

**Conducted noise according to:
EN 55022 class B**

EUT: Keyboard KBPC-S 2 (K297)
Manufacturer: Siemens AG
Operating Condition: Scroll "H" 1024x768 bei 100Hz - HD+CD-Test
Test Site: Siemens AG Augsburg SK1
Operator: R. Schaufler
Configuration: Full configuration - Scenic Pro M7
Comment: MCM 1707
Start of Test: 26.10.99 / 10:09:19

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

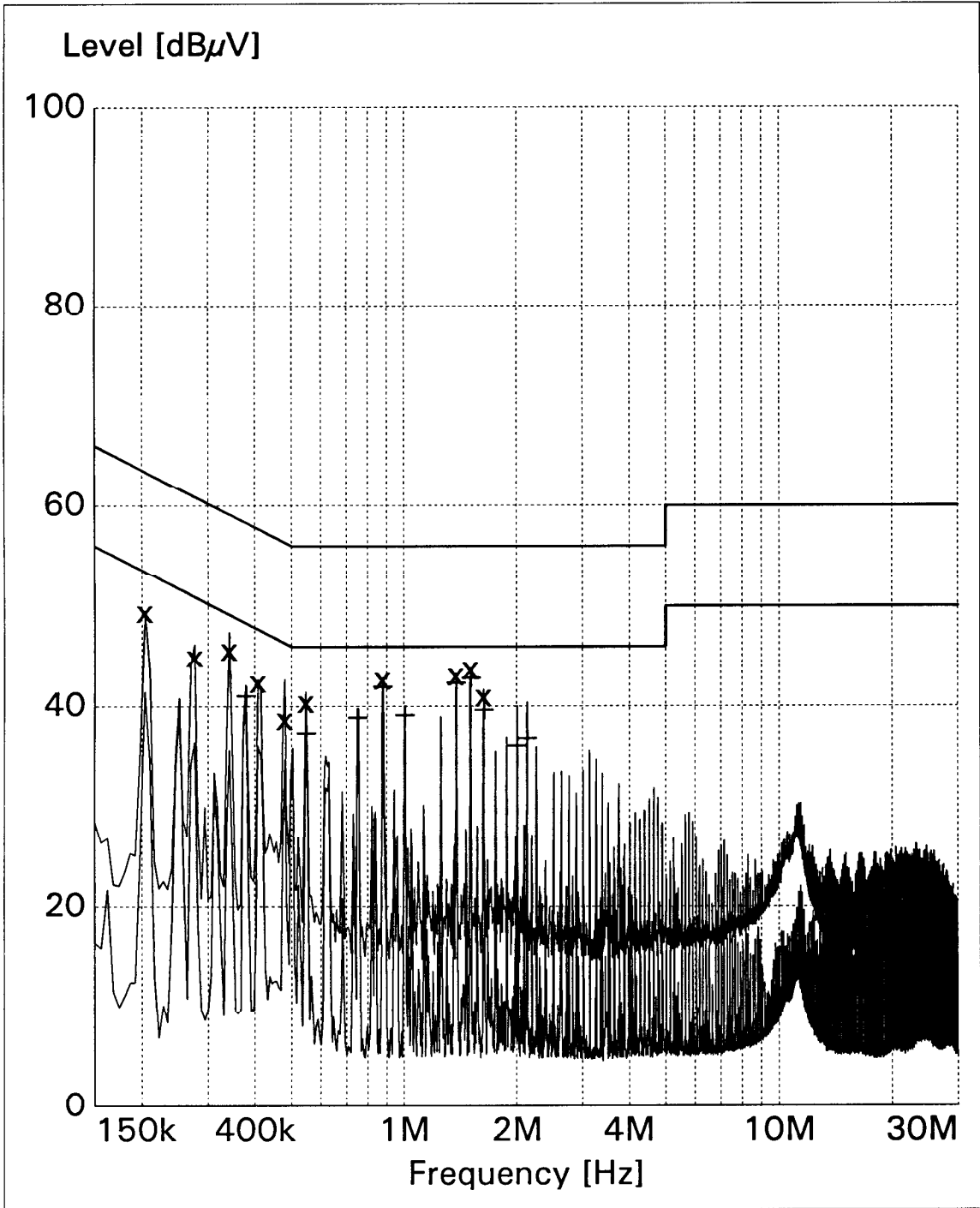
| | Detector: | Mode: |
|----------|-----------|---------|
| Curve 1: | MaxPeak | MaxHold |
| Curve 2: | Average | MaxHold |

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 | | |



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"

26.10.99 10:24

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE |
|------------------|---------------|--------------|---------------|--------------|------|-----|
| 0.204000 | 49.30 | 10.0 | 63 | 14.2 | N | GND |
| 0.276000 | 44.80 | 10.0 | 61 | 16.2 | L1 | GND |
| 0.342000 | 45.50 | 10.0 | 59 | 13.7 | L1 | GND |
| 0.408000 | 42.20 | 10.0 | 58 | 15.5 | N | GND |
| 0.480000 | 38.50 | 10.0 | 56 | 17.8 | L1 | GND |
| 0.546000 | 40.20 | 10.0 | 56 | 15.8 | N | GND |
| 0.876000 | 42.50 | 10.0 | 56 | 13.5 | N | GND |
| 1.380000 | 42.90 | 10.0 | 56 | 13.1 | N | GND |
| 1.506000 | 43.50 | 10.0 | 56 | 12.5 | N | GND |
| 1.632000 | 40.80 | 10.0 | 56 | 15.3 | N | GND |

MEASUREMENT RESULT: "Average"

26.10.99 10:24

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Line | PE |
|------------------|---------------|--------------|---------------|--------------|------|-----|
| 0.378000 | 40.90 | 10.0 | 48 | 7.5 | N | GND |
| 0.546000 | 37.20 | 10.0 | 46 | 8.8 | N | GND |
| 0.750000 | 38.80 | 10.0 | 46 | 7.3 | N | GND |
| 0.876000 | 41.80 | 10.0 | 46 | 4.2 | N | GND |
| 1.002000 | 39.00 | 10.0 | 46 | 7.0 | N | GND |
| 1.380000 | 42.20 | 10.0 | 46 | 3.8 | N | GND |
| 1.506000 | 42.70 | 10.0 | 46 | 3.3 | N | GND |
| 1.632000 | 39.50 | 10.0 | 46 | 6.5 | N | GND |
| 2.004000 | 36.00 | 10.0 | 46 | 10.0 | N | GND |
| 2.130000 | 36.70 | 10.0 | 46 | 9.3 | N | GND |

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

EUT: keyboard KBPC S 2 (K297)
Manufacturer: Siemens AG
Operating Condition: scr. "II" 1024*768/85 Hz, HD:CD-Test
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: H. Zenkner
Configuration: fully conf., Scenic PRO M7
Comment:
Start of Test: 12.10.99 / 16:35:51

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

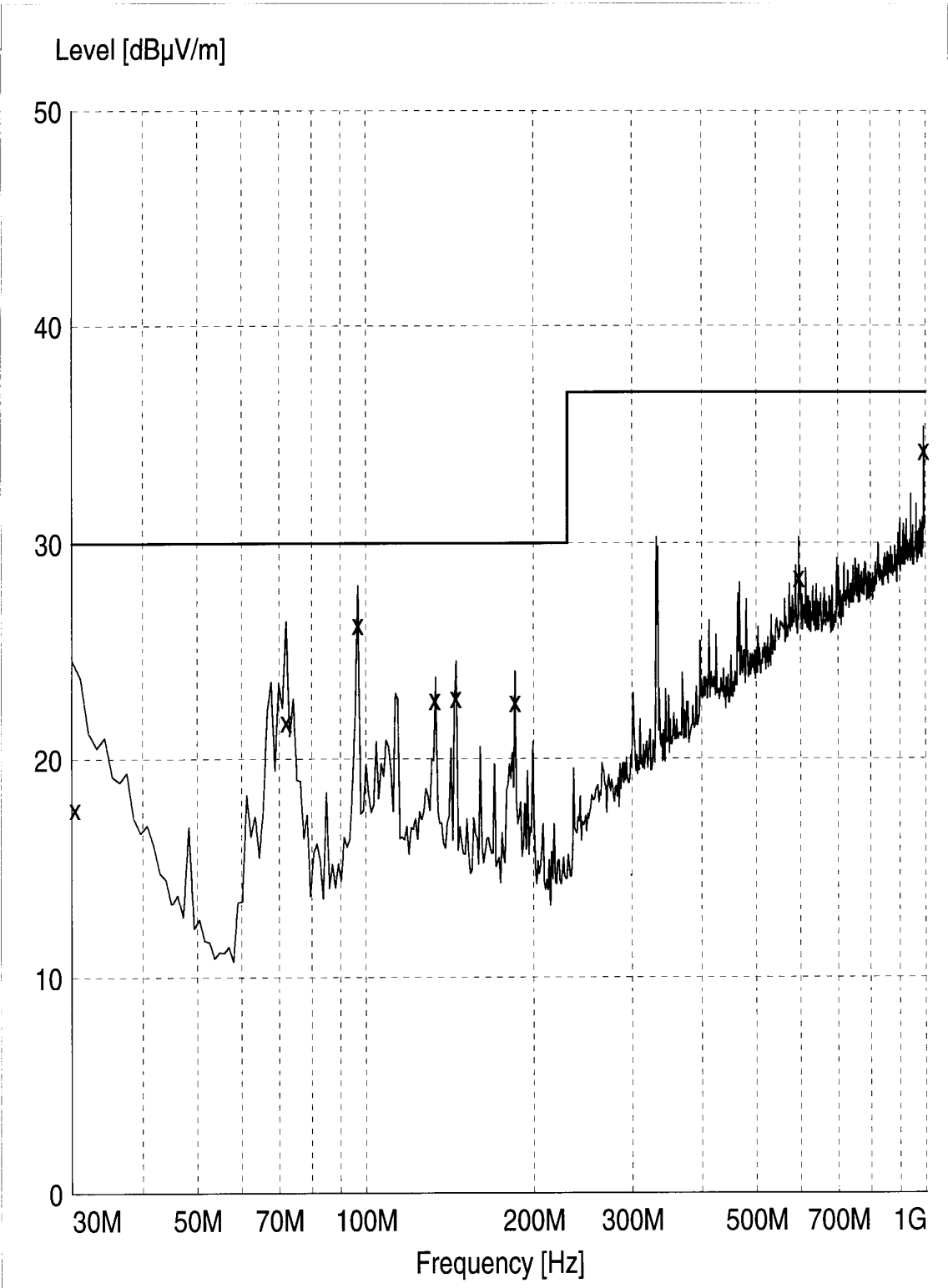
Subrange 1:

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. 8/99
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:



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

MEASUREMENT RESULT: "Quasi Peak"

13.10.99 07:36

| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Height cm | Azimuth deg | Polarisation |
|------------------|-----------------|--------------|-----------------|--------------|--------------|----------------|--------------|
| 30.360000 | 17.00 | 10.1 | 30.0 | 12.2 | 100.0 | 90.00 | VERTICAL |
| 71.970000 | 21.80 | 6.0 | 30.0 | 8.2 | 400.0 | 29.00 | HORIZONTAL |
| 96.660000 | 26.28 | 10.7 | 30.0 | 3.2 | 160.0 | 239.00 | VERTICAL |
| 132.900000 | 22.80 | 12.0 | 30.0 | 7.2 | 100.0 | 270.00 | VERTICAL |
| 144.960000 | 22.90 | 11.4 | 30.0 | 7.1 | 340.0 | 210.00 | HORIZONTAL |
| 185.070000 | 22.70 | 9.8 | 30.0 | 7.3 | 400.0 | 59.00 | HORIZONTAL |
| 595.320000 | 28.40 | 21.0 | 37.0 | 8.6 | 160.0 | 300.00 | HORIZONTAL |
| 992.220000 | 34.30 | 24.4 | 37.0 | 2.7 | 280.0 | 300.00 | HORIZONTAL |