

RADIO TEST REPORT

No. 0149128R2

EQUIPMENT UNDER TEST

Equipment: Bluetooth PC Card
Type / model: LSE041 R2
Manufacturer: National Semiconductor Sweden AB
Tested by request of: National Semiconductor Sweden AB

SUMMARY

Addition to the SEMCO Test Report No. 0149128R1.

The equipment complies with the requirements of radiated and conducted emissions according to the following standard:

FCC part 15, subpart B (2001)

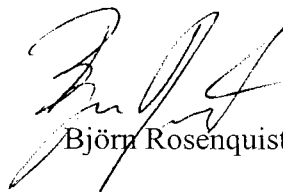
Date of issue: April 3, 2002

Tested by:



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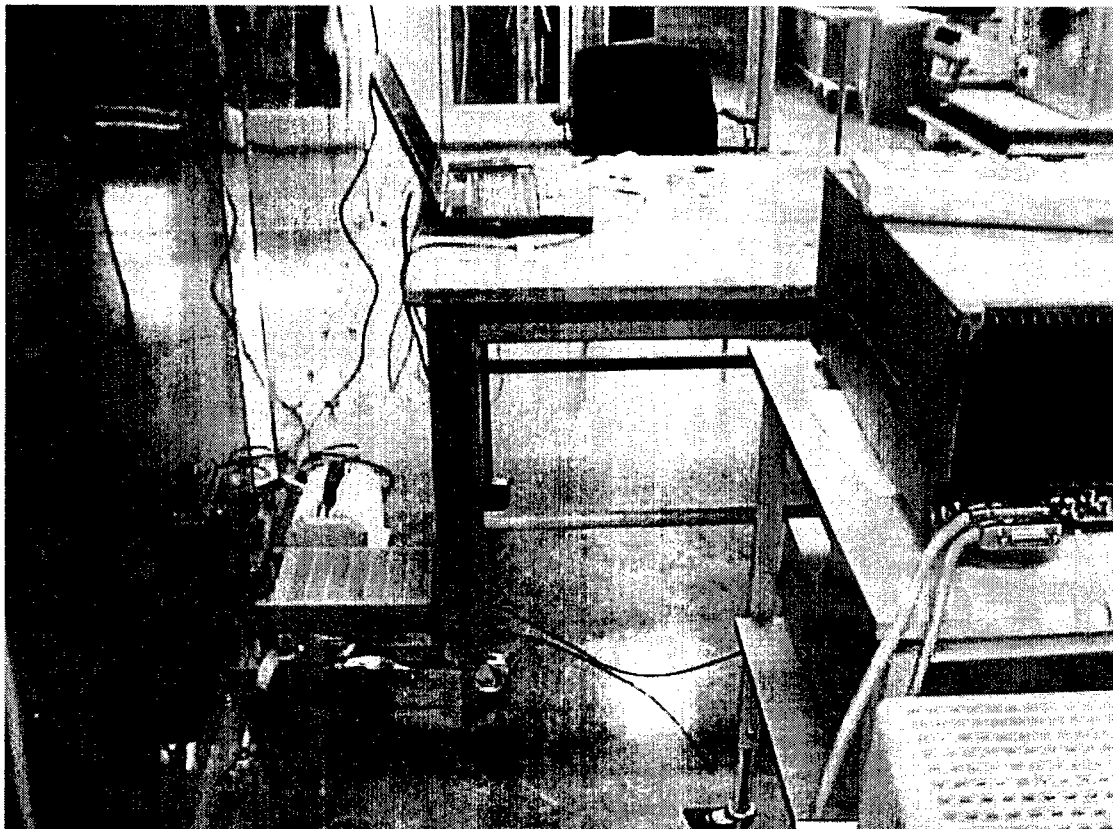
1. MAINS TERMINAL CONTINUOUS DISTURBANCE VOLTAGE IN THE FREQUENCY RANGE 0,45 MHz TO 30 MHz

1.1 Operating environment

Temperature: 22 °C
Relative Humidity: 25 %

1.2 Test set-up and test procedure

The mains terminal disturbance voltage was measured with the equipment under test (EUT) 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 a metallic, grounded floor. Amplitude measurements were performed with a quasi-peak detector. The set-up photo is shown below.



1.3 Measurement uncertainty

Mains terminal disturbance voltage, quasi-peak detection: $\pm 2,0$ dB

The measurement uncertainty describes the overall uncertainty of the given measured value during the operation of the EUT in the above-mentioned way. Measurement uncertainty is calculated in accordance with WECC 19-1990. The measurement uncertainty is given with a confidence of 95%.

1.4 Test equipment and software

Equipment	Manufacturer	Type	SEMKO No.
Measurement receiver	Rohde & Schwarz	ESHS 30	4945
Artificial mains network	Rohde & Schwarz	ESH3-Z5	2727
Transformer	TUFVASSONS	AFM-1500	375

Software: ES-K1 V1.60

1.5 Test protocol

Date of test: March 28, 2002

Frequency /MHz	Quasi-Peak	
	Disturbance Level /dB(μ V)	Permitted limit /dB(μ V)
9,115	20,7	48
25,545	20,1	48
26,045	21,1	48
26,550	21,9	48
27,045	20,2	48
27,550	22,2	48
28,050	21,8	48
28,550	22,7	48

An overview sweep performed with a peak detector is shown below.

