

Conducted noise according to:

EN 55022 class B

EUT: Notebook Scenic Mobile 800 AGP
Manufacturer: Siemens AG
Operating Condition: Scr "H" 1024x768x60Hz HD+CD-Test
Test Site: Siemens AG Augsburg SK2
Operator: H. Zenkner
Configuration: full config.
Comment: Monitor MCM2110 (NTD)
Start of Test: 30.03.99 / 10:56:45

SCAN TABLE: "Volt_015-30fin"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

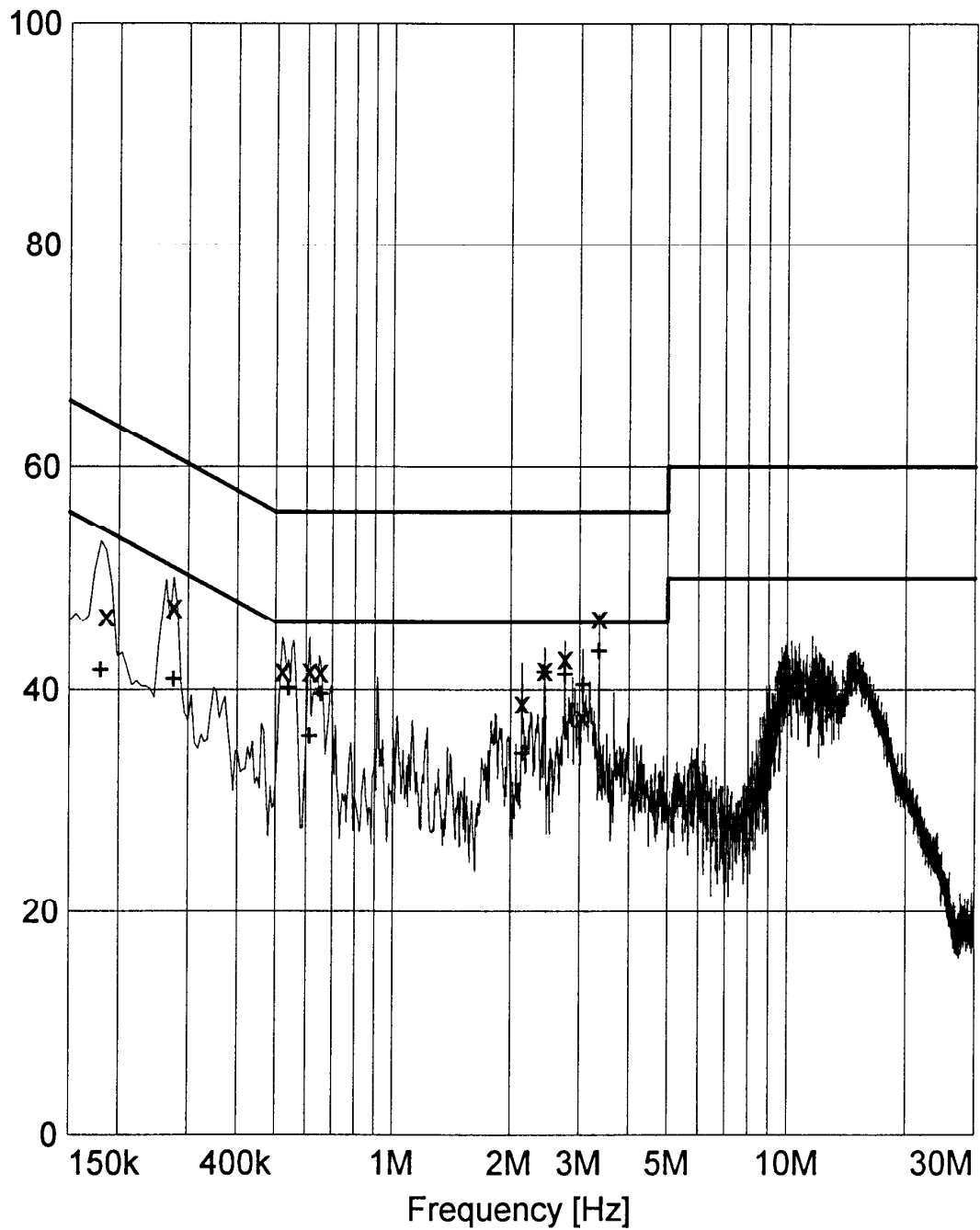
Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

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.: LowNoise
Autorange: On

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

Level [dB μ V]



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

MEASUREMENT RESULT: "Quasi Peak"

30.03.99 11:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.186000	46.70	10.0	64.2	17.5	L1	GND
0.276000	47.50	10.0	60.9	13.4	L1	GND
0.522000	41.70	10.0	56.0	14.3	N	GND
0.612000	41.70	10.0	56.0	14.3	L1	GND
0.654000	41.60	10.0	56.0	14.4	L1	GND
2.136000	38.80	10.0	56.0	17.2	N	GND
2.442000	41.80	10.0	56.0	14.2	L1	GND
2.748000	42.80	10.0	56.0	13.2	L1	GND
3.048000	37.50	10.0	56.0	18.5	L1	GND
3.360000	46.50	10.0	56.0	9.5	L1	GND

MEASUREMENT RESULT: "Average"

30.03.99 11:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.180000	41.70	10.0	54.5	12.8	N	GND
0.276000	40.90	10.0	50.9	10.0	L1	GND
0.540000	40.10	10.0	46.0	5.9	N	GND
0.612000	35.70	10.0	46.0	10.3	N	GND
0.654000	39.60	10.0	46.0	6.4	L1	GND
2.142000	34.20	10.0	46.0	11.8	L1	GND
2.442000	41.50	10.0	46.0	4.5	N	GND
2.748000	41.30	10.0	46.0	4.7	L1	GND
3.054000	40.40	10.0	46.0	5.6	L1	GND
3.360000	43.40	10.0	46.0	2.6	L1	GND

Radiated emission according to:

to EN55022 class B

EUT: scenic Mobile 800 ACP, PII 366MHz
Manufacturer: Siemens AG
Operating Condition: scr. "H" 1024*768 /HD/CD-Test
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: H. Zenkner
Configuration: fully configured
Comment: MCM1705
Start of Test:

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

Subrange 1:

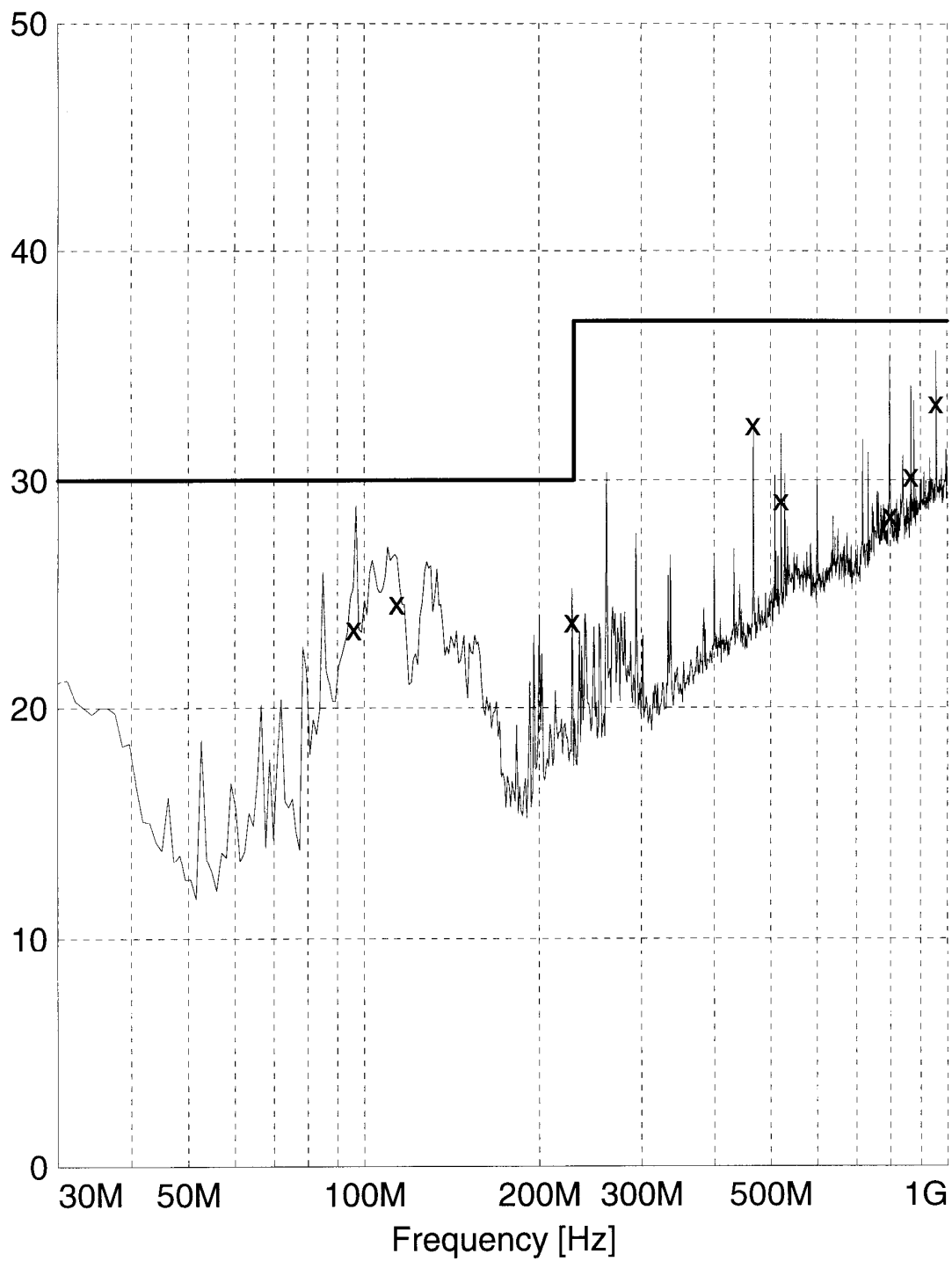
Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 120 kHz

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"

27.03.99 14:20

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
95.970000	23.50	11.3	30.0	6.4	160.0	119.00	VERTICAL
113.790000	24.60	12.7	30.0	5.3	100.0	330.00	VERTICAL
228.000000	23.80	12.5	30.0	6.1	340.0	270.00	HORIZONTAL
466.710000	32.40	19.2	37.0	4.5	220.0	29.00	HORIZONTAL
521.190000	29.10	20.4	37.0	7.8	340.0	0.00	VERTICAL
800.100000	28.40	22.8	37.0	8.5	220.0	210.00	HORIZONTAL
866.700000	30.20	23.4	37.0	6.7	220.0	180.00	VERTICAL
956.850000	33.40	24.2	37.0	3.5	220.0	210.00	VERTICAL

Radiated emission according to:
to FCC class B

EUT: Scenic Mobile 800 ACP, PII 366MHz
 Manufacturer: Siemens AG
 Operating Condition: scr. "H" 1024*768 /HD/CD-Test
 Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
 Operator: H. Zenkner
 Configuration: fully configured
 Comment: MCM1705
 Start of Test: 29.03.99 / 06:37:11

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:

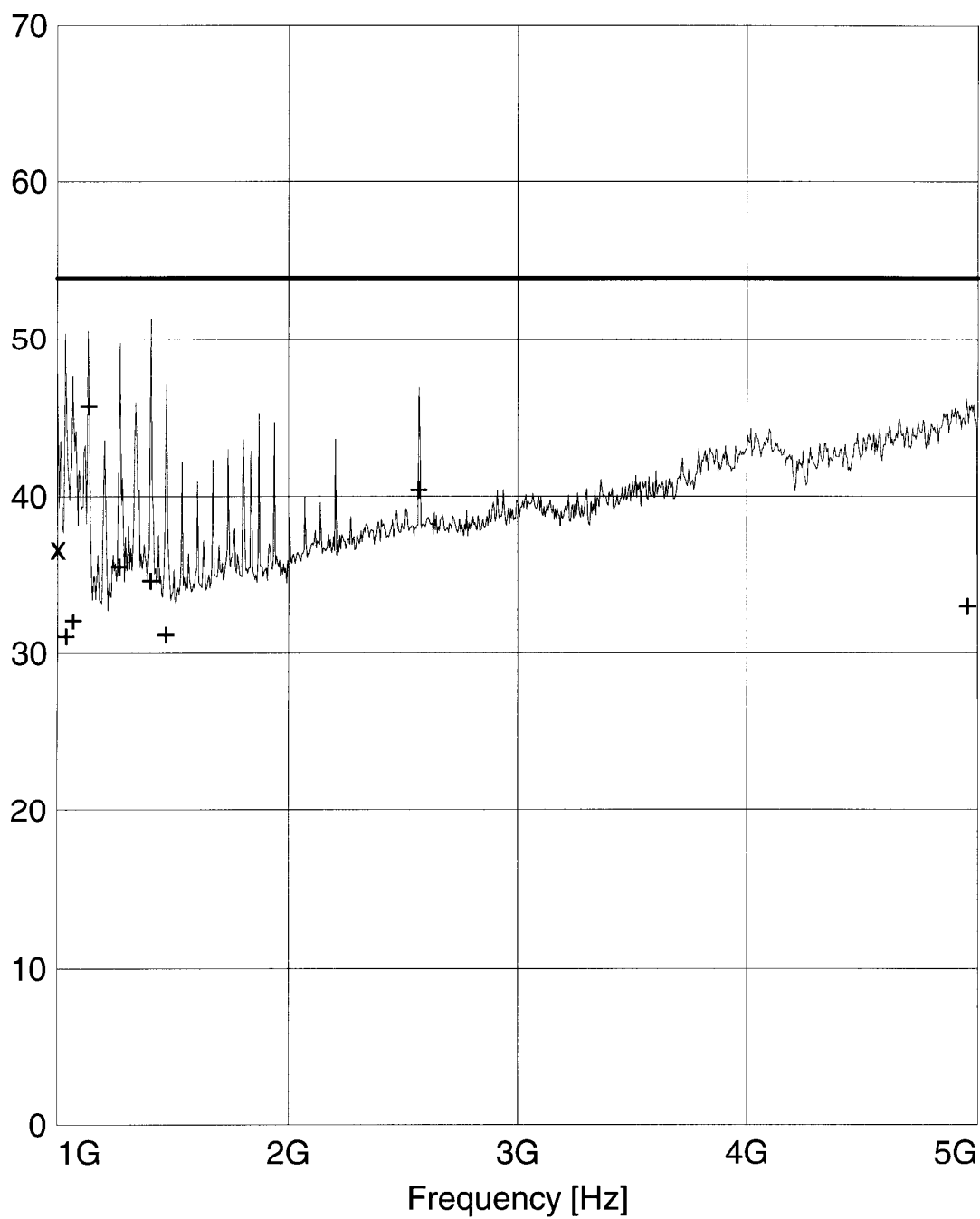
Start Frequency: 1.0 GHz Step Size: 300.0 kHz
 Stop Frequency: 5.0 GHz
 Measure Time: 10.0 ms
 IF Bandwidth: 1 MHz

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]



x x	MES	PDP9E040 fin OP	
+ +	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: "PDP9E040_fin QP"

29.03.99 07:26

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1000.000000	36.70	7.8	53.9	17.1	100.0	330.00	VERTICAL

MEASUREMENT RESULT: "Average"

29.03.99 07:26

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1036.600000	31.20	8.8	53.9	22.6	100.0	330.00	VERTICAL
1066.900000	32.20	9.2	53.9	21.6	100.0	29.00	HORIZONTAL
1133.500000	45.90	8.5	53.9	7.9	140.0	300.00	HORIZONTAL
1266.700000	35.70	8.8	53.9	18.1	100.0	180.00	VERTICAL
1400.200000	34.80	9.1	53.9	19.0	100.0	180.00	VERTICAL
1466.800000	31.30	9.1	53.9	22.5	140.0	180.00	HORIZONTAL
2566.900000	40.60	14.1	53.9	13.2	100.0	0.00	HORIZONTAL
4955.800000	33.20	19.5	53.9	20.6	180.0	239.00	HORIZONTAL