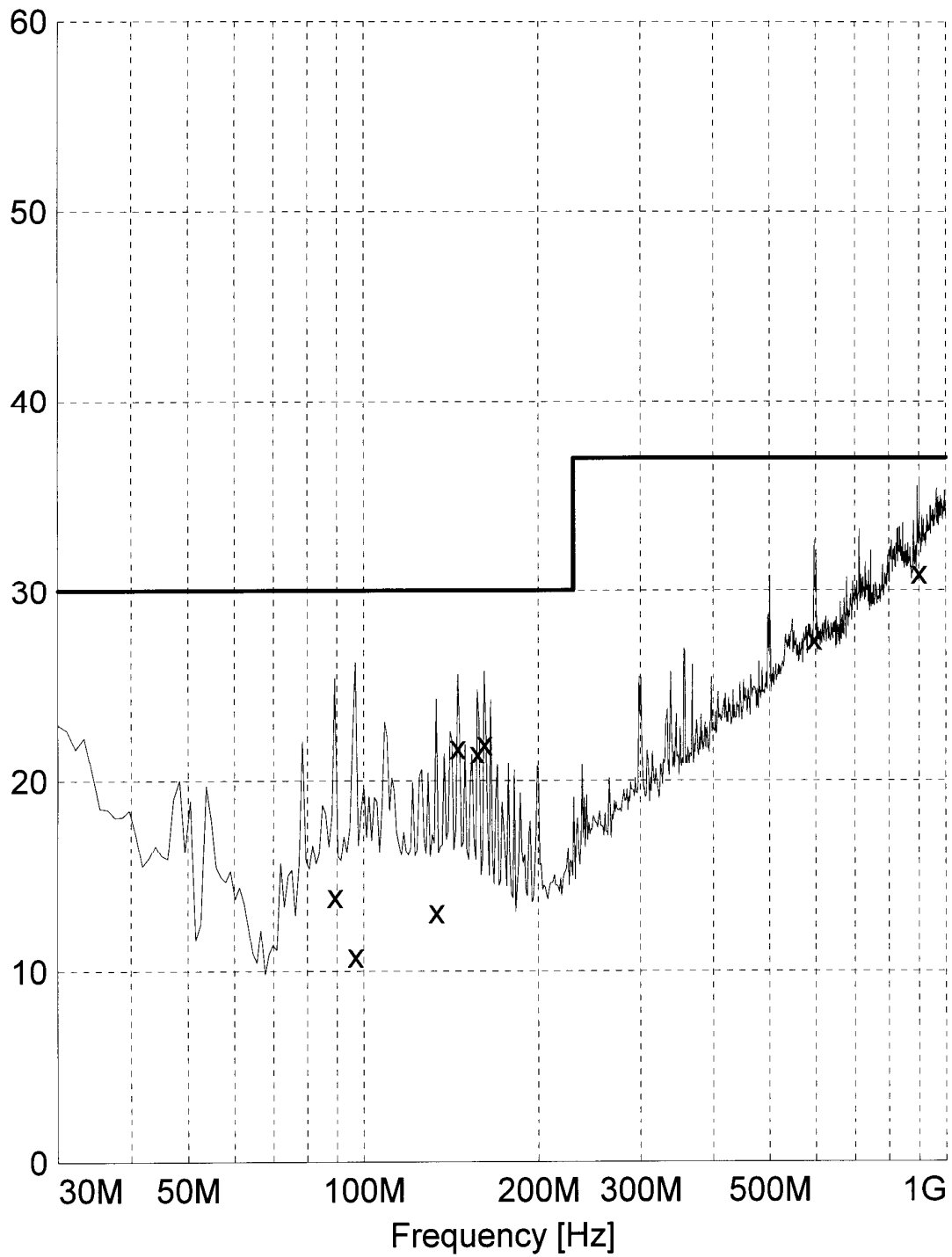
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
 Stop Frequency: 1.0 GHz
 Measure Time: 10.0 ms
 IF Bandwidth: 120 kHz

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:

Level [dB μ V/m]



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

MEASUREMENT RESULT: "Quasi Peak"

10.08.99 09:01

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
89.277778	14.00	9.2	30.0	16.0	100.0	0.00	VERTICAL
96.822222	10.80	10.3	30.0	19.2	220.0	239.00	VERTICAL
133.466667	13.20	12.6	30.0	16.8	100.0	210.00	VERTICAL
145.322222	21.80	12.0	30.0	8.2	100.0	239.00	VERTICAL
157.177778	21.50	11.2	30.0	8.5	100.0	210.00	VERTICAL
161.488889	22.00	10.9	30.0	8.0	100.0	210.00	VERTICAL
596.911111	27.50	22.3	37.0	9.5	400.0	90.00	VERTICAL
900.844444	31.00	26.5	37.0	6.0	400.0	29.00	HORIZONTAL

Radiated emission according to:

to FCC class B

EUT: Personal Computer Scenic 860 PIII/600MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768/100 Hz, HD+CD+LAN-Test
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: M. Bosse
Configuration: fully conf.; Monitor MCM 1705
Comment: Systemboard: D1107-A11; PSU: E427-V20 costoriented
Start of Test: 09.08.99 / 16:27:41

SCAN TABLE: "FCC1-5GHz"

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

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

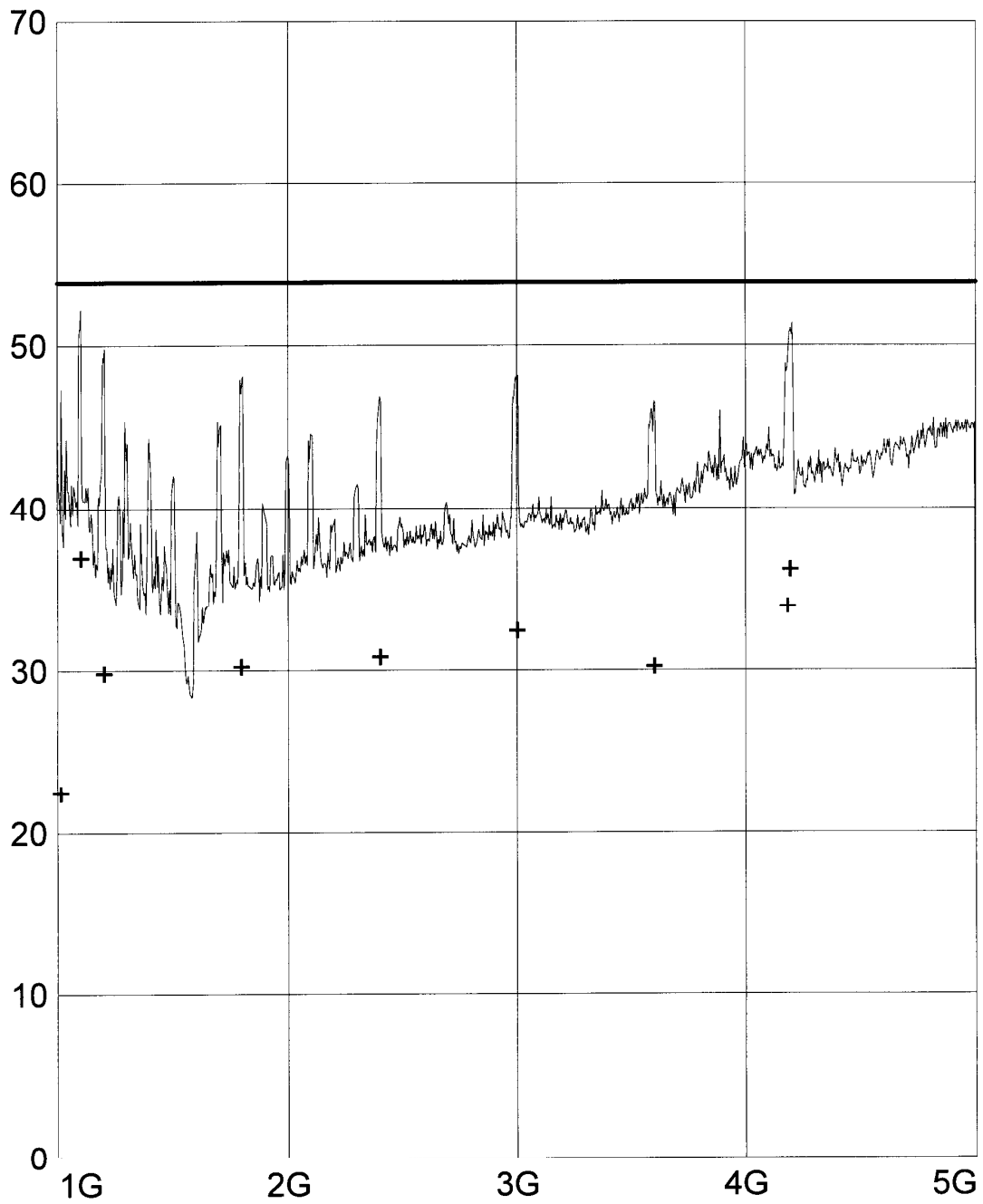
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
Stop Frequency: 5.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 1 MHz

Receiver: ESXI Transducer: Tensor4105v
Signal Path: 2DC-CP7X1 System Transducer: RFin2-CP//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]



+ + 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"

09.08.99 17:26

Frequency MHz	Level dBµV/m	Transd dD	Limit dBµV/m	Margin dD	Height cm	Azimuth deg	Polarisation
1014.100000	22.40	8.3	53.9	31.5	140.0	210.00	HORIZONTAL
1100.200000	36.90	9.2	53.9	17.0	180.0	0.00	HORIZONTAL
1200.400000	29.80	8.3	53.9	24.1	260.0	0.00	HORIZONTAL
1795.900000	30.20	10.9	53.9	23.7	100.0	29.00	HORIZONTAL
2401.000000	30.80	13.4	53.9	23.1	100.0	0.00	HORIZONTAL
3001.300000	32.40	14.6	53.9	21.5	100.0	150.00	HORIZONTAL
3601.600000	30.20	15.9	53.9	23.7	180.0	119.00	VERTICAL
4183.300000	33.90	16.9	53.9	20.0	100.0	330.00	VERTICAL
4194.700000	36.20	16.7	53.9	17.7	100.0	330.00	VERTICAL