

Conducted noise according to:

EN 55022 class B

EUT: PC-Sheffield, Scenic620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768/75Hz; HD+CD+LAN-Test
Test Site: Siemens AG Augsburg SK1
Operator: H. Zenkner
Comment: full config.; MonitorMCM1707 power supply external
Comment: Power supply: Astec E425-V30
Start of Test: 22.12.98 / 09:09:14

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

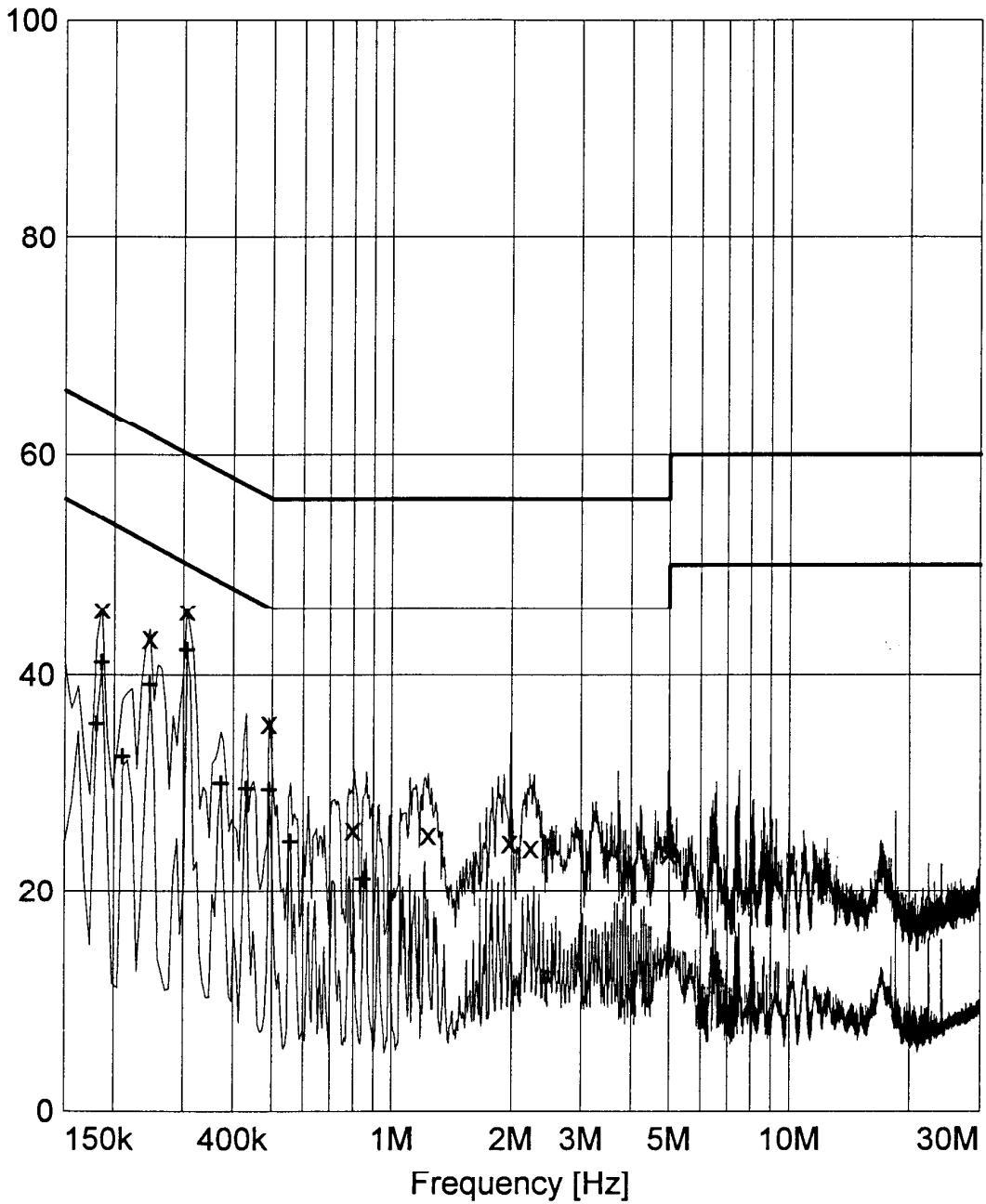
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

Receiver: ESH3 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"

22.12.98 09:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.186000	46.00	10.0	64.2	18.1	L1	GND
0.246000	43.30	10.0	61.8	18.5	N	GND
0.306000	45.80	10.0	60.0	14.2	L1	GND
0.492000	35.50	10.0	56.1	20.6	N	GND
0.798000	25.70	10.0	56.0	30.2	N	GND
1.236000	25.30	10.0	56.0	30.6	L1	GND
1.974000	24.50	10.0	56.0	31.4	L1	GND
2.232000	24.10	10.0	56.0	31.8	L1	GND
4.980000	23.60	10.0	56.0	32.4	L1	GND

MEASUREMENT RESULT: "Average"

22.12.98 09:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.180000	35.40	10.0	54.4	19.0	L1	GND
0.186000	41.10	10.0	54.2	13.0	N	GND
0.210000	32.40	10.0	53.2	20.7	N	GND
0.246000	39.10	10.0	51.8	12.7	L1	GND
0.306000	42.20	10.0	50.0	7.8	L1	GND
0.372000	30.00	10.0	48.4	18.4	L1	GND
0.432000	29.50	10.0	47.2	17.7	N	GND
0.492000	29.40	10.0	46.1	16.7	L1	GND
0.558000	24.60	10.0	46.0	21.3	L1	GND
0.846000	21.20	10.0	46.0	24.7	N	GND

Conducted noise according to:

EN 55022 class B

EUT: PC-Sheffield, Scenic620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1600*1200/75Hz; HD+CD+LAN-Test
Test Site: Siemens AG Augsburg SK1
Operator: H. Zenkner
Comment: full config.; MonitorMCM1707 power supply via system unit
Comment: Power supply: Astec E425-V30
Start of Test: 22.12.98 / 13:05:07

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

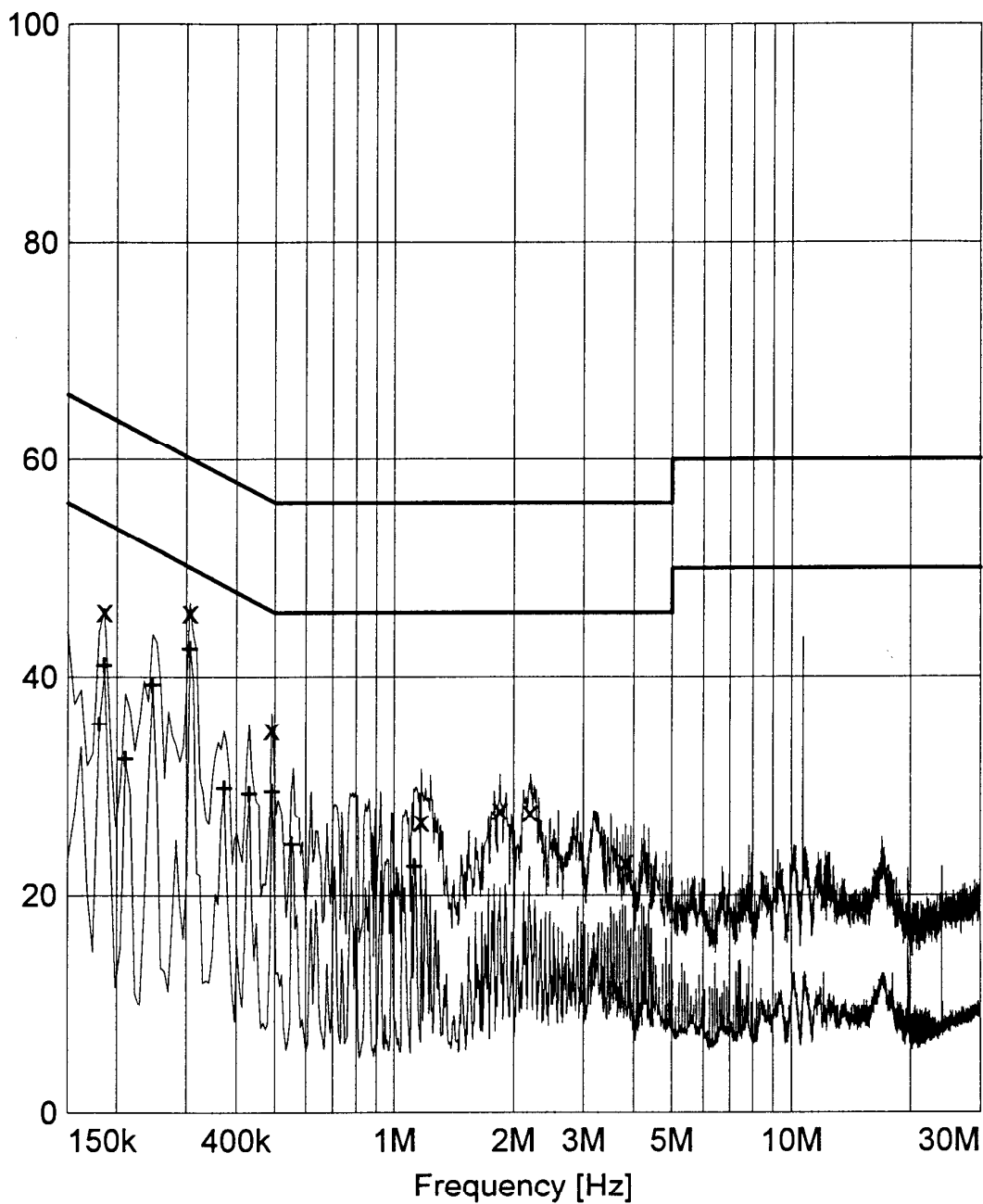
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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"

22.12.98 13:15

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.186000	46.20	10.0	64.2	17.9	L1	GND
0.306000	46.10	10.0	60.0	13.8	N	GND
0.492000	35.20	10.0	56.1	20.9	L1	GND
1.170000	26.70	10.0	56.0	29.2	L1	GND
1.848000	27.80	10.0	56.0	28.1	N	GND
2.202000	27.60	10.0	56.0	28.3	N	GND
3.822000	23.00	10.0	56.0	32.9	L1	GND

MEASUREMENT RESULT: "Average"

22.12.98 13:15

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.180000	35.70	10.0	54.4	18.7	L1	GND
0.186000	41.00	10.0	54.2	13.1	N	GND
0.210000	32.50	10.0	53.2	20.6	L1	GND
0.246000	39.30	10.0	51.8	12.5	L1	GND
0.306000	42.50	10.0	50.0	7.5	L1	GND
0.372000	29.80	10.0	48.4	18.5	L1	GND
0.432000	29.30	10.0	47.2	17.8	L1	GND
0.492000	29.50	10.0	46.1	16.6	N	GND
0.552000	24.60	10.0	46.0	21.3	N	GND
1.128000	22.60	10.0	46.0	23.3	N	GND

Conducted noise according to:

EN 55022 class B

EUT: PC-Sheffield, Scenic620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768/75Hz; HD+CD+LAN-Test
Test Site: Siemens AG Augsburg SK1
Operator: H. Zenkner
Comment: full config.; MonitorMCM1707 power supply via system unit
Comment: Power supply: Minebea E425-V20
Start of Test: 22.12.98 / 08:45:08

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

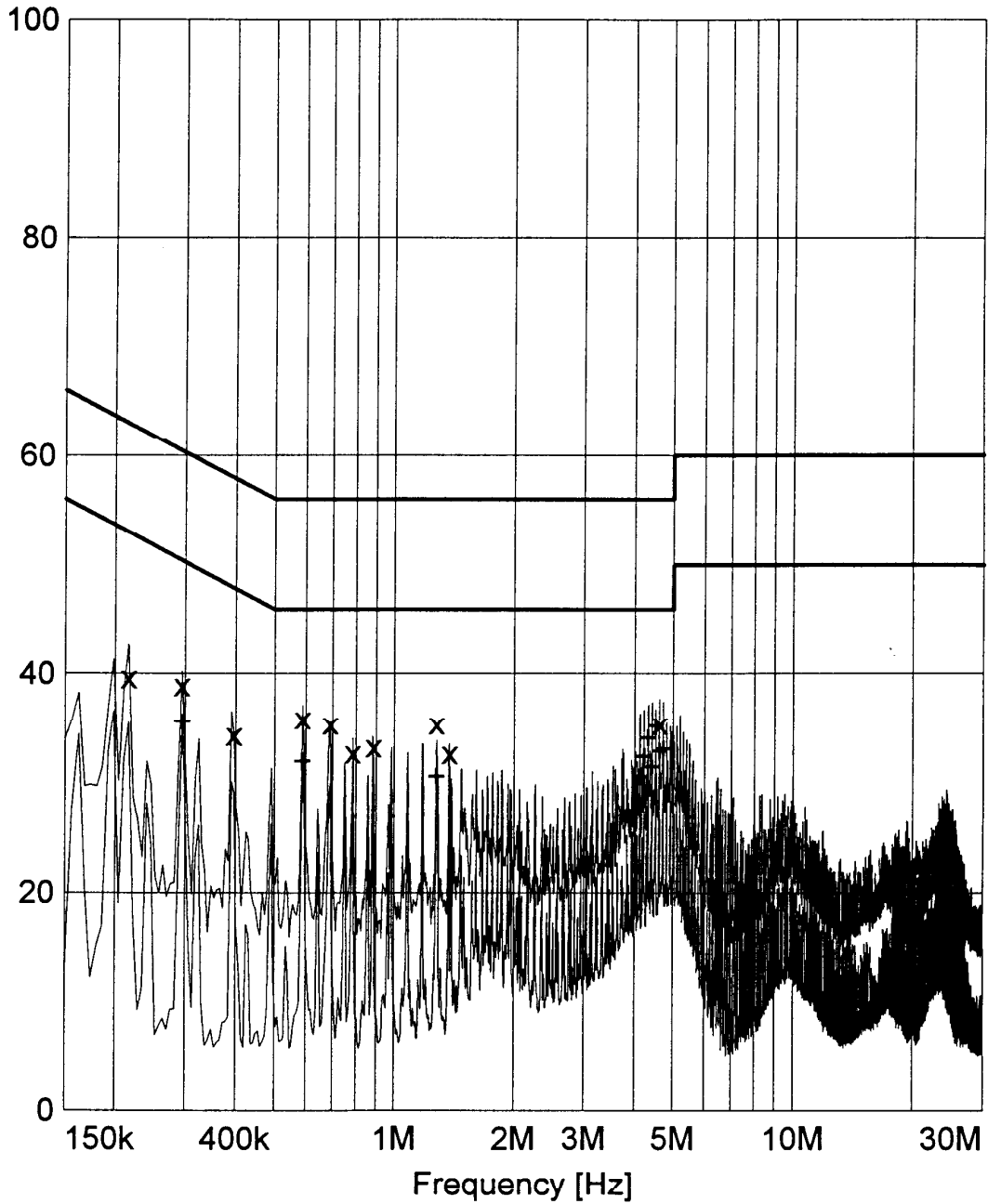
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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"

22.12.98 08:55

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.216000	39.60	10.0	62.9	23.3	L1	GND
0.294000	38.90	10.0	60.4	21.4	N	GND
0.396000	34.40	10.0	57.9	23.5	N	GND
0.588000	35.90	10.0	56.0	20.0	L1	GND
0.690000	35.40	10.0	56.0	20.5	N	GND
0.786000	32.80	10.0	56.0	23.2	L1	GND
0.888000	33.30	10.0	56.0	22.6	L1	GND
1.278000	35.40	10.0	56.0	20.5	L1	GND
1.380000	32.70	10.0	56.0	23.2	L1	GND
4.626000	35.40	10.0	56.0	20.5	N	GND

MEASUREMENT RESULT: "Average"

22.12.98 08:55

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.294000	35.60	10.0	50.4	14.8	L1	GND
0.588000	32.00	10.0	46.0	14.0	N	GND
1.278000	30.60	10.0	46.0	15.3	N	GND
4.134000	30.60	10.0	46.0	15.3	L1	GND
4.236000	32.40	10.0	46.0	13.5	L1	GND
4.332000	34.10	10.0	46.0	11.8	L1	GND
4.428000	31.50	10.0	46.0	14.4	N	GND
4.530000	35.20	10.0	46.0	10.7	L1	GND
4.626000	32.90	10.0	46.0	13.0	N	GND
4.728000	33.10	10.0	46.0	12.8	N	GND

Conducted noise according to:

EN 55022 class B

EUT: PC-Sheffield, Scenic620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1600*1200/75Hz; HD+CD+LAN-Test
Test Site: Siemens AG Augsburg SK1
Operator: H. Zenkner
Comment: full config.; MonitorMCM1707 power supply external
Comment: Power supply: Minebea E425-V20
Start of Test: 22.12.98 / 13:25:24

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

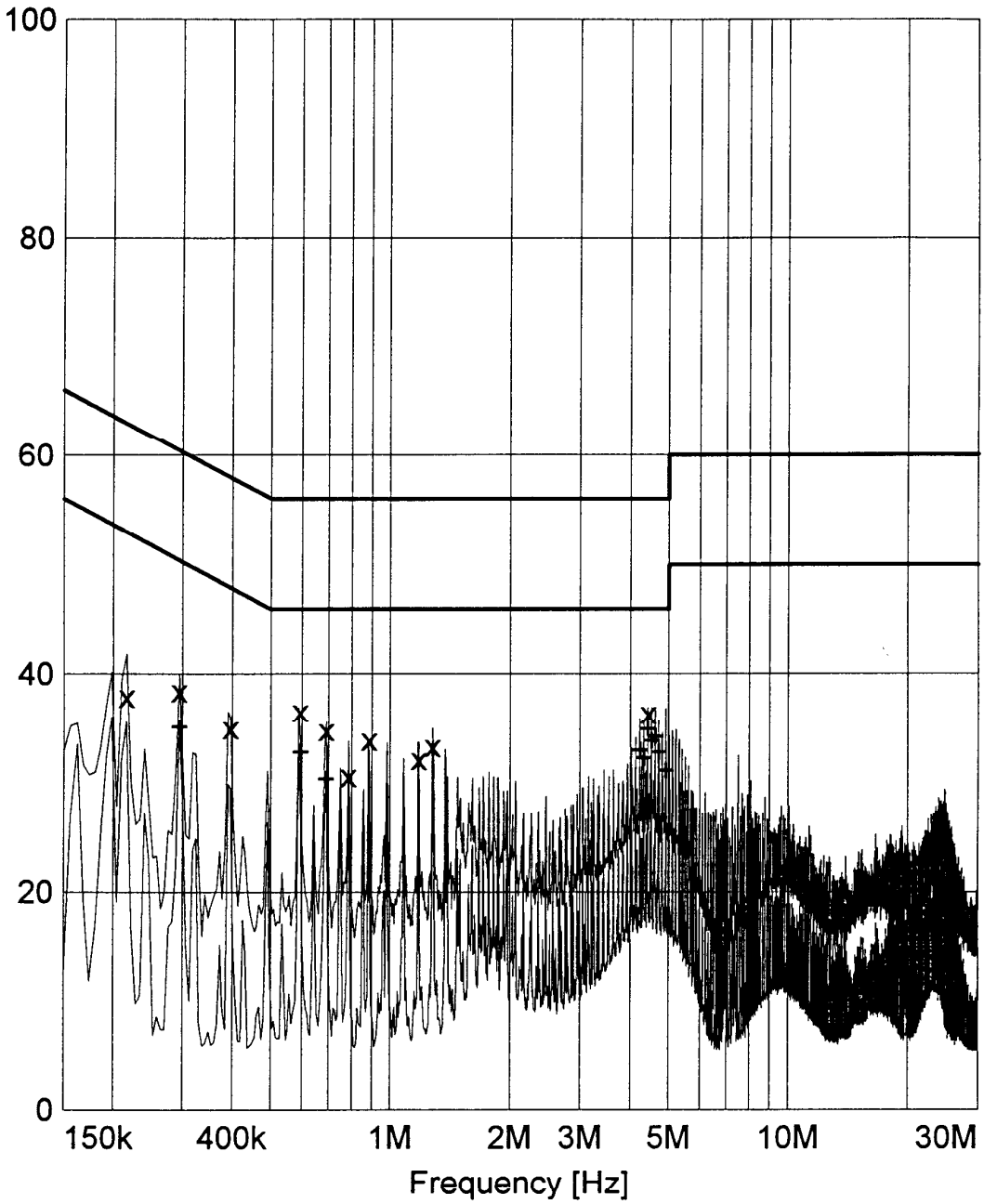
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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"

22.12.98 13:36

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.216000	37.90	10.0	62.9	25.0	N	GND
0.294000	38.40	10.0	60.4	21.9	N	GND
0.396000	35.00	10.0	57.9	22.9	N	GND
0.594000	36.60	10.0	56.0	19.3	L1	GND
0.690000	34.80	10.0	56.0	21.2	L1	GND
0.786000	30.60	10.0	56.0	25.3	N	GND
0.888000	33.90	10.0	56.0	22.0	L1	GND
1.182000	32.10	10.0	56.0	23.9	L1	GND
1.278000	33.30	10.0	56.0	22.6	N	GND
4.440000	36.40	10.0	56.0	19.5	N	GND

MEASUREMENT RESULT: "Average"

22.12.98 13:36

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Line	PE
0.294000	35.10	10.0	50.4	15.2	N	GND
0.594000	32.80	10.0	46.0	13.1	L1	GND
0.690000	30.30	10.0	46.0	15.6	N	GND
4.242000	33.00	10.0	46.0	12.9	L1	GND
4.338000	32.20	10.0	46.0	13.7	L1	GND
4.440000	34.90	10.0	46.0	11.0	N	GND
4.536000	33.80	10.0	46.0	12.1	N	GND
4.638000	34.20	10.0	46.0	11.7	L1	GND
4.734000	32.80	10.0	46.0	13.1	N	GND
4.932000	31.10	10.0	46.0	14.8	N	GND

Radiated emission according to:

to EN55022 class B

EUT: Sheffield, Scenic 620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: ScrH, 1024x768/100 Hz , Monitor MCM 1703
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: A. Siebenhütter
Configuration: full configuration
Comment: D1132-A10; ASTEC E425-V30; MATROX G100 AGP
Start of Test: 19.01.99 / 07:11:00

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

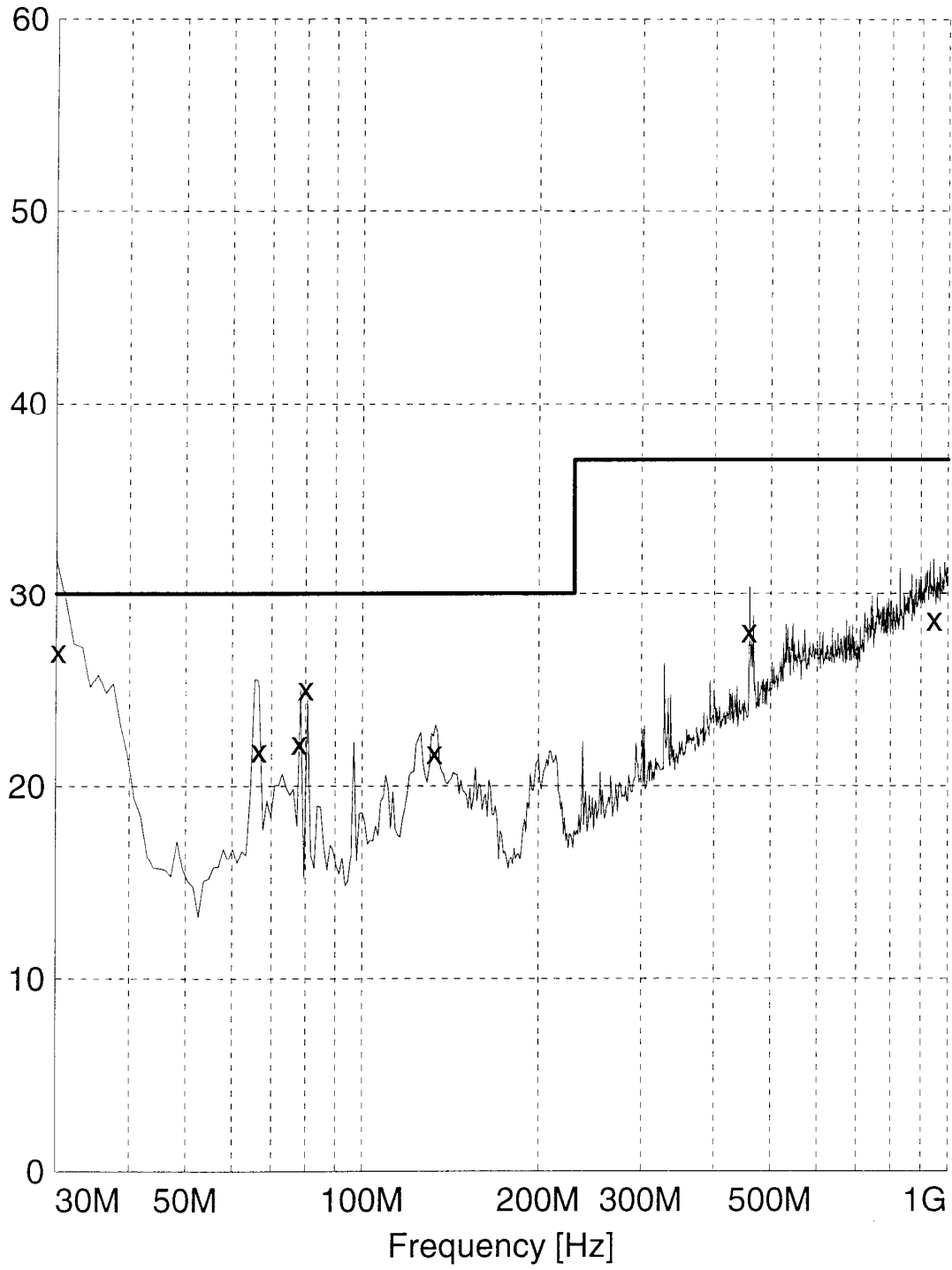
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

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"

19.01.99 08:09

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.210000	27.10	18.2	30.0	2.9	100.0	300.00	VERTICAL
66.600000	21.90	7.0	30.0	8.0	340.0	59.00	VERTICAL
77.970000	22.30	7.9	30.0	7.6	160.0	270.00	VERTICAL
80.010000	25.10	8.0	30.0	4.8	160.0	119.00	VERTICAL
132.930000	21.80	12.6	30.0	8.1	100.0	300.00	VERTICAL
459.270000	28.10	19.1	37.0	8.8	400.0	150.00	VERTICAL
947.160000	28.70	24.1	37.0	8.2	400.0	59.00	HORIZONTAL

**Radiated emission according to:
to EN55022 class B**

EUT: Sheffield, Scenic 620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: ScrH, 1600 x 1200 / 75 Hz , Monitor MCM 2110
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: H. Zenkner
Configuration: full configuration
Comment: D1132-A10; ASTEC E425-V30; MATROX G100 AGP
Start of Test: 19.01.99 / 08:26:00

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

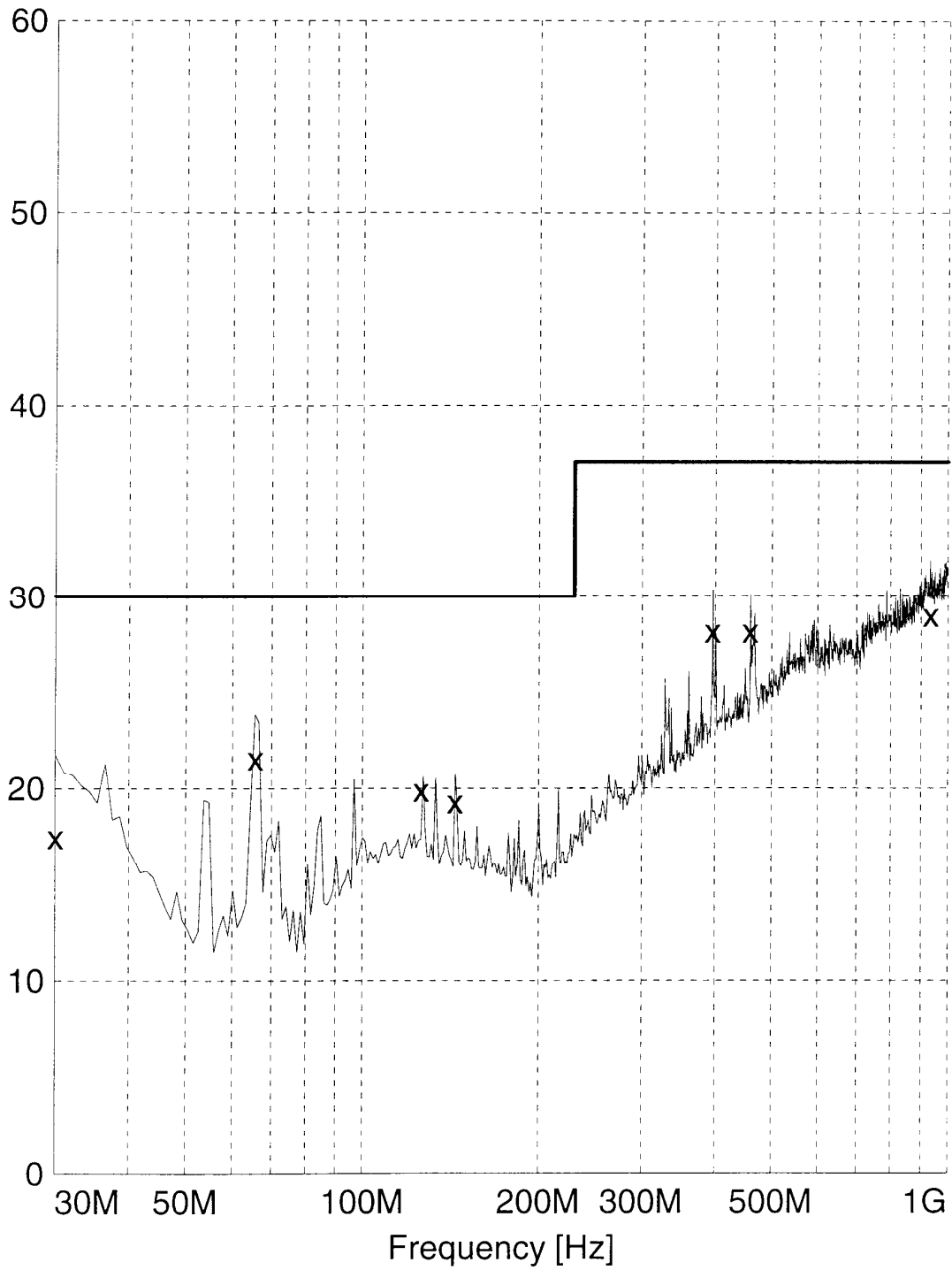
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

Receiver: ESXI Transducer: 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: Off

Level [dB μ V/m]



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

MEASUREMENT RESULT: "Quasi Peak"

19.01.99 09:20

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.030000	17.50	18.3	30.0	12.4	340.0	0.00	VERTICAL
65.670000	21.60	6.9	30.0	8.3	340.0	29.00	VERTICAL
126.000000	19.90	12.9	30.0	10.0	400.0	119.00	HORIZONTAL
144.030000	19.30	12.3	30.0	10.6	100.0	29.00	VERTICAL
395.970000	28.20	18.2	37.0	8.7	100.0	29.00	VERTICAL
459.270000	28.20	19.1	37.0	8.7	400.0	300.00	HORIZONTAL
934.800000	29.00	24.0	37.0	7.9	100.0	330.00	HORIZONTAL

Radiated emission according to:

to FCC class B

EUT: Scenic 620 Sheffield / 433MHz Cel., Matrox G100
 Manufacturer: Siemens AG
 Operating Condition: Scr."H", 1600 x 1200 / 75Hz ; HD/CD-Test
 Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
 Operator: A. Siebenhütter.
 Configuration: full configuration, Monitor MCM 1705
 Comment: PSU: Astec: E425-V30
 Start of Test: 08.02.99 / 07:54:42

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:

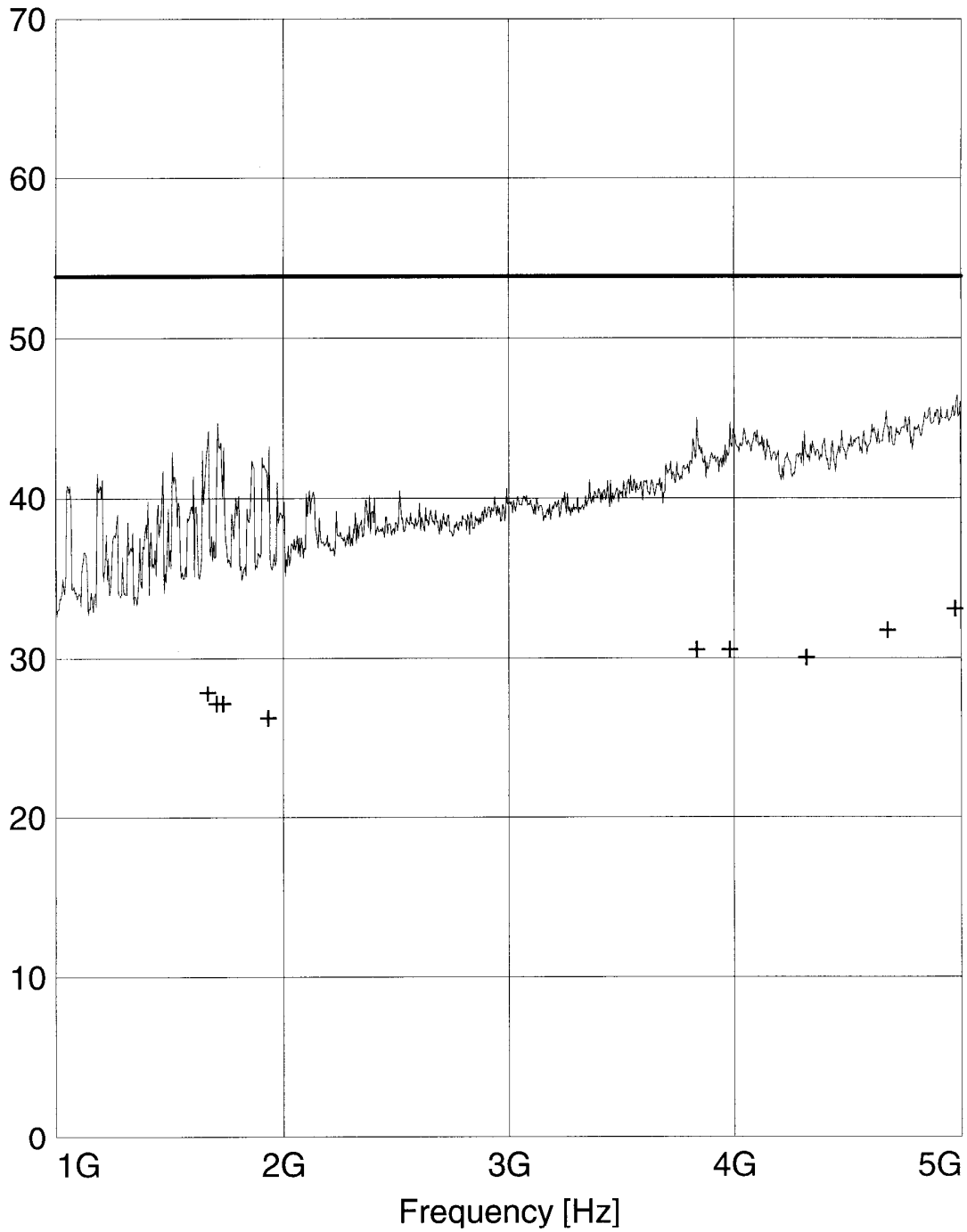
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
 Stop Frequency: 5.0 GHz
 Measure Time: 10.0 ms
 IF Bandwidth: 1 MHz

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 Averagel
— 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: "Average1"

08.02.99 08:40

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1667.200000	28.00	10.4	53.9	25.8	100.0	330.00	VERTICAL
1705.900000	27.30	11.0	53.9	26.5	140.0	0.00	VERTICAL
1734.100000	27.30	11.4	53.9	26.5	140.0	29.00	HORIZONTAL
1934.200000	26.40	10.9	53.9	27.4	100.0	29.00	VERTICAL
3834.700000	30.70	17.5	53.9	23.1	220.0	29.00	HORIZONTAL
3981.700000	30.70	18.3	53.9	23.1	100.0	29.00	VERTICAL
4320.100000	30.20	16.5	53.9	23.6	220.0	270.00	HORIZONTAL
4677.700000	31.90	18.0	53.9	21.9	100.0	330.00	VERTICAL
4973.500000	33.20	19.6	53.9	20.6	100.0	29.00	VERTICAL

Radiated emission according to:

to EN55022 class B

EUT: Sheffield, Scenic 620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: ScrH, 1024 x 768/100Hz , Monitor MCM 1705
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: A. Siebenhütter
Configuration: full configuration
Comment: D1132-A10; Minebea E425-V20; MATROX G100 AGP
Start of Test: 19.01.99 / 18:53:13

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

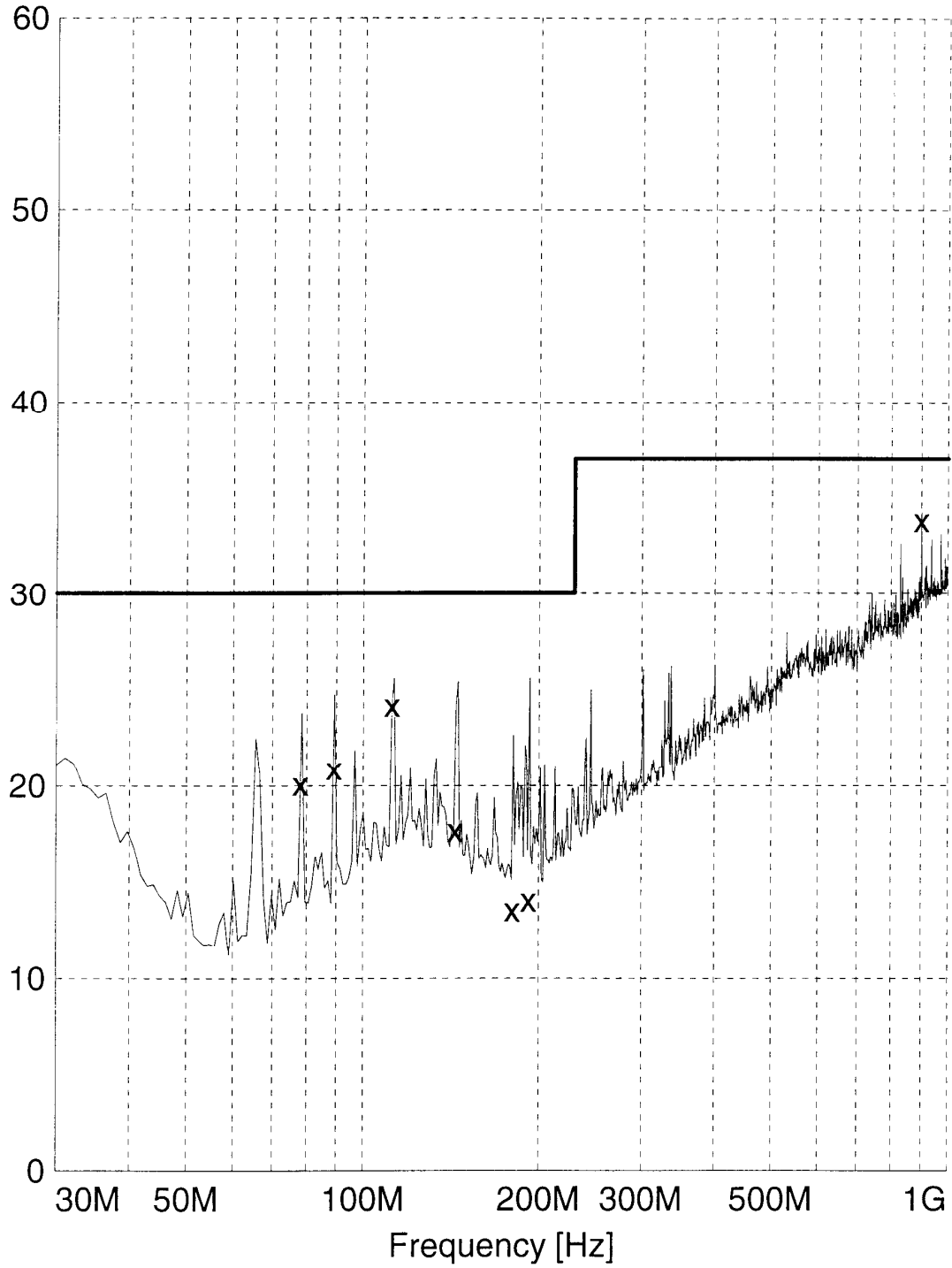
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

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"

19.01.99 19:46

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Height cm	Azimuth deg	Polarisation
77.970000	20.10	7.9	30.0	9.8	340.0	330.00	VERTICAL
89.130000	20.90	10.0	30.0	9.0	100.0	0.00	VERTICAL
111.990000	24.20	12.6	30.0	5.7	220.0	90.00	VERTICAL
143.970000	17.70	12.3	30.0	12.2	220.0	180.00	VERTICAL
180.090000	13.60	10.8	30.0	16.3	160.0	210.00	VERTICAL
192.090000	14.10	10.8	30.0	15.8	100.0	119.00	VERTICAL
900.630000	33.80	23.7	37.0	3.1	160.0	180.00	VERTICAL

**Radiated emission according to:
to EN55022 class B**

EUT: Sheffield, Scenic 620 Celeron 433 MHz
Manufacturer: Siemens AG
Operating Condition: ScrH, 1600x1200/75 Hz , Monitor MCM 2110
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: M. Heuser
Configuration: full configuration
Comment: D1132-A10; Minebea E425-V20; MATROX G100 AGP
Start of Test: 19.01.99 / 17:42:49

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

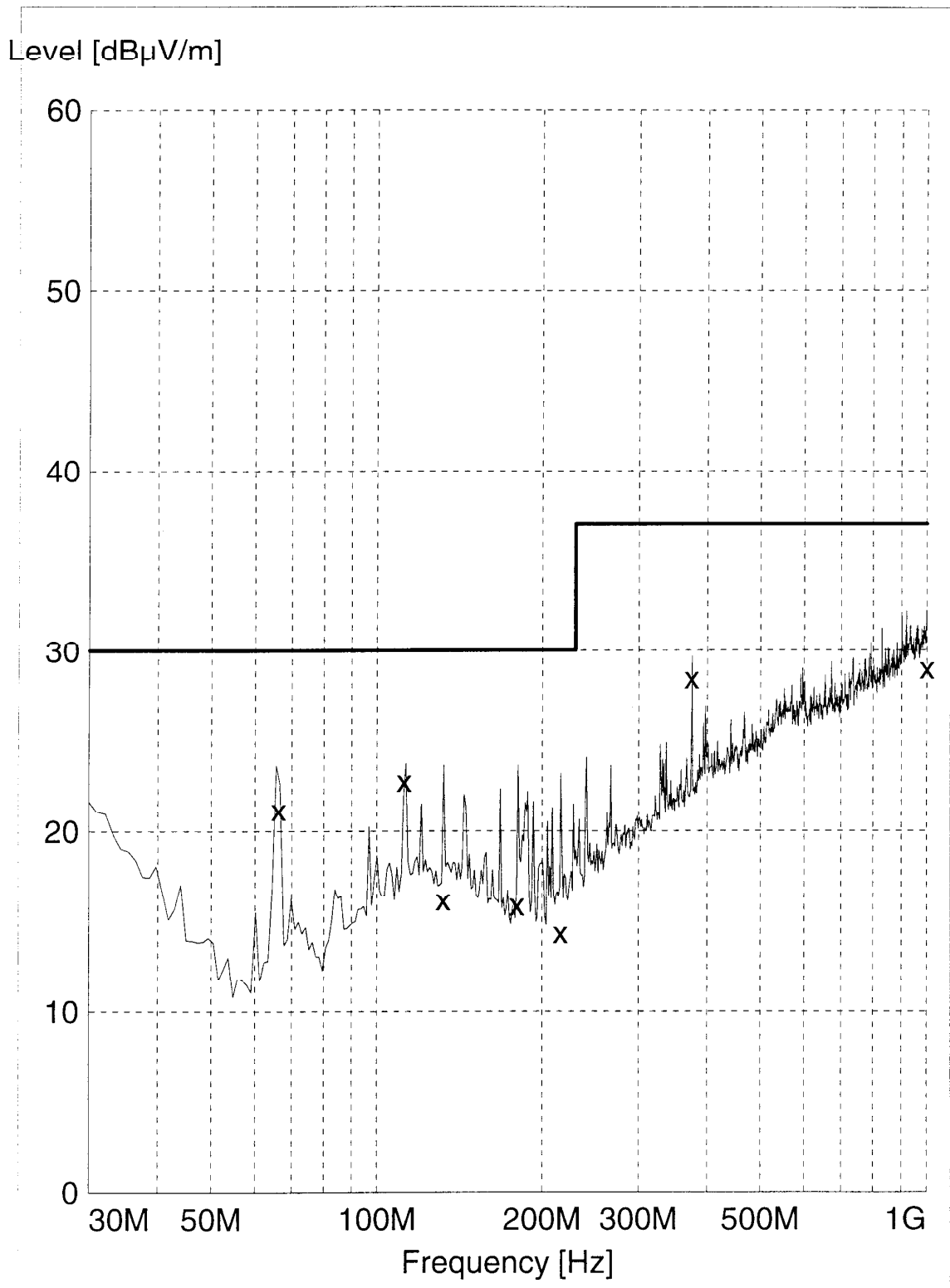
Subrange 1:

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: 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:



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

MEASUREMENT RESULT: "Quasi Peak"

19.01.99 18:39

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Height cm	Azimuth deg	Polarisation
66.180000	21.20	7.0	30.0	8.7	340.0	29.00	VERTICAL
112.020000	22.80	12.6	30.0	7.1	220.0	119.00	VERTICAL
132.060000	16.20	12.7	30.0	13.7	100.0	180.00	VERTICAL
180.060000	15.90	10.8	30.0	14.0	100.0	119.00	VERTICAL
215.970000	14.40	11.8	30.0	15.5	280.0	29.00	HORIZONTAL
374.820000	28.50	17.5	37.0	8.4	280.0	0.00	HORIZONTAL
999.840000	29.00	24.8	37.0	7.9	100.0	330.00	HORIZONTAL

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

EUT: Scenic 620 Sheffield / 433MHz Cel., Matrox G100
Manufacturer: Siemens AG
Operating Condition: Scr."H", 1024 x 768 / 100Hz ; HD/CD-Test
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator: A. Siebenhütter
Configuration: full configuration, Monitor MCM 1705
Comment: PSU: Minebea: E425-V20
Start of Test: 05.02.99 / 16:08:00

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:

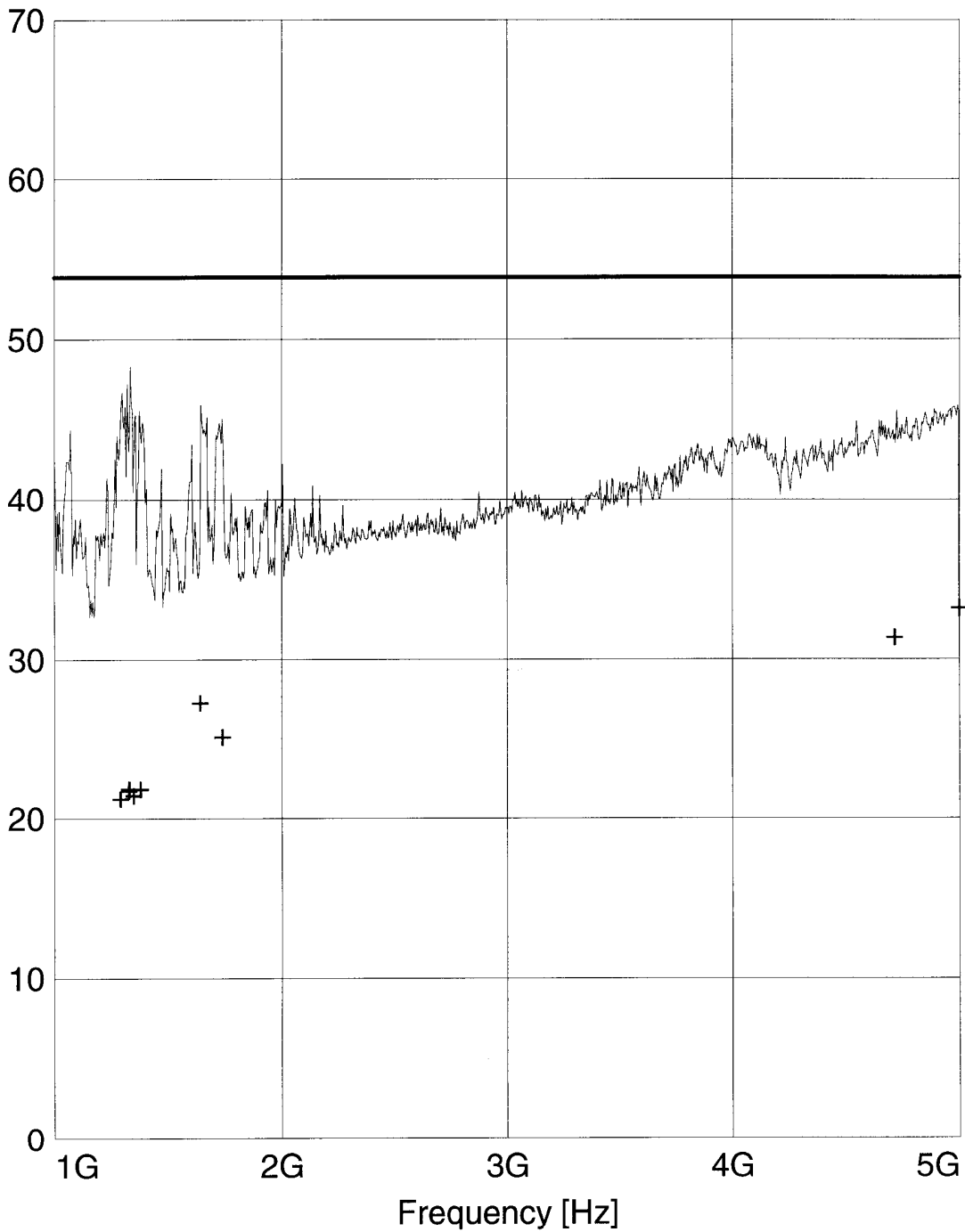
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
Stop Frequency: 5.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 1 MHz

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 Averagel
— 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: "Average1"

05.02.99 16:55

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1290.100000	21.40	9.0	53.9	32.4	260.0	29.00	HORIZONTAL
1327.300000	21.90	9.1	53.9	31.9	140.0	150.00	HORIZONTAL
1328.800000	22.00	9.1	53.9	31.8	180.0	180.00	HORIZONTAL
1348.600000	21.60	9.2	53.9	32.2	140.0	150.00	HORIZONTAL
1378.000000	22.00	9.0	53.9	31.8	180.0	180.00	HORIZONTAL
1640.500000	27.40	10.0	53.9	26.4	140.0	0.00	VERTICAL
1738.600000	25.30	11.3	53.9	28.5	140.0	0.00	HORIZONTAL
4715.800000	31.50	18.3	53.9	22.3	180.0	0.00	VERTICAL
4999.900000	33.30	19.7	53.9	20.5	300.0	210.00	VERTICAL