

**Conducted noise according to:**

**EN 55022 class B**

EUT: PC Sheffield, Scenic650 PII 500 MHz  
Manufacturer: Siemens AG  
Operating Condition: scr. "H" 1024\*768/100Hz; HD+CD+LAN-Test  
Test Site: Siemens AG Augsburg SK1  
Operator: H. Zenkner  
Comment: full config.; Monitor MCM1707 power supply from PC  
Comment: Power supply: Astec E425-V30  
Start of Test: 22.12.98 / 08:13:59

**SCAN TABLE: "Volt\_015-30MHZ"**

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold  
Curve 2: Average MaxHold

Subrange 1:

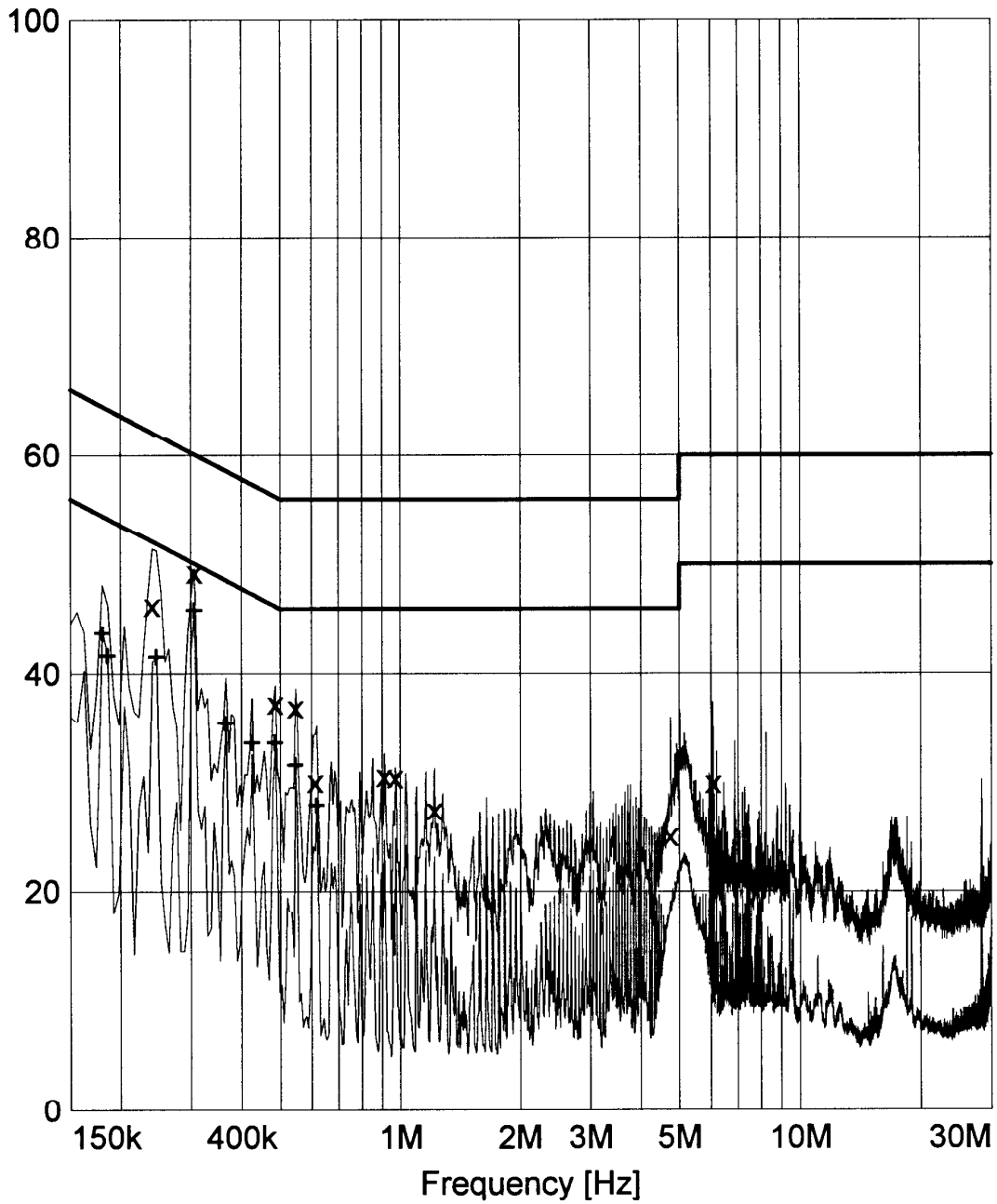
Start Frequency: 150.0 kHz Step Size: 6.0 kHz  
Stop Frequency: 30.0 MHz  
Measure Time: 10.0 ms  
IF Bandwidth: 10 kHz

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 $\mu$ 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 08:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.240000	46.30	10.0	62.0	15.7	N	GND
0.306000	49.30	10.0	60.0	10.7	L1	GND
0.486000	37.30	10.0	56.2	18.8	L1	GND
0.546000	36.90	10.0	56.0	19.0	L1	GND
0.612000	30.10	10.0	56.0	25.8	L1	GND
0.912000	30.60	10.0	56.0	25.4	N	GND
0.972000	30.50	10.0	56.0	25.4	L1	GND
1.218000	27.50	10.0	56.0	28.4	L1	GND
4.740000	25.10	10.0	56.0	30.8	N	GND
6.072000	30.00	10.0	60.0	29.9	L1	GND

**MEASUREMENT RESULT: "Average"**

22.12.98 08:24

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.180000	43.70	10.0	54.4	10.7	L1	GND
0.186000	41.60	10.0	54.2	12.5	L1	GND
0.246000	41.50	10.0	51.8	10.3	L1	GND
0.306000	45.90	10.0	50.0	4.1	L1	GND
0.366000	35.40	10.0	48.5	13.1	L1	GND
0.426000	33.60	10.0	47.3	13.7	L1	GND
0.486000	33.60	10.0	46.2	12.6	L1	GND
0.546000	31.60	10.0	46.0	14.3	L1	GND
0.618000	27.90	10.0	46.0	18.0	L1	GND

**Conducted noise according to:**

**EN 55022 class B**

EUT: PC-Sheffield, Scenic650 FII 500 MHz  
Manufacturer: Siemens AG  
Operating Condition: scr. "H" 1600\*1200/70Hz; HD+CD+LAN-Test  
Test Site: Siemens AG Augsburg SK1  
Operator: H. Zenkner  
Comment: full config.; MonitorMCM1707 power supply from PC  
Comment: Power supply: Astec E425-V30  
Start of Test: 23.12.98 / 09:10:58

**SCAN TABLE: "Volt\_015-30MHZ"**

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold  
Curve 2: Average MaxHold

Subrange 1:

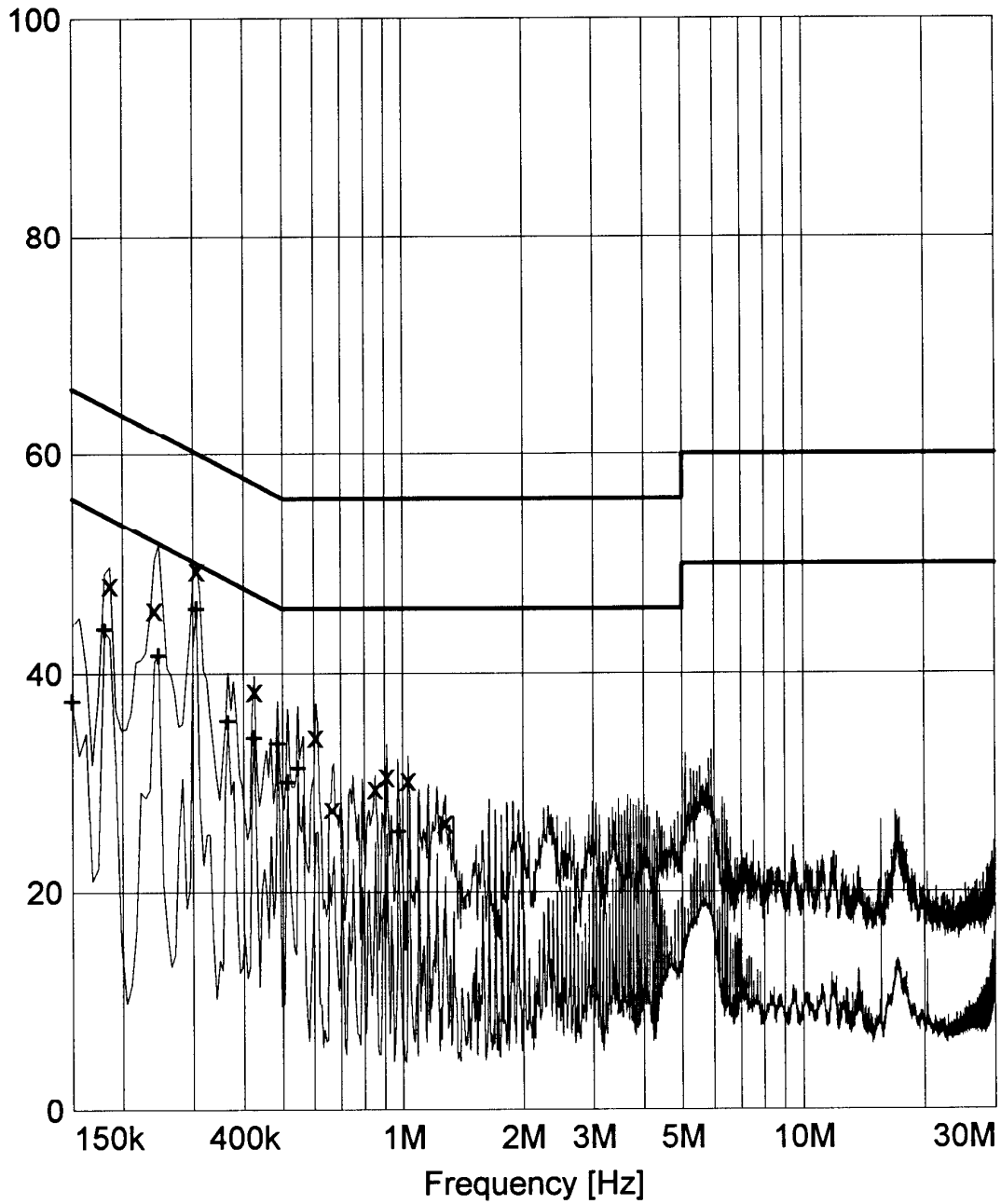
Start Frequency: 150.0 kHz Step Size: 6.0 kHz  
Stop Frequency: 30.0 MHz  
Measure Time: 10.0 ms  
IF Bandwidth: 10 kHz

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 $\mu$ 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"**

23.12.98 09:21

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.186000	48.20	10.0	64.2	16.0	N	GND
0.240000	46.00	10.0	62.0	16.0	N	GND
0.306000	49.50	10.0	60.0	10.5	N	GND
0.426000	38.40	10.0	57.3	18.9	N	GND
0.606000	34.10	10.0	56.0	21.8	L1	GND
0.666000	27.60	10.0	56.0	28.3	L1	GND
0.852000	29.50	10.0	56.0	26.4	N	GND
0.912000	30.60	10.0	56.0	25.3	L1	GND
1.032000	30.20	10.0	56.0	25.7	L1	GND
1.278000	26.30	10.0	56.0	29.6	L1	GND

**MEASUREMENT RESULT: "Average"**

23.12.98 09:21

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.150000	37.40	10.0	56.0	18.5	N	GND
0.180000	44.00	10.0	54.4	10.4	N	GND
0.246000	41.60	10.0	51.8	10.2	L1	GND
0.306000	46.00	10.0	50.0	4.0	N	GND
0.366000	35.50	10.0	48.5	13.0	L1	GND
0.426000	34.00	10.0	47.3	13.2	L1	GND
0.486000	33.50	10.0	46.2	12.6	N	GND
0.516000	30.00	10.0	46.0	16.0	L1	GND
0.546000	31.20	10.0	46.0	14.7	L1	GND
0.972000	25.40	10.0	46.0	20.5	L1	GND

**Conducted noise according to:**

**EN 55022 class B**

EUT: PC Sheffield, Scenic650 PII 500 Mhz  
Manufacturer: Siemens AG  
Operating Condition: scr. "H" 1024\*768/100Hz; HD+CD+LAN-Test  
Test Site: Siemens AG Augsburg SK1  
Operator: H. Zenkner  
Comment: full config.; Monitor MCM1707 power supply from PC  
Comment: Power supply: Minebea E425-V20  
Start of Test: 21.12.98 / 16:08:15

**SCAN TABLE: "Volt\_015-30MHZ"**

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold  
Curve 2: Average MaxHold

Subrange 1:

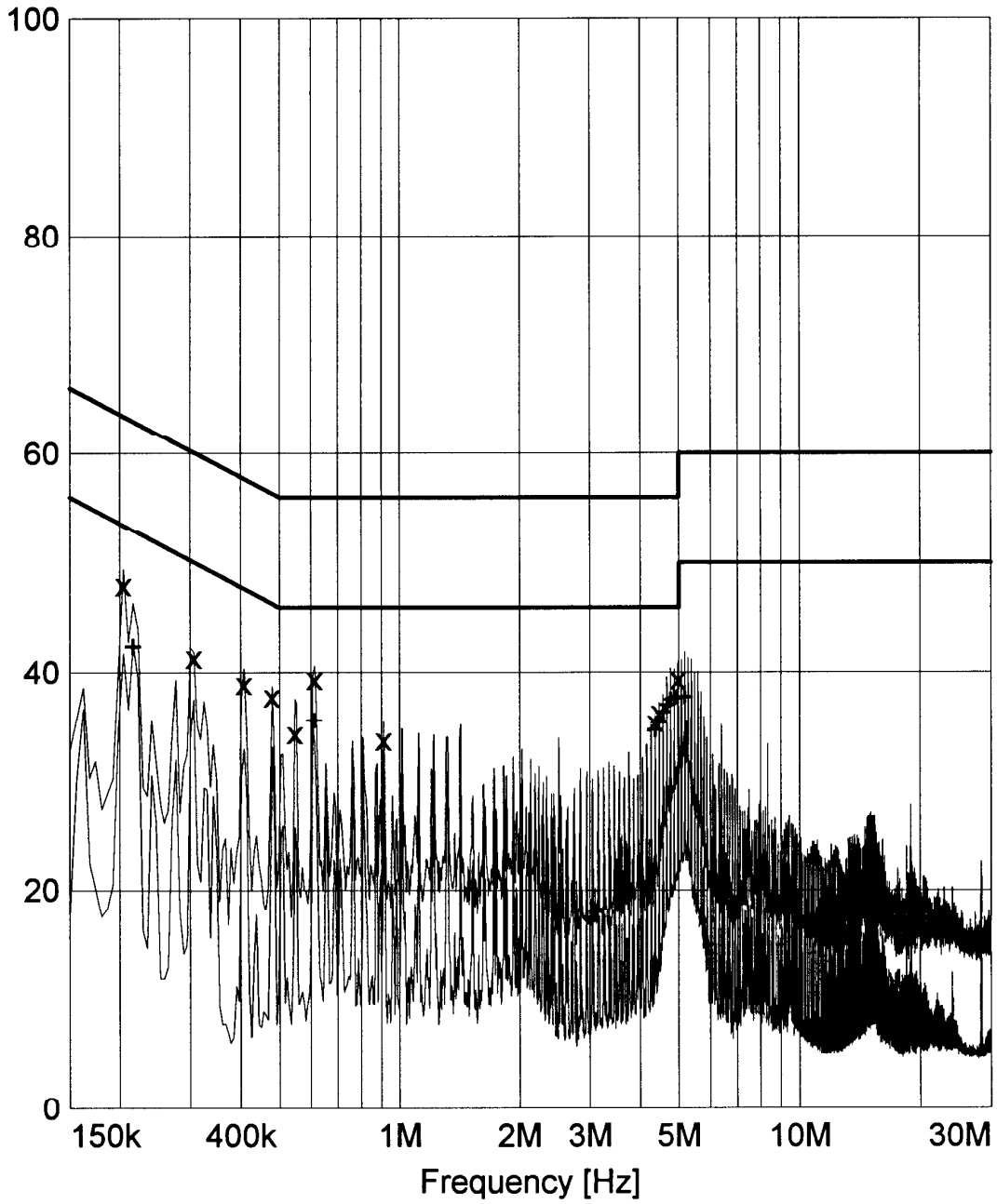
Start Frequency: 150.0 kHz Step Size: 6.0 kHz  
Stop Frequency: 30.0 MHz  
Measure Time: 10.0 ms  
IF Bandwidth: 10 kHz

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 $\mu$ 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"**

21.12.98 16:18

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.204000	48.00	10.0	63.4	15.4	L1	GND
0.306000	41.40	10.0	60.0	18.6	N	GND
0.408000	38.90	10.0	57.6	18.7	N	GND
0.480000	37.80	10.0	56.3	18.4	L1	GND
0.546000	34.30	10.0	56.0	21.6	L1	GND
0.612000	39.40	10.0	56.0	16.5	N	GND
0.912000	33.70	10.0	56.0	22.2	N	GND
4.368000	35.40	10.0	56.0	20.5	N	GND
4.470000	36.30	10.0	56.0	19.6	N	GND
4.980000	39.40	10.0	56.0	16.6	L1	GND

**MEASUREMENT RESULT: "Average"**

21.12.98 16:18

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.216000	42.30	10.0	52.9	10.6	L1	GND
0.612000	35.50	10.0	46.0	10.4	N	GND
4.368000	34.60	10.0	46.0	11.3	L1	GND
4.470000	35.30	10.0	46.0	10.6	L1	GND
4.572000	36.30	10.0	46.0	9.6	L1	GND
4.674000	36.90	10.0	46.0	9.0	L1	GND
4.776000	37.40	10.0	46.0	8.5	L1	GND
4.878000	37.60	10.0	46.0	8.3	L1	GND
4.980000	37.70	10.0	46.0	8.2	L1	GND
5.184000	37.70	10.0	50.0	12.2	L1	GND

**Conducted noise according to:**

**EN 55022 class B**

EUT: PC-Sheffield, scenic650 FII 500 MHz  
Manufacturer: Siemens AG  
Operating Condition: scr. "H" 1600\*1200/70Hz; HD+CD+LAN-Test  
Test Site: Siemens AG Augsburg SK1  
Operator: H. Zenkner  
Comment: full config.; MonitorMCM1707 power supply from PC  
Comment: Power supply: Minebea E425-V20  
Start of Test: 23.12.98 / 09:59:55

**SCAN TABLE: "Volt\_015-30MHZ"**

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold  
Curve 2: Average MaxHold

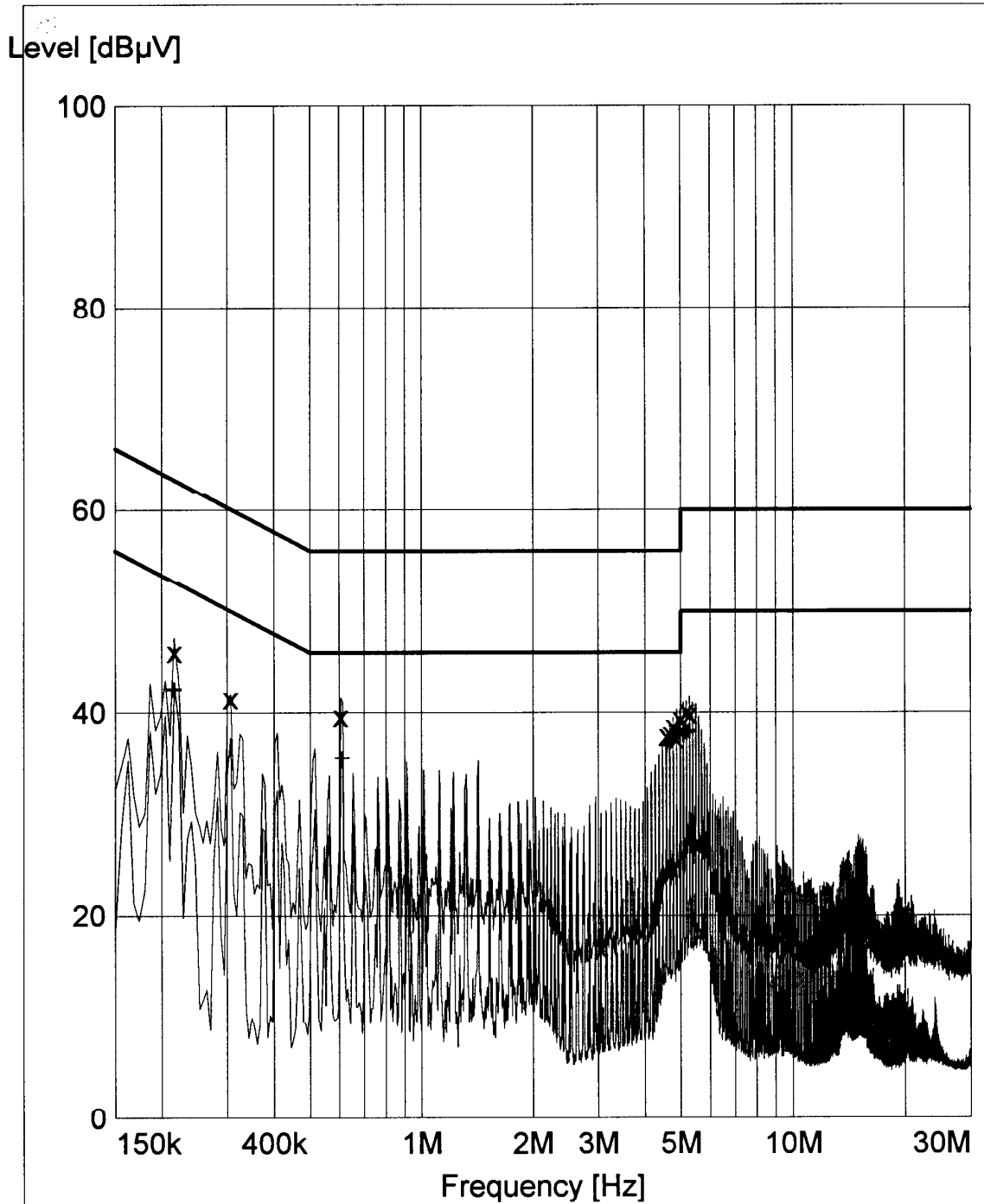
Subrange 1:

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



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"**

23.12.98 10:10

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.216000	46.10	10.0	62.9	16.8	L1	GND
0.306000	41.40	10.0	60.0	18.6	L1	GND
0.606000	39.60	10.0	56.0	16.3	L1	GND
4.572000	37.80	10.0	56.0	18.1	L1	GND
4.674000	38.00	10.0	56.0	17.9	L1	GND
4.776000	38.70	10.0	56.0	17.2	L1	GND
4.872000	37.50	10.0	56.0	18.4	N	GND
4.980000	39.40	10.0	56.0	16.6	L1	GND
5.184000	40.10	10.0	60.0	19.8	N	GND
5.286000	39.90	10.0	60.0	20.0	N	GND

**MEASUREMENT RESULT: "Average"**

23.12.98 10:10

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.216000	42.20	10.0	52.9	10.6	L1	GND
0.612000	35.50	10.0	46.0	10.4	N	GND
4.572000	36.80	10.0	46.0	9.1	L1	GND
4.674000	37.10	10.0	46.0	8.8	L1	GND
4.776000	37.60	10.0	46.0	8.3	N	GND
4.878000	37.90	10.0	46.0	8.0	L1	GND
4.980000	38.30	10.0	46.0	7.6	L1	GND
5.082000	37.80	10.0	50.0	12.1	N	GND
5.184000	38.10	10.0	50.0	11.8	L1	GND
5.280000	38.20	10.0	50.0	11.7	L1	GND

**Radiated emission according to:**

**to EN55022 class B**

EUT: Scenic 650 Sheffield / 500MHz, Matrox C100  
Manufacturer: Siemens AG  
Operating Condition: Scr."H", 1024 x 768 / 100 Hz ; HD/CD-Test  
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)  
Operator: H. Zenkner  
Configuration: full configuration, Monitor MCM 1705  
Comment: PSU: Astec  
Start of Test: 20.01.99 / 10:41:40

**SCAN TABLE: "10m/30-1000"**

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

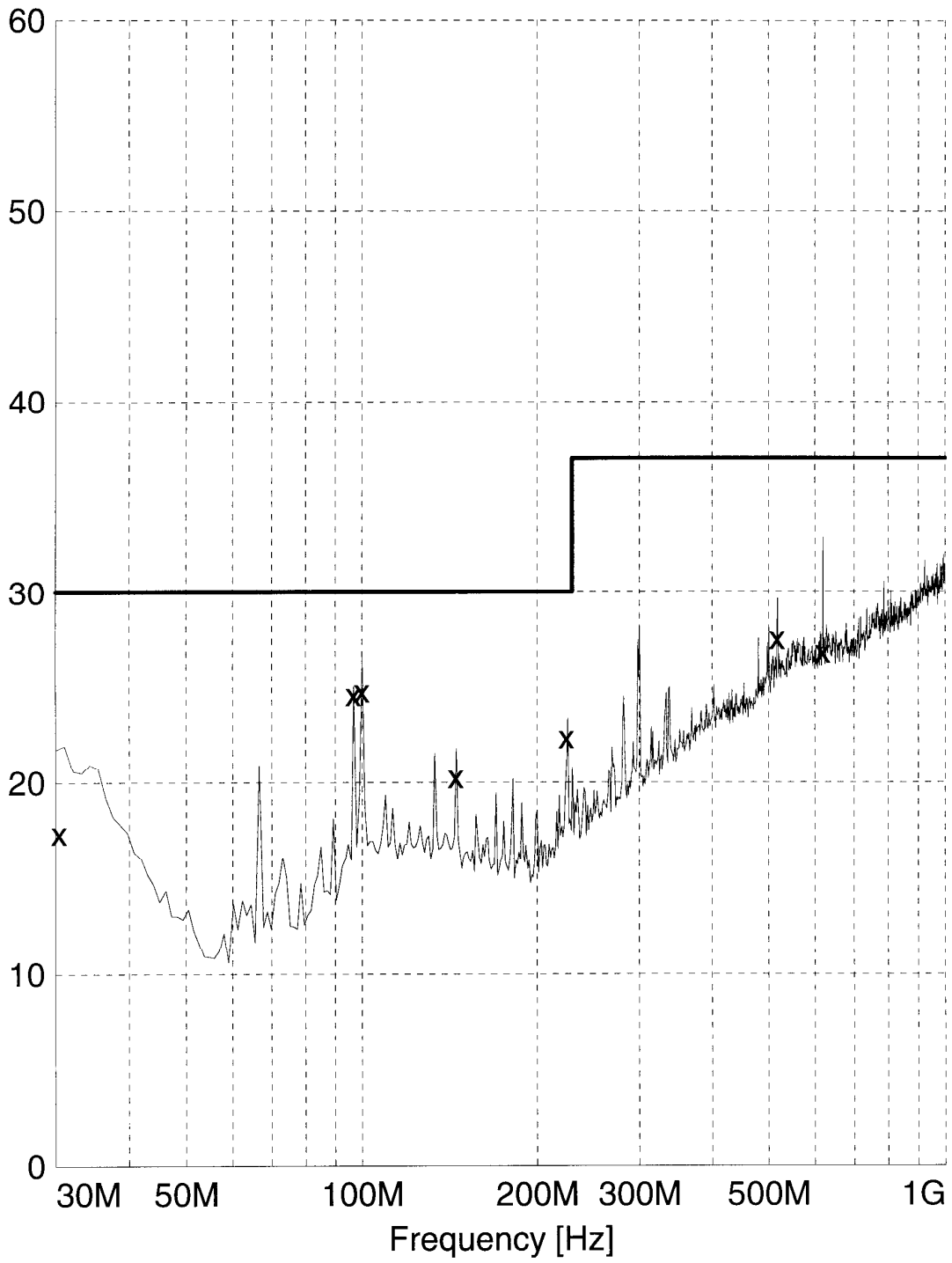
Start Frequency: 30.0 MHz Step Size: 30.0 kHz  
Stop Frequency: 1.0 GHz  
Measure Time: 10.0 ms  
IF Bandwidth: 120 kHz

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 $\mu$ V/m]



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

**MEASUREMENT RESULT: "Quasi Peak"**

20.01.99 12:16

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.420000	17.40	18.1	30.0	12.5	160.0	59.00	VERTICAL
96.690000	24.60	11.4	30.0	5.3	340.0	90.00	HORIZONTAL
100.020000	24.80	12.0	30.0	5.1	100.0	119.00	VERTICAL
145.020000	20.30	12.2	30.0	9.6	100.0	150.00	VERTICAL
225.000000	22.40	12.4	30.0	7.5	400.0	270.00	HORIZONTAL
516.990000	27.60	20.2	37.0	9.4	340.0	29.00	VERTICAL
618.840000	26.90	21.4	37.0	10.1	340.0	29.00	HORIZONTAL

**Radiated emission according to:**

**to EN55022 class B**

EUT: Scenic 650 Sheffield / 500MHz, Matrox C100  
Manufacturer: Siemens AG  
Operating Condition: Scr."H", 1600 x 1200 / 70 Hz ; HD/CD-Test  
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)  
Operator: H. Zenkner  
Configuration: full configuration, Monitor MCM 2110  
Comment: PSU: ASTEC  
Start of Test: 20.01.99 / 12:54:42

**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

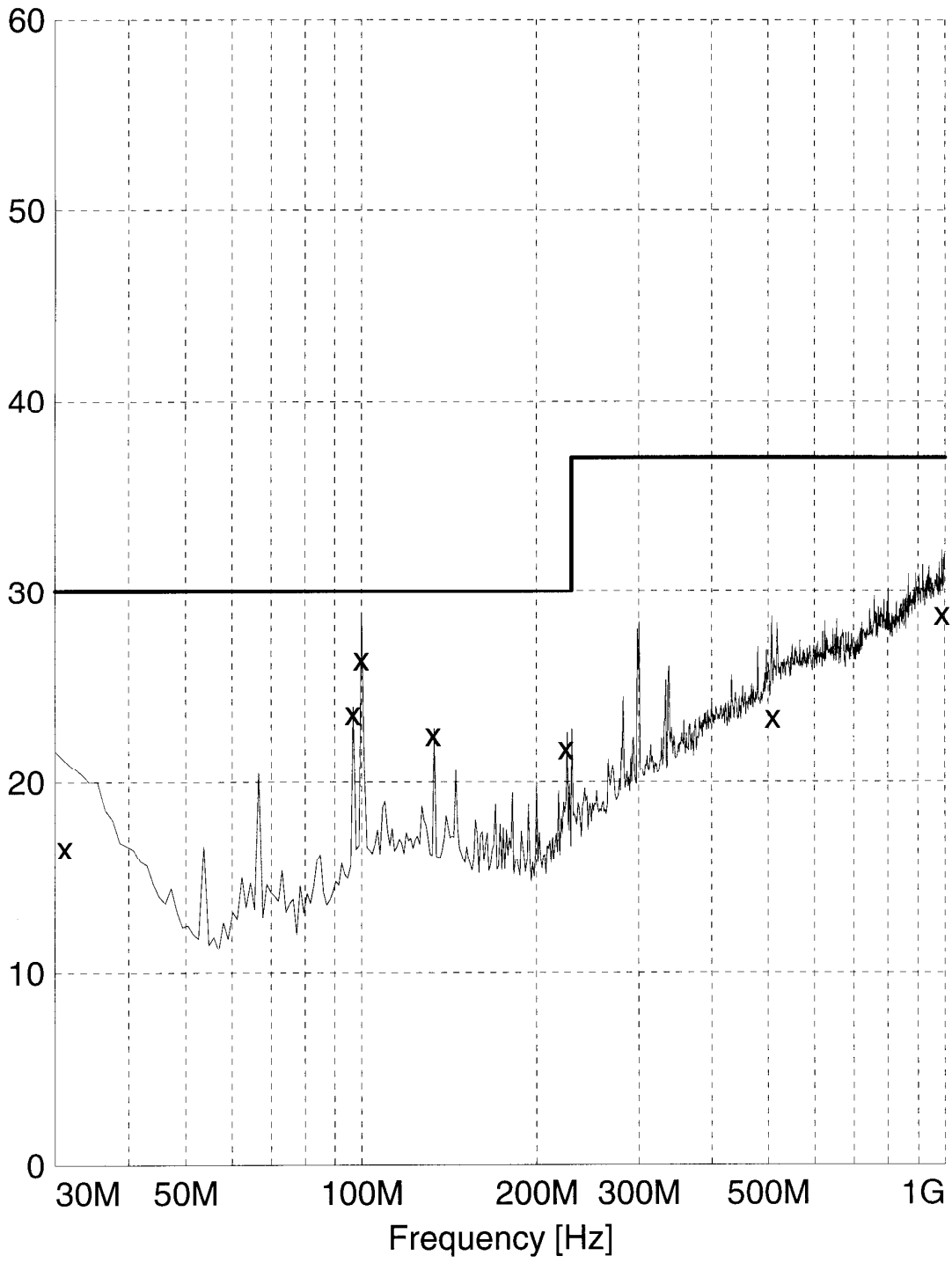
Receiver: ESXI Transducer: CBL6112 cal. 9/95  
Signal Path: 2DC-CP1X1 System Transducer: RFin2-CP1/X1  
Meas. Mode: Lin Add. Transd. 1: cable30-1000  
Tracking Gen.: Off Add. Transd. 2: None  
Input: 2DC Add. Transd. 3: None

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:



Level [dB $\mu$ V/m]



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

**MEASUREMENT RESULT: "Quasi Peak"**

20.01.99 13:48

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
31.140000	16.60	17.7	30.0	13.3	400.0	180.00	VERTICAL
96.660000	23.60	11.4	30.0	6.3	280.0	59.00	HORIZONTAL
99.990000	26.50	12.0	30.0	3.4	160.0	59.00	VERTICAL
132.930000	22.50	12.6	30.0	7.4	340.0	29.00	HORIZONTAL
225.000000	21.80	12.4	30.0	8.1	340.0	29.00	HORIZONTAL
509.130000	23.40	20.0	37.0	13.5	220.0	210.00	HORIZONTAL
988.980000	28.80	24.6	37.0	8.1	160.0	300.00	HORIZONTAL

**Radiated emission according to:**

**to FCC class B**

EUT: Scenic 650 Sheffield / 500MHz, Matrox C100  
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: ASTEC: E425-V30  
Start of Test: 05.02.99 / 14:05:05

**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:

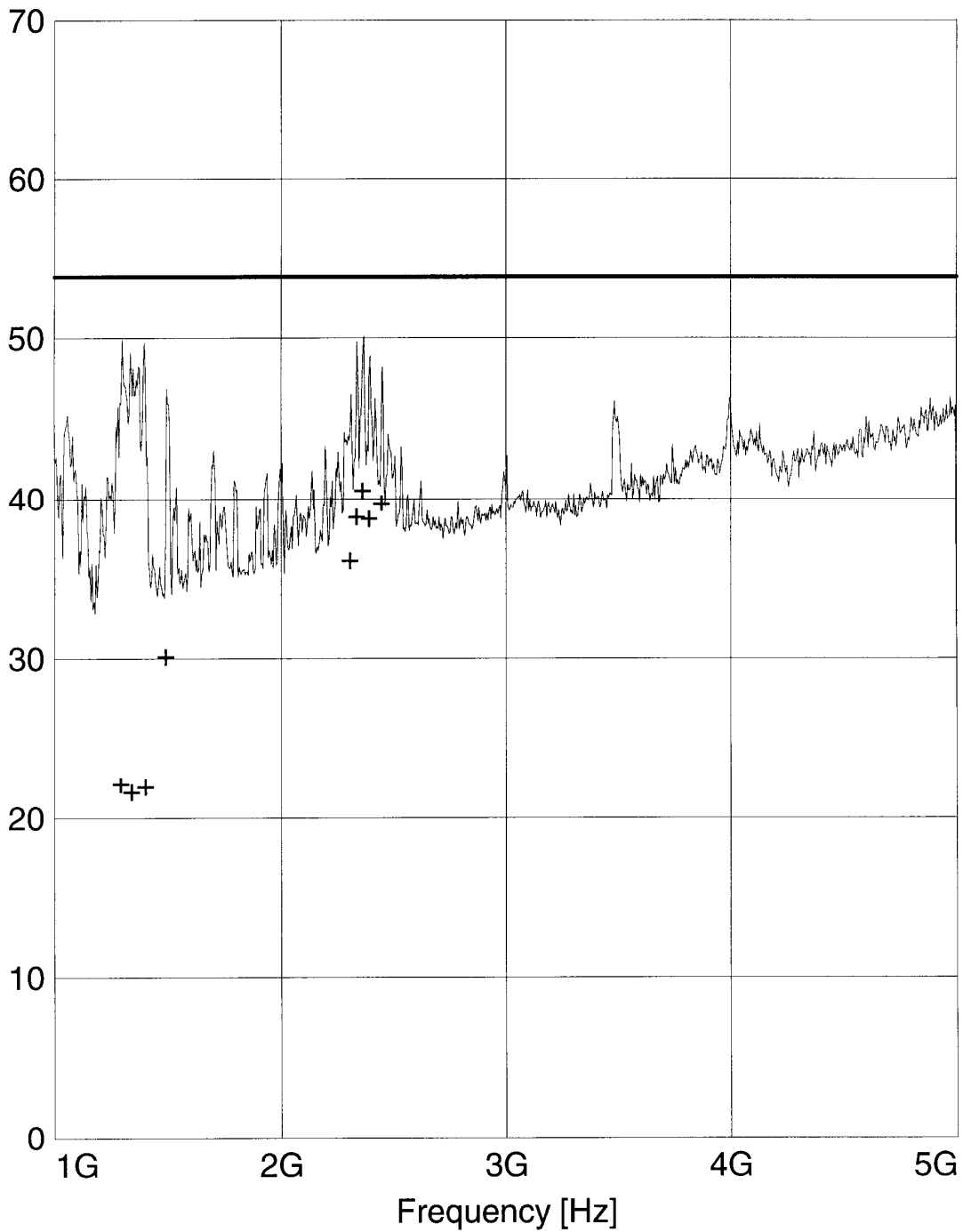
Start Frequency: 1.0 GHz Step Size: 300.0 kHz  
Stop Frequency: 5.0 GHz  
Measure Time: 10.0 ms  
IF Bandwidth: 1 MHz

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 $\mu$ 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 14:51

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarisation
1290.700000	22.30	9.0	53.9	31.5	180.0	29.00	HORIZONTAL
1339.000000	21.80	9.1	53.9	32.0	140.0	59.00	HORIZONTAL
1400.500000	22.10	9.1	53.9	31.7	140.0	239.00	HORIZONTAL
1489.600000	30.30	9.1	53.9	23.5	100.0	330.00	HORIZONTAL
2305.900000	36.30	13.0	53.9	17.5	100.0	29.00	VERTICAL
2334.100000	39.00	13.3	53.9	14.8	100.0	29.00	VERTICAL
2362.000000	40.70	13.4	53.9	13.1	140.0	29.00	VERTICAL
2390.500000	38.90	13.4	53.9	14.9	140.0	29.00	VERTICAL
2446.600000	39.90	13.6	53.9	13.9	140.0	29.00	VERTICAL

**Radiated emission according to:**

**to EN55022 class B**

EUT. Scenic 650 Sheffield / 500MHz, Matrox G100  
Manufacturer: Siemens AG  
Operating Condition: Scr."H", 1024 x 768 / 100 Hz ; HD/CD-Test  
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)  
Operator: H. Zenkner  
Configuration: full configuration, Monitor MCM 1705  
Comment: PSU: Minebea  
Start of Test: 20.01.99 / 09:20:49

**SCAN TABLE: "10m/30-1000"**

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

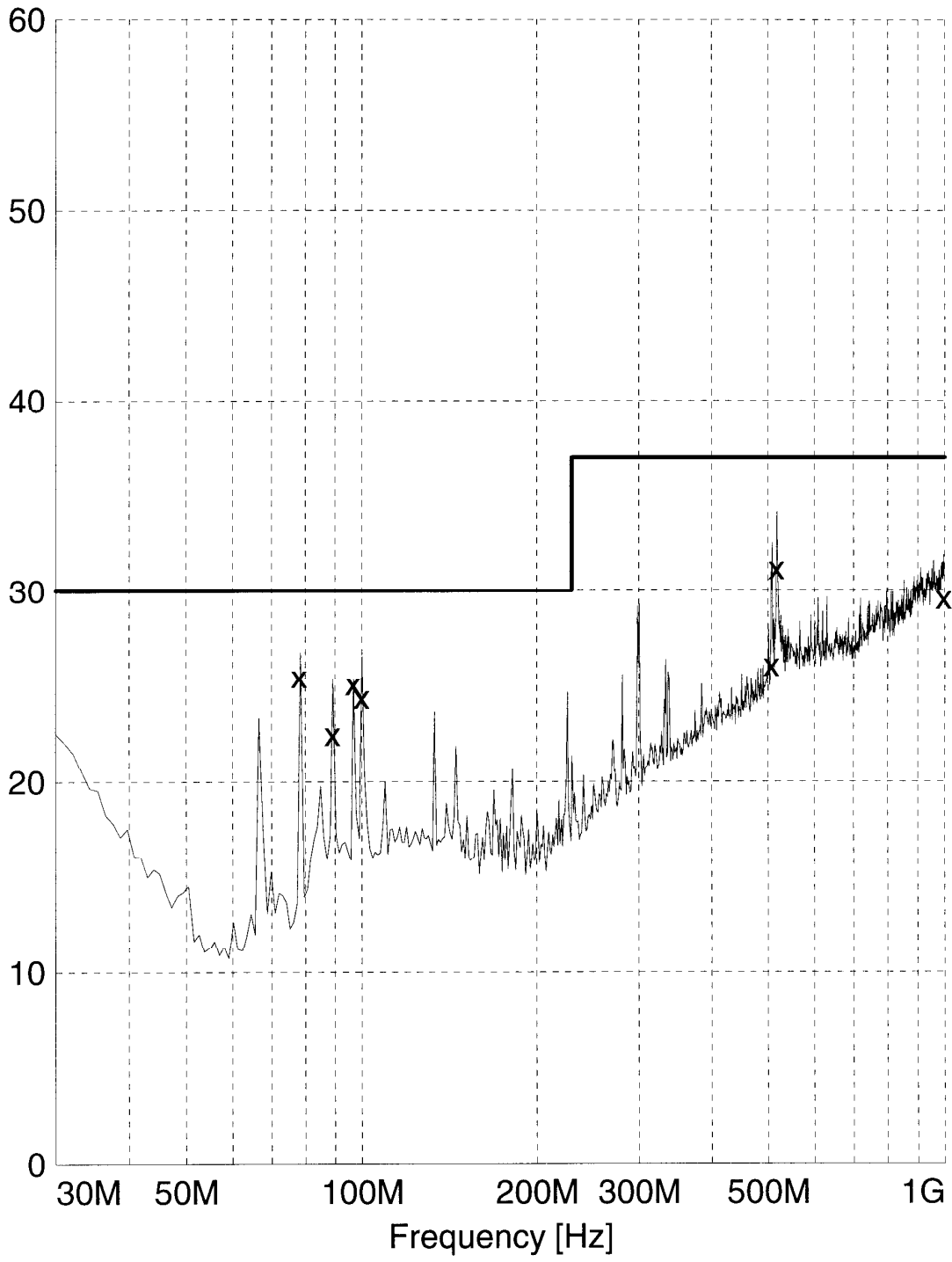
Start Frequency: 30.0 MHz Step Size: 30.0 kHz  
Stop Frequency: 1.0 GHz  
Measure Time: 10.0 ms  
IF Bandwidth: 120 kHz

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 $\mu$ V/m]



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

**MEASUREMENT RESULT: "Quasi Peak"**

20.01.99 10:29

Frequency MHz	Level dD $\mu$ V/m	Transd dD	Limit dD $\mu$ V/m	Margin dD	Height cm	Azimuth deg	Polarisation
77.970000	25.50	7.9	30.0	4.4	100.0	210.00	VERTICAL
89.130000	22.50	10.0	30.0	7.5	160.0	180.00	VERTICAL
96.660000	25.10	11.4	30.0	4.8	400.0	90.00	HORIZONTAL
100.020000	24.40	12.0	30.0	5.5	160.0	59.00	VERTICAL
506.970000	26.10	19.9	37.0	10.8	280.0	0.00	VERTICAL
517.410000	31.20	20.2	37.0	5.7	400.0	29.00	VERTICAL
996.540000	29.60	24.8	37.0	7.3	400.0	210.00	HORIZONTAL



**Radiated emission according to:**

**to EN55022 class B**

EUT. Scenic 650 Sheffield / 500MHz, Matrox G100  
Manufacturer: Siemens AG  
Operating Condition: Scr."H", 1600 x 1200 / 70 Hz ; HD/CD-Test  
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)  
Operator: H. Zenkner  
Configuration: full configuration, Monitor MCM 2110  
Comment: PSU: Minebea  
Start of Test: 20.01.99 / 07:45:22

**SCAN TABLE: "10m/30-1000"**

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

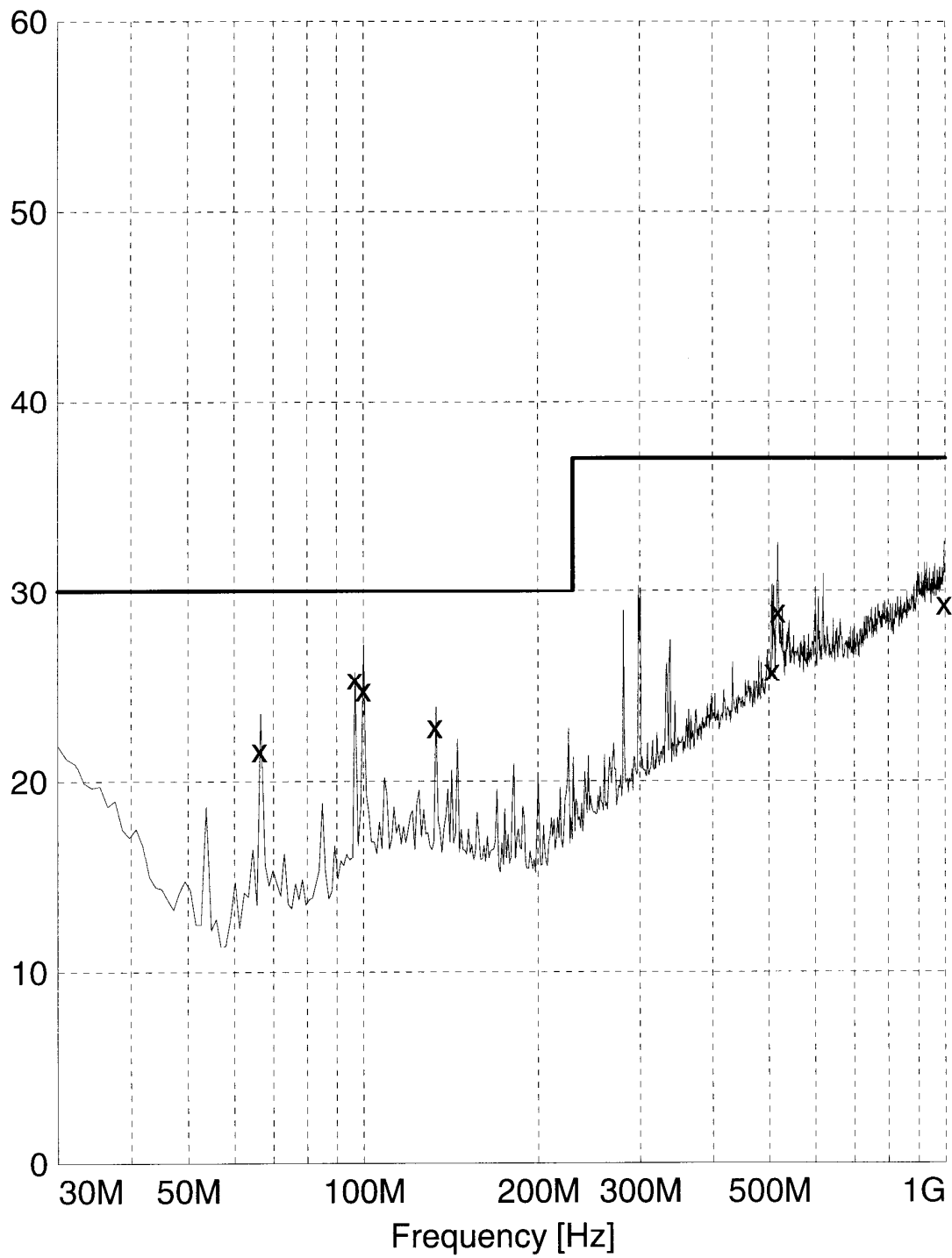
Start Frequency: 30.0 MHz Step Size: 30.0 kHz  
Stop Frequency: 1.0 GHz  
Measure Time: 10.0 ms  
IF Bandwidth: 120 kHz

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 $\mu$ V/m]



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

**MEASUREMENT RESULT: "Quasi Peak"**

20.01.99 09:14

Frequency MHz	Level dD $\mu$ V/m	Transd dD	Limit dD $\mu$ V/m	Margin dD	Height cm	Azimuth deg	Polarisation
66.270000	21.70	7.0	30.0	8.2	400.0	210.00	VERTICAL
96.660000	25.40	11.4	30.0	4.5	400.0	59.00	HORIZONTAL
99.990000	24.80	12.0	30.0	5.1	220.0	119.00	VERTICAL
132.900000	22.90	12.6	30.0	7.0	100.0	119.00	VERTICAL
506.220000	25.80	19.9	37.0	11.1	220.0	59.00	HORIZONTAL
517.650000	28.90	20.2	37.0	8.0	220.0	29.00	HORIZONTAL
995.880000	29.30	24.8	37.0	7.6	280.0	150.00	VERTICAL

**Radiated emission according to:**

**to FCC class B**

EUT: Scenic 650 Sheffield / 500MHz, Matrox C100  
Manufacturer: Siemens AG  
Operating Condition: Scr."H", 1600 x 1200 / 70Hz ; HD/CD-Test  
Test Site: Siemens-Augsburg (Semi-anechoic chamber 10m)  
Operator: A. Siebenhütter  
Configuration: full configuration, Monitor MCM 2110  
Comment: PSU: Minebea: E425-V20  
Start of Test: 05.02.99 / 15:11:41

**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:

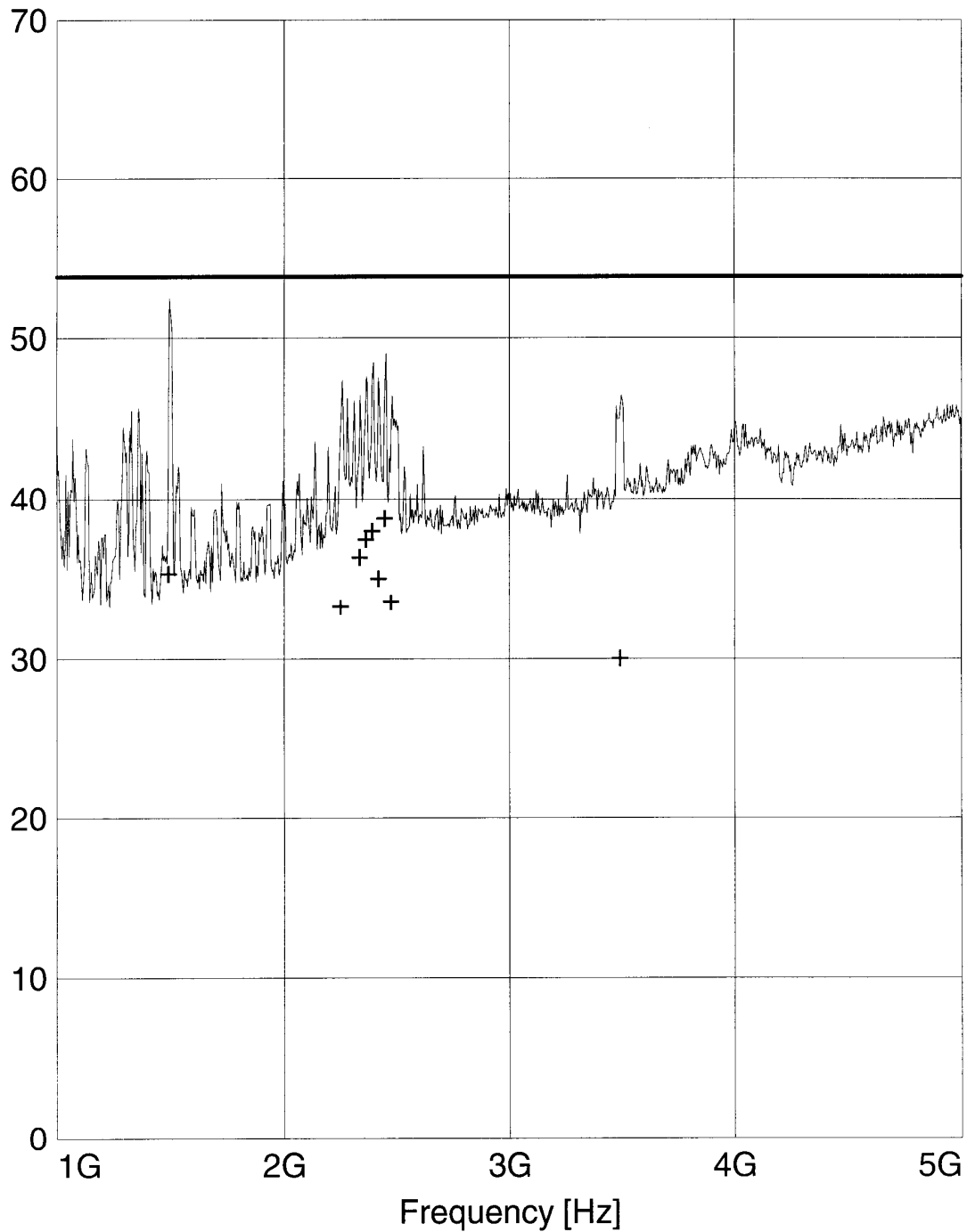
Start Frequency: 1.0 GHz Step Size: 300.0 kHz  
Stop Frequency: 5.0 GHz  
Measure Time: 10.0 ms  
IF Bandwidth: 1 MHz

Receiver: ESXI Transducer: Tensor4105v  
Signal Path: 2DC-CP7X1 System Transducer: RFin2-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 $\mu$ 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 15:54

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarisation
1489.600000	35.50	9.1	53.9	18.3	100.0	0.00	VERTICAL
2249.500000	33.40	12.5	53.9	20.4	100.0	29.00	VERTICAL
2334.100000	36.50	13.3	53.9	17.3	100.0	29.00	VERTICAL
2362.300000	37.60	13.4	53.9	16.2	100.0	0.00	VERTICAL
2390.500000	38.10	13.4	53.9	15.7	100.0	0.00	VERTICAL
2418.400000	35.20	13.4	53.9	18.6	100.0	0.00	VERTICAL
2446.600000	38.90	13.6	53.9	14.9	140.0	0.00	VERTICAL
2474.200000	33.70	13.8	53.9	20.1	140.0	29.00	VERTICAL
3492.100000	30.20	15.2	53.9	23.6	100.0	0.00	HORIZONTAL