Conducted noise according to:

EN 55022 class B

EUT:	USB Keyboard K280
Manufacturer:	Siemens AG
Operating Condition:	Scroll "H" 1024x768/85Hz, HD+CD-Test
Test Site:	Siemens AG Augsburg SK1
Operator:	H. Zenkner
Comment:	Full configuration, Monitor MCM1705
Comment:	Sc. Pro 850 PII 400MHz, all down stream ports con.
Start of Test:	15.07.99 / 09:23:57

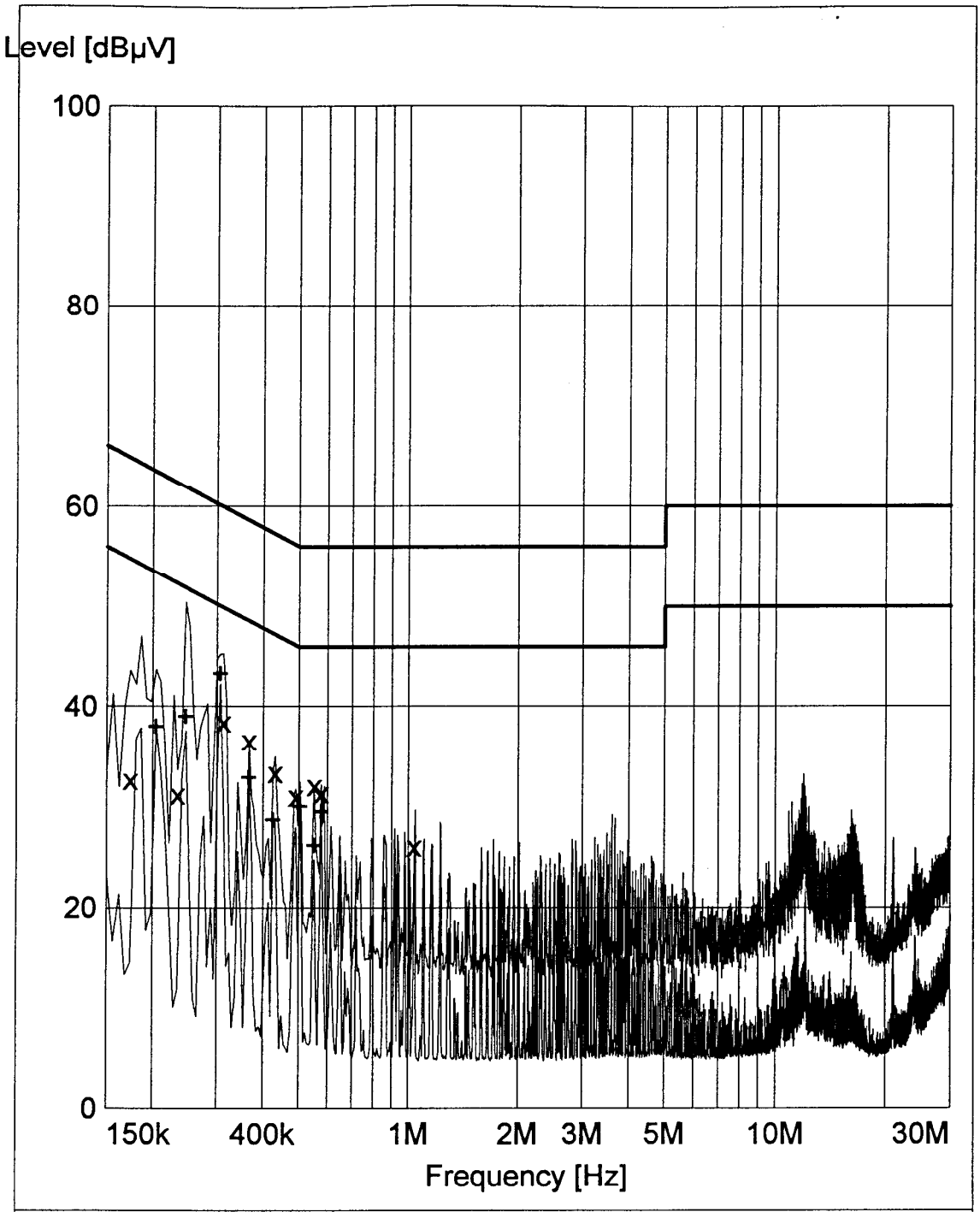
SCAN TABLE: "Volt_015-30MHZ"

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"

15.07.99 09:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.174000	32.70	10.0	64.7	31.9	L1	GND
0.234000	31.30	10.0	62.3	30.9	N	GND
0.312000	38.40	10.0	59.9	21.4	L1	GND
0.366000	36.60	10.0	58.5	21.9	N	GND
0.432000	33.40	10.0	57.2	23.7	L1	GND
0.492000	31.10	10.0	56.1	24.9	L1	GND
0.552000	32.10	10.0	56.0	23.8	N	GND
0.576000	31.40	10.0	56.0	24.6	N	GND
1.038000	26.00	10.0	56.0	29.9	N	GND

MEASUREMENT RESULT: "Average"

15.07.99 09:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.204000	38.00	10.0	53.4	15.3	L1	GND
0.246000	39.00	10.0	51.8	12.8	N	GND
0.306000	43.20	10.0	50.0	6.7	N	GND
0.366000	32.90	10.0	48.5	15.6	N	GND
0.426000	28.80	10.0	47.3	18.5	N	GND
0.504000	30.10	10.0	46.0	15.8	L1	GND
0.552000	26.10	10.0	46.0	19.8	N	GND
0.576000	29.60	10.0	46.0	16.3	L1	GND

Radiated emission according to:

to EN55022 class B

EUT:	USB keyboard K280
Manufacturer:	Siemens AG
Operating Condition:	ScrH, 1024x768 85Hz ; HD/CD-Test
Test Site:	Siemens-Augsburg (Semi-anechoic chamber 10m)
Operator:	M. Bosse
Configuration:	full configuration; Monitor MCM 1705
Comment:	PC: Scenic Pro 850 PII 400 MHz
Start of Test:	13.07.99 / 08:42:55

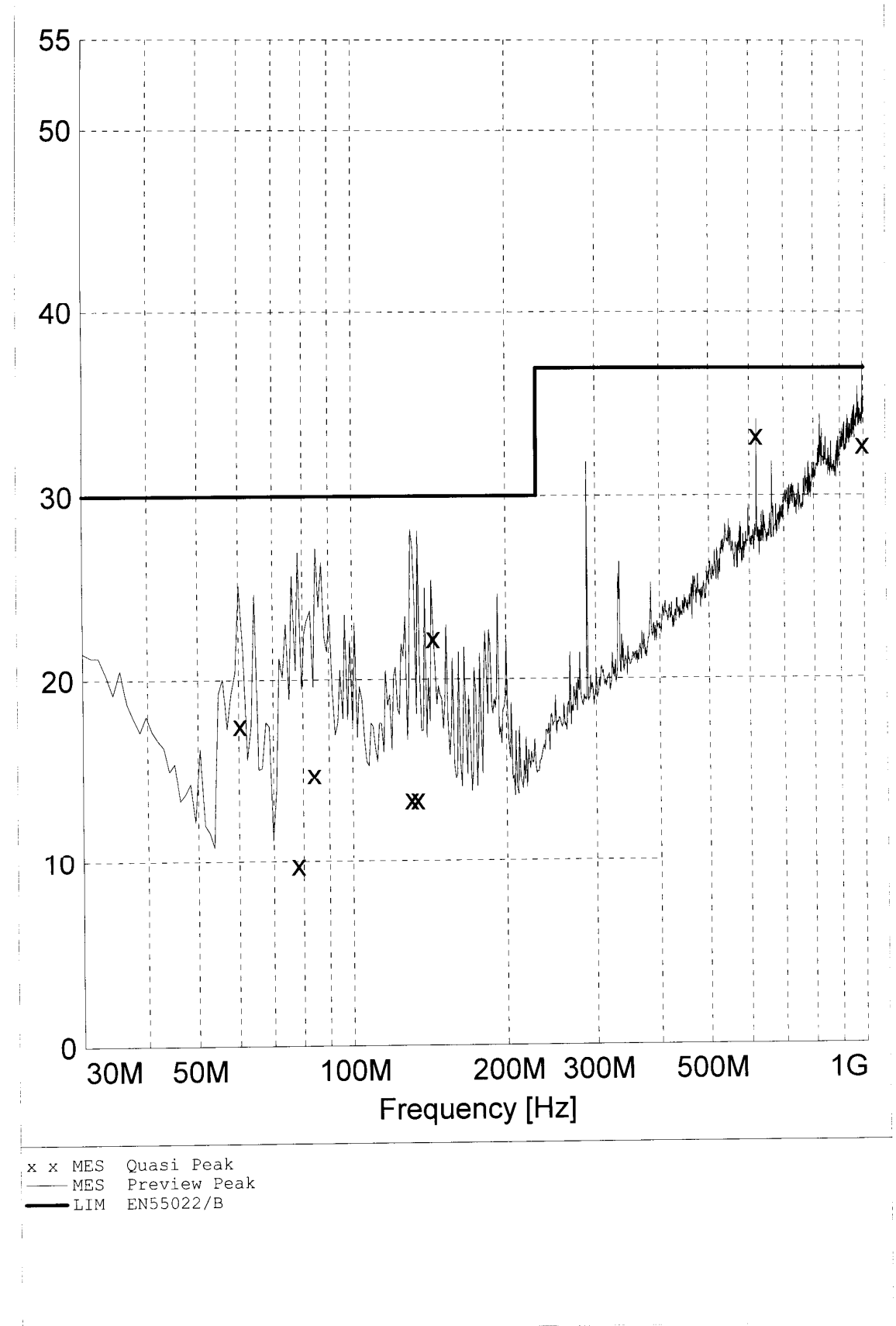
SCAN TABLE: "10m/30-1000"

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 [dBµV/m]
55
50
40
30
20
10
0
30M
50M
100M
200M
300M
500M
1G
Frequency [Hz]
x x MES Quasi Peak
MES Preview Peak
LIM EN55022/B

MEASUREMENT RESULT: "Quasi Peak"

13.07.99 09:48

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
60.300000	17.50	5.6	30.0	12.5	340.0	90.00	VERTICAL
78.090000	9.80	7.5	30.0	20.2	220.0	270.00	VERTICAL
84.090000	14.80	8.5	30.0	15.2	400.0	239.00	HORIZONTAL
130.350000	13.40	12.7	30.0	16.6	160.0	210.00	VERTICAL
133.950000	13.40	12.6	30.0	16.6	100.0	239.00	VERTICAL
144.000000	22.20	12.1	30.0	7.8	160.0	180.00	VERTICAL
618.750000	33.30	22.7	37.0	3.7	340.0	300.00	HORIZONTAL
994.950000	32.80	28.7	37.0	4.2	280.0	0.00	HORIZONTAL