

12. CONDUCTED DISTURBANCE VOLTAGE IN THE FREQUENCY RANGE 0,15 - 30 MHZ

12.1 Measurement uncertainty

Conducted disturbance voltage, quasi-peak detection:

±2,0 dB

The measurement uncertainty describes the overall uncertainty of the given measured value during operation of the EUT.

Measurement uncertainty is calculated in accordance with EA-4/02-1997. The measurement uncertainty is given with a confidence of 95%.

12.2 Test equipment

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FCC

Equipment

Manufacturer

Type

SEMKO No.

Software:

Rohde & Schwarz

ES-K1 V1.60

Measurement receiver:

Rohde & Schwarz

ESHS 30

4946

Artificial mains network: Rohde & Schwarz

ESH3-Z5

2727

Transformer

Tufvassons

AFM-1500

30317

12.3 Measurement set-up

The mains terminal disturbance voltage was measured with the EUT located 0,8 m above the ground plane and 0,4 m from the vertical ground plane. The EUT was connected to an artificial mains network (AMN). The AMN was placed on the ground plane. Amplitude measurements were performed with a quasi-peak detector. The EUT was supplied by 120 VAC (60 Hz) during the test.





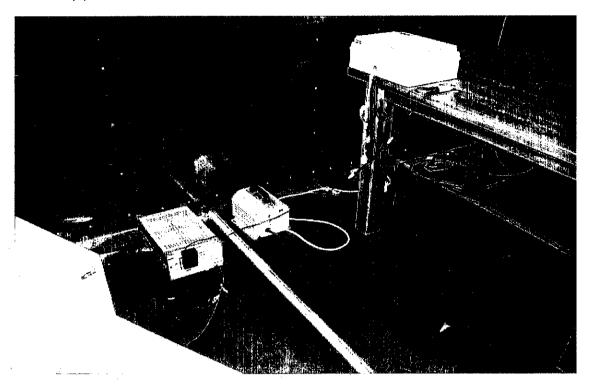








Test set-up photo:



12.4 Test protocol

Date of test: June 6, 2005

	Quasi-Peak	
Frequency	Disturbance Level	Permitted limit
/MHz	/dB(µV)	/dB(µV)
0,1800	56	65
0,3600	34	59
2,1300	31	56
2,1900	32	56
2,8425	34	56













Overview sweeps performed with peak and average detectors

