

Conducted noise according to:

EN 55022 class B

EUT: Scenic 620 (DT6) Celeron 500MHz D1132-A10
Manufacturer: Siemens AG
Operating Condition: Scr "H" 1024x768x100 Hz; HD-CD-Test
Test Site: Siemens AG Augsburg SK2
Operator: M. Bosse
Configuration: fully conf, Monitor MCM 1705, PSU:E425-V20
Comment: Monitor Power connected to System Outlet
Start of Test: 02.08.99 / 16:11:12

SCAN TABLE: "Volt_015-30fin"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

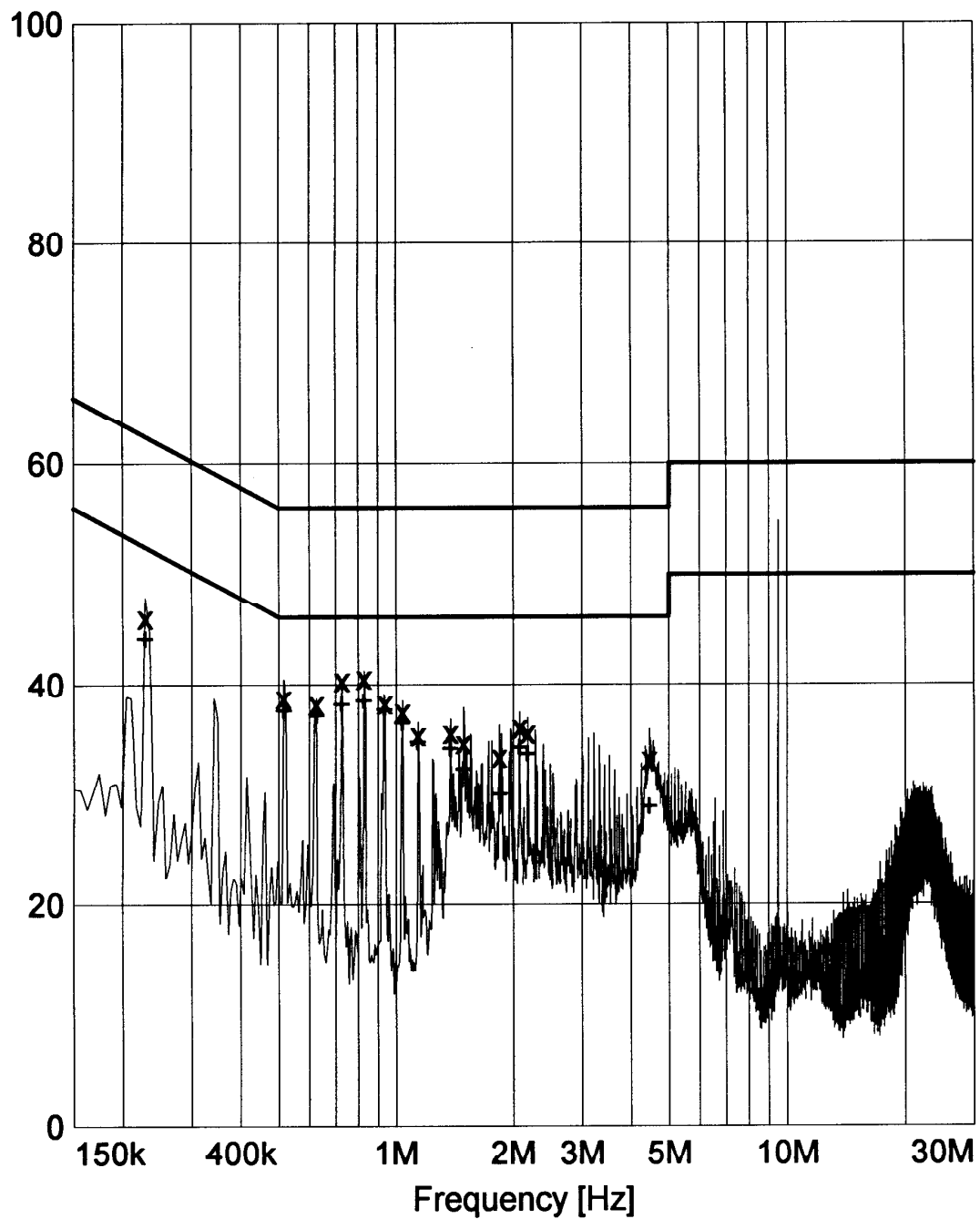
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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

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

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

Level [dB μ V]



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

MEASUREMENT RESULT: "Quasi Peak"

02.08.99 16:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.228000	46.00	10.0	62.5	16.5	N	GND
0.516000	38.80	10.0	56.0	17.2	L1	GND
0.624000	38.20	10.0	56.0	17.7	N	GND
0.726000	40.40	10.0	56.0	15.6	N	GND
0.828000	40.60	10.0	56.0	15.4	N	GND
0.936000	38.30	10.0	56.0	17.7	N	GND
1.038000	37.50	10.0	56.0	18.5	L1	GND
1.140000	35.40	10.0	56.0	20.6	N	GND
1.380000	35.60	10.0	56.0	20.4	L1	GND
1.494000	34.70	10.0	56.0	21.2	N	GND
1.842000	33.40	10.0	56.0	22.6	N	GND
2.076000	36.10	10.0	56.0	19.9	L1	GND
2.178000	35.60	10.0	56.0	20.4	N	GND
4.464000	33.20	10.0	56.0	22.7	L1	GND

MEASUREMENT RESULT: "Average"

02.08.99 16:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.228000	44.00	10.0	52.5	8.5	N	GND
0.516000	37.50	10.0	46.0	8.5	N	GND
0.624000	37.10	10.0	46.0	8.8	N	GND
0.726000	38.10	10.0	46.0	7.8	N	GND
0.828000	38.40	10.0	46.0	7.6	L1	GND
0.936000	37.60	10.0	46.0	8.3	L1	GND
1.038000	36.40	10.0	46.0	9.6	N	GND
1.140000	34.70	10.0	46.0	11.2	N	GND
1.380000	34.10	10.0	46.0	11.8	L1	GND
1.494000	32.20	10.0	46.0	13.7	L1	GND
1.842000	29.90	10.0	46.0	16.1	L1	GND
2.076000	34.20	10.0	46.0	11.7	N	GND
2.178000	33.60	10.0	46.0	12.3	N	GND
4.464000	28.80	10.0	46.0	17.2	L1	GND

Radiated emission according to:
to EN55022 class B

EUT: Personal Computer Scenic 620 (DT6) Cel. 500MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768/100 Hz, HD+CD-Test
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: H. Zenkner
Configuration: fully conf.; Monitor MCM 1705
Comment: PSU: E425-V20 costoriented
Start of Test: 29.07.99 / 11:20:41

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

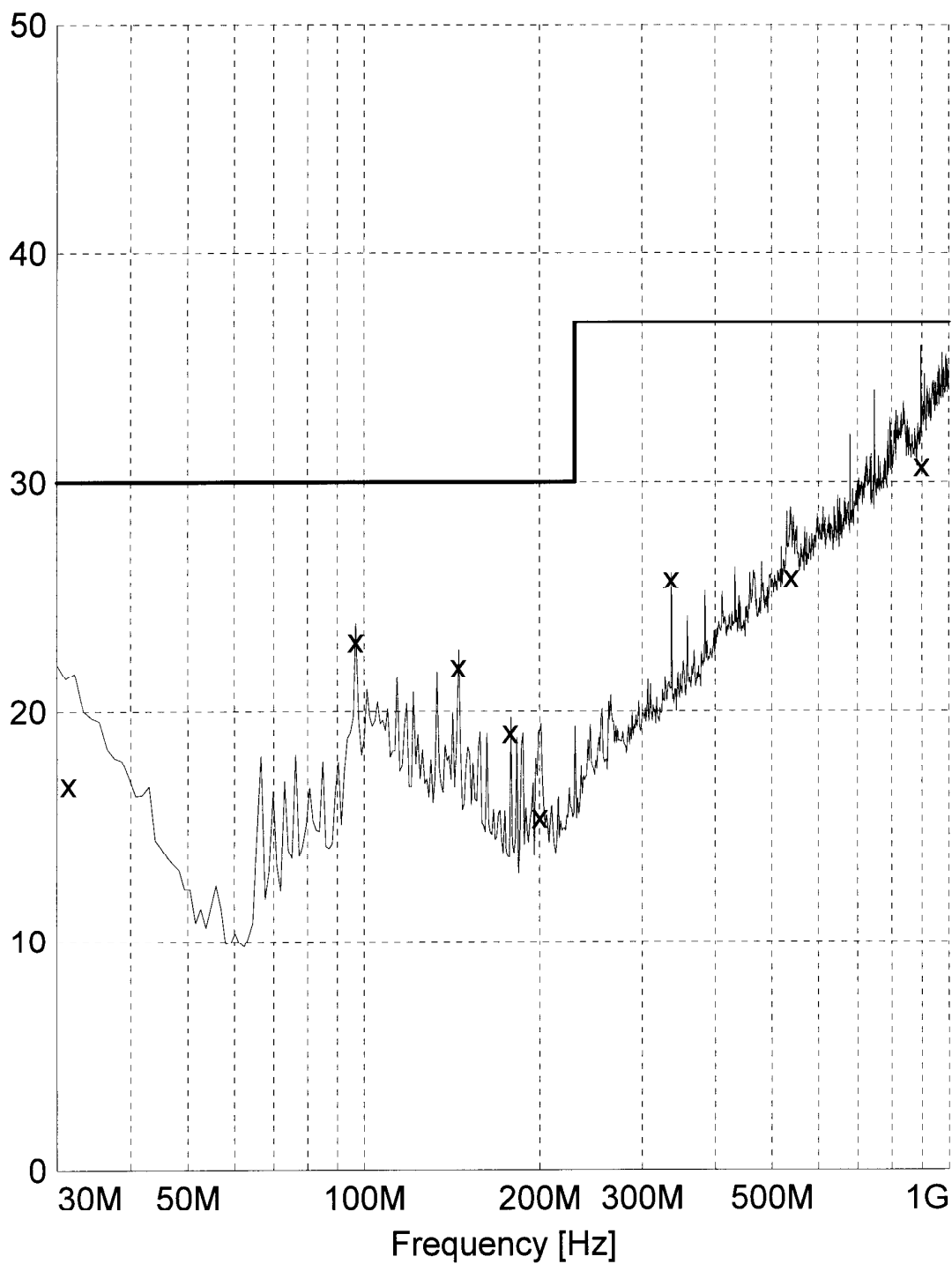
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

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 12:11

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
31.320000	16.80	18.1	30.0	13.2	340.0	29.00	HORIZONTAL
96.690000	23.10	10.3	30.0	6.9	160.0	239.00	VERTICAL
145.020000	22.00	12.1	30.0	8.0	100.0	180.00	VERTICAL
178.020000	19.10	9.7	30.0	10.9	400.0	29.00	HORIZONTAL
200.190000	15.40	9.9	30.0	14.6	400.0	150.00	HORIZONTAL
336.030000	25.80	15.9	37.0	11.2	220.0	59.00	HORIZONTAL
539.280000	25.90	22.8	37.0	11.1	220.0	180.00	VERTICAL
897.540000	30.70	26.4	37.0	6.3	340.0	210.00	VERTICAL

Radiated emission according to:
to FCC class B

EUT: Personal Computer Scenic 620 (DT6) Cel. 500MHz
 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.; Monitor MCM 1705
 Comment: Systemboard: D1132-A10; PSU: E425-V20 costoriented
 Start of Test: 09.08.99 / 14:47:51

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:

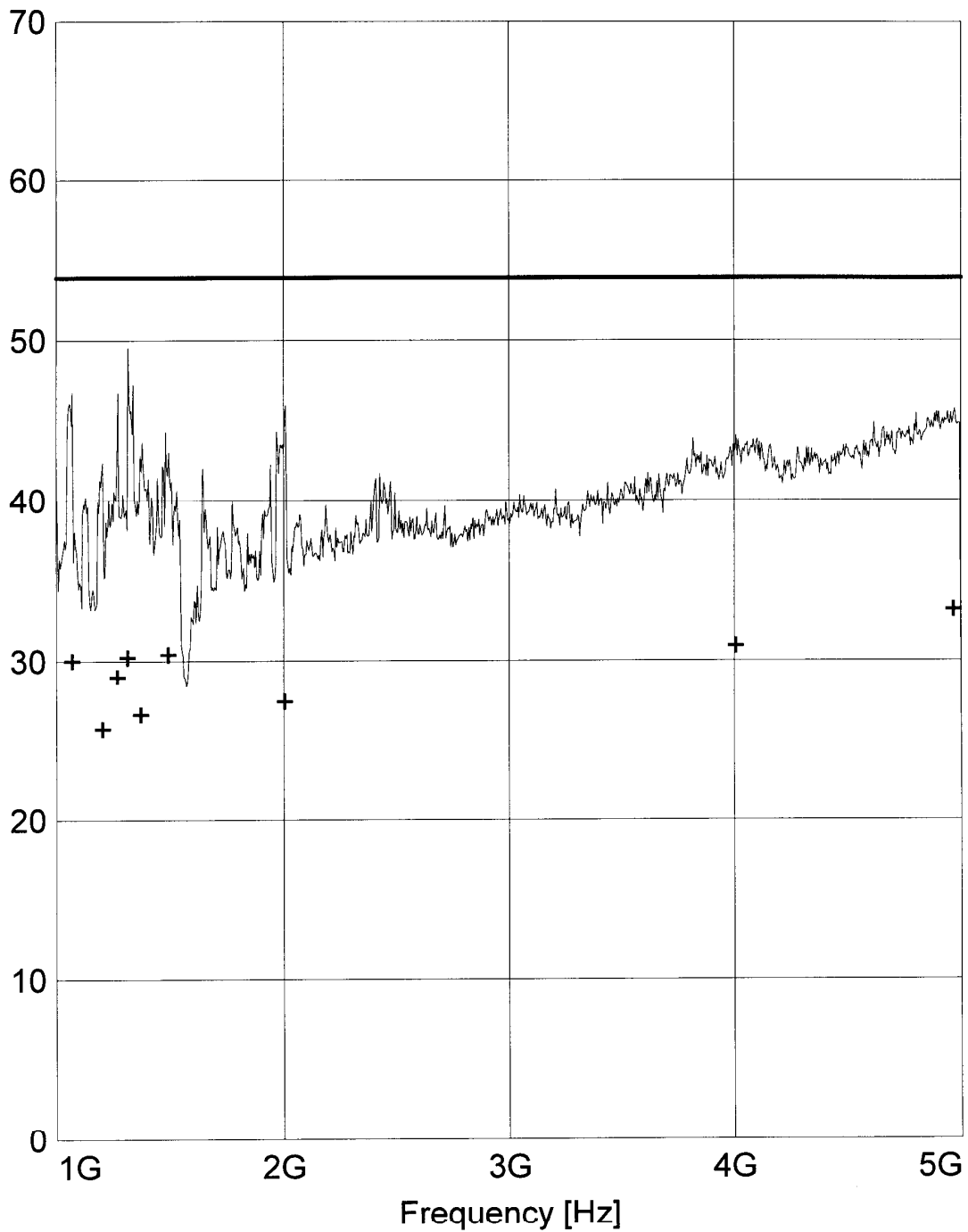
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
 Stop Frequency: 5.0 GHz
 Measure Time: 10.0 ms
 IF Bandwidth: 1 MHz

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]



+ + 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 15:35

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1068.400000	30.00	9.2	53.9	23.9	180.0	0.00	HORIZONTAL
1201.900000	25.70	8.3	53.9	28.2	180.0	29.00	VERTICAL
1267.000000	29.00	8.9	53.9	24.9	100.0	29.00	VERTICAL
1311.100000	30.20	9.0	53.9	23.7	100.0	29.00	VERTICAL
1368.700000	26.60	9.3	53.9	27.3	100.0	59.00	VERTICAL
1489.900000	30.40	9.1	53.9	23.5	180.0	0.00	HORIZONTAL
2003.200000	27.40	11.0	53.9	26.5	140.0	0.00	HORIZONTAL
4005.100000	30.90	18.7	53.9	23.0	100.0	29.00	HORIZONTAL
4966.600000	33.10	19.6	53.9	20.8	140.0	0.00	VERTICAL