

Conducted noise according to:

EN 55022 class B

EUT: Scenic 661 (DT6) PIII 600 MHz, D1107-A11
Manufacturer: Siemens AG
Operating Condition: Scroll "H" 1024x768x100Hz, CD/HD test
Test Site: Siemens AG Augsburg SK1
Operator: M. Heuser
Comment: full conf. Monitor MCM1705, PSU: E425-V20
Comment: Monitor power via system outlet
Start of Test: 29.07.99 / 16:50:59

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

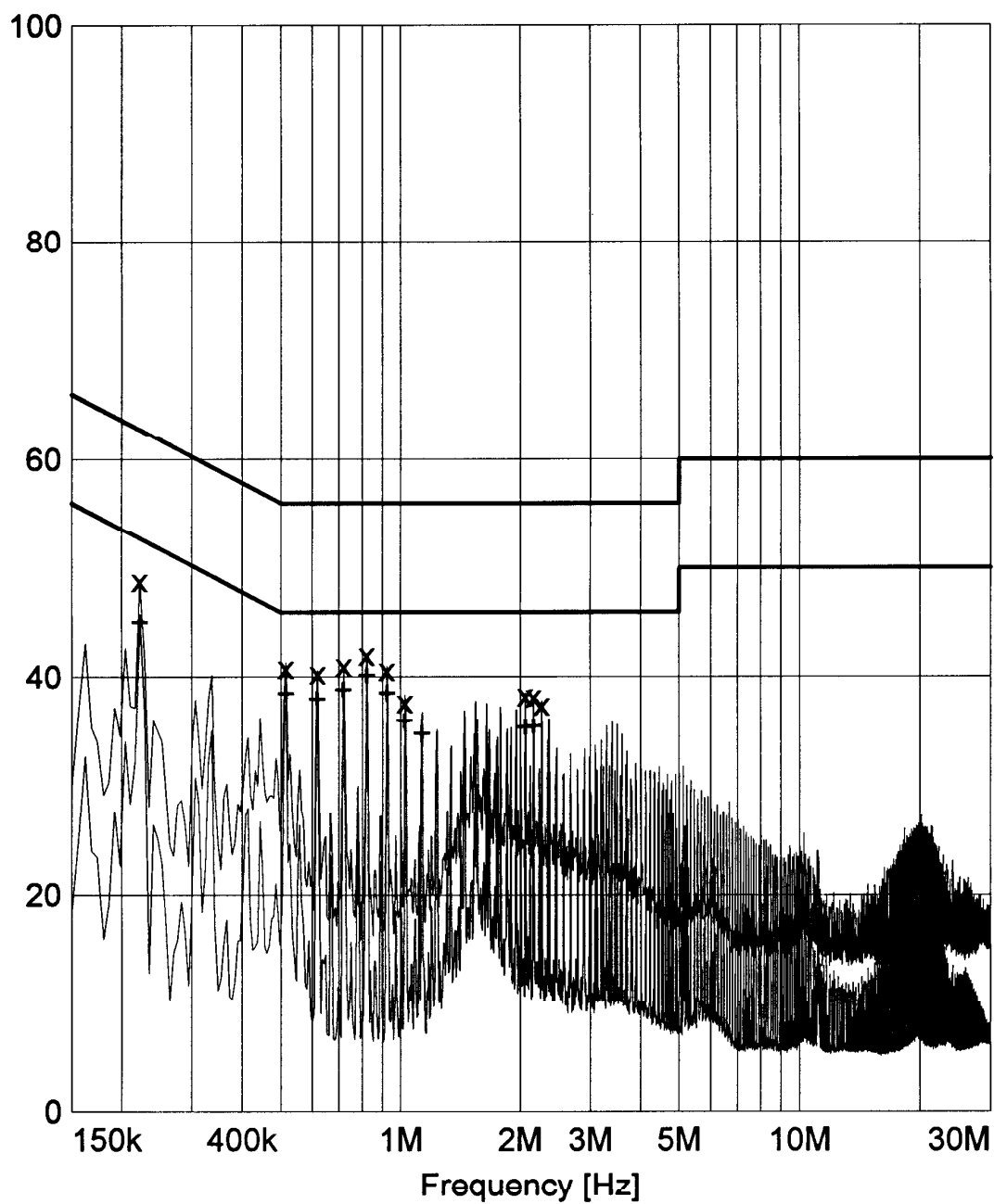
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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"

29.07.99 17:01

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.222000	48.90	10.0	62.7	13.7	L1	GND
0.516000	40.80	10.0	56.0	15.1	N	GND
0.618000	40.30	10.0	56.0	15.6	N	GND
0.720000	41.00	10.0	56.0	14.9	L1	GND
0.822000	42.00	10.0	56.0	13.9	L1	GND
0.924000	40.60	10.0	56.0	15.3	L1	GND
1.026000	37.70	10.0	56.0	18.2	L1	GND
2.058000	38.30	10.0	56.0	17.6	N	GND
2.160000	38.20	10.0	56.0	17.7	N	GND
2.262000	37.40	10.0	56.0	18.5	N	GND

MEASUREMENT RESULT: "Average"

29.07.99 17:01

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.222000	45.10	10.0	52.7	7.5	N	GND
0.516000	38.40	10.0	46.0	7.5	L1	GND
0.618000	37.90	10.0	46.0	8.0	L1	GND
0.720000	38.80	10.0	46.0	7.1	L1	GND
0.822000	40.10	10.0	46.0	5.8	N	GND
0.924000	38.50	10.0	46.0	7.4	L1	GND
1.026000	35.90	10.0	46.0	10.0	N	GND
1.134000	34.70	10.0	46.0	11.2	N	GND
2.058000	35.30	10.0	46.0	10.7	N	GND
2.160000	35.40	10.0	46.0	10.5	N	GND

Radiated emission according to:

to EN55022 class B

EUT: Scenic 661 (DTG) 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: A. Siebenhütter
Configuration: fully conf.; Monitor MCM 1705
Comment: PSU: E425-V20 Minebea; Matrox G200AGP
Start of Test: 29.07.99 / 15:16:17

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

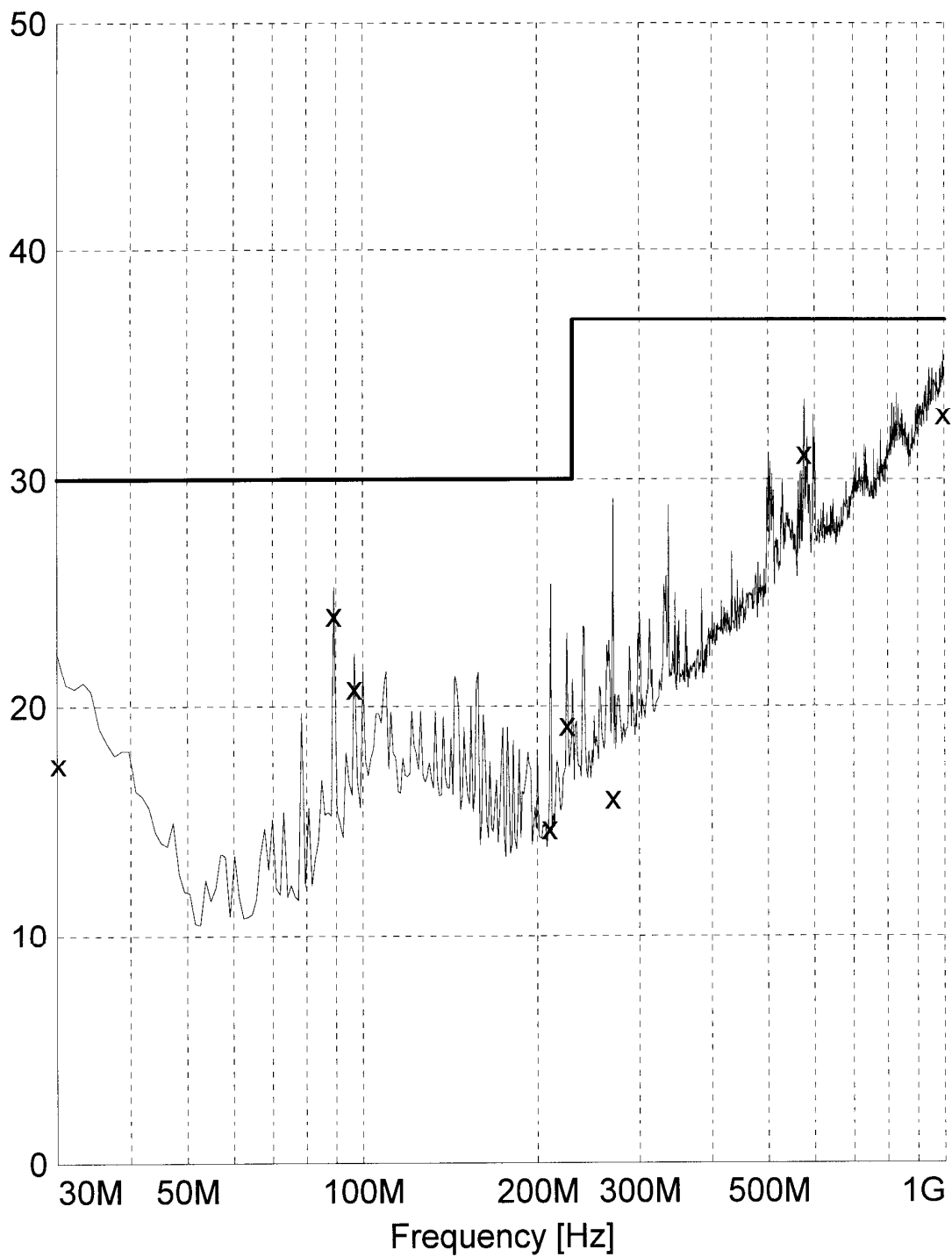
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

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"

29.07.99 16:06

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.120000	17.50	18.6	30.0	12.5	280.0	270.00	HORIZONTAL
89.130000	24.00	9.2	30.0	6.0	100.0	330.00	VERTICAL
96.690000	20.80	10.3	30.0	9.2	160.0	210.00	VERTICAL
209.970000	14.70	9.8	30.0	15.3	160.0	119.00	VERTICAL
225.090000	19.20	10.7	30.0	10.8	340.0	300.00	HORIZONTAL
270.240000	16.00	13.7	37.0	21.0	100.0	59.00	HORIZONTAL
575.700000	31.10	21.6	37.0	5.9	280.0	90.00	VERTICAL
994.650000	32.80	28.7	37.0	4.2	160.0	150.00	VERTICAL

Radiated emission according to:
to FCC class B

EUT: Scenic G61(DTG) PIII/600 MHz
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: full configuration
Comment: PSU: E425-V20 (costoriented)
Start of Test: 09.08.99 / 13:41:02

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:

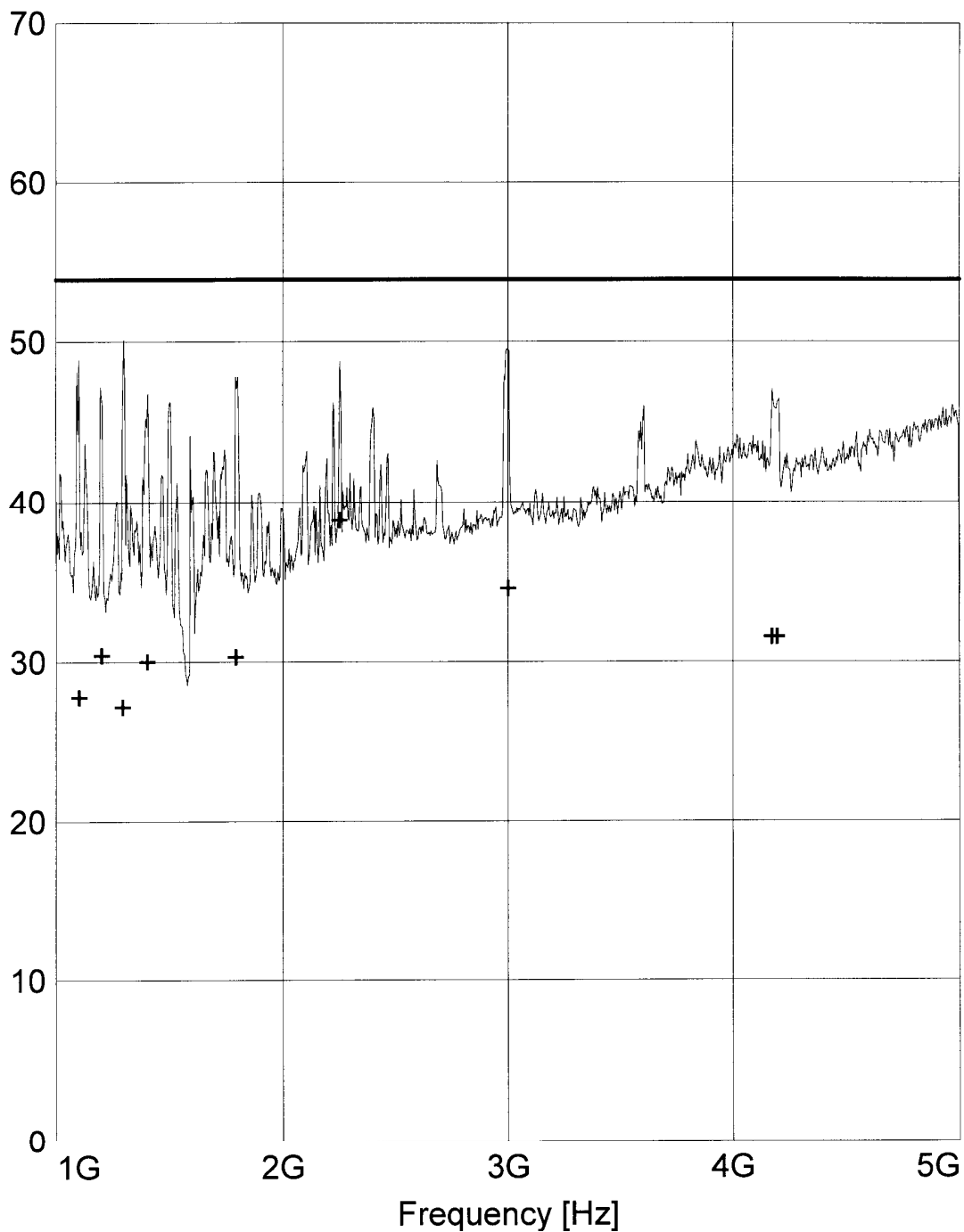
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
Stop Frequency: 5.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 1 MHz

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



+	+	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 14:37

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1100.200000	27.70	9.2	53.9	26.2	180.0	0.00	HORIZONTAL
1200.100000	30.40	8.3	53.9	23.5	140.0	210.00	HORIZONTAL
1291.300000	27.10	9.1	53.9	26.8	100.0	0.00	VERTICAL
1400.200000	30.00	9.1	53.9	23.9	140.0	29.00	VERTICAL
1790.200000	30.30	10.9	53.9	23.6	100.0	0.00	VERTICAL
2250.100000	38.80	12.5	53.9	15.1	100.0	29.00	VERTICAL
3001.000000	34.60	14.6	53.9	19.3	180.0	59.00	VERTICAL
4171.300000	31.50	17.1	53.9	22.4	100.0	0.00	VERTICAL
4194.700000	31.50	16.7	53.9	22.4	100.0	0.00	HORIZONTAL