



# International Amateur Radio Union Region 1

Europe, Middle East, Africa and Northern Asia

Founded 1950

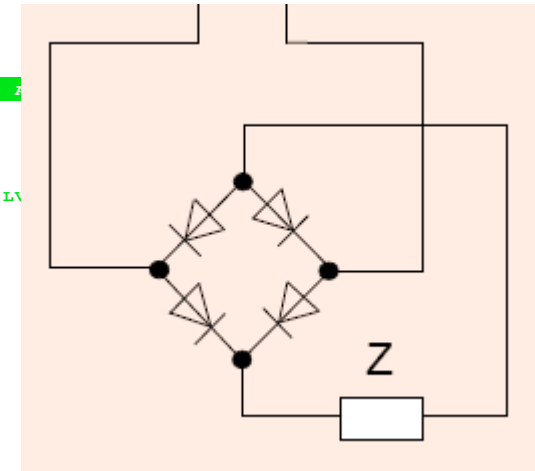
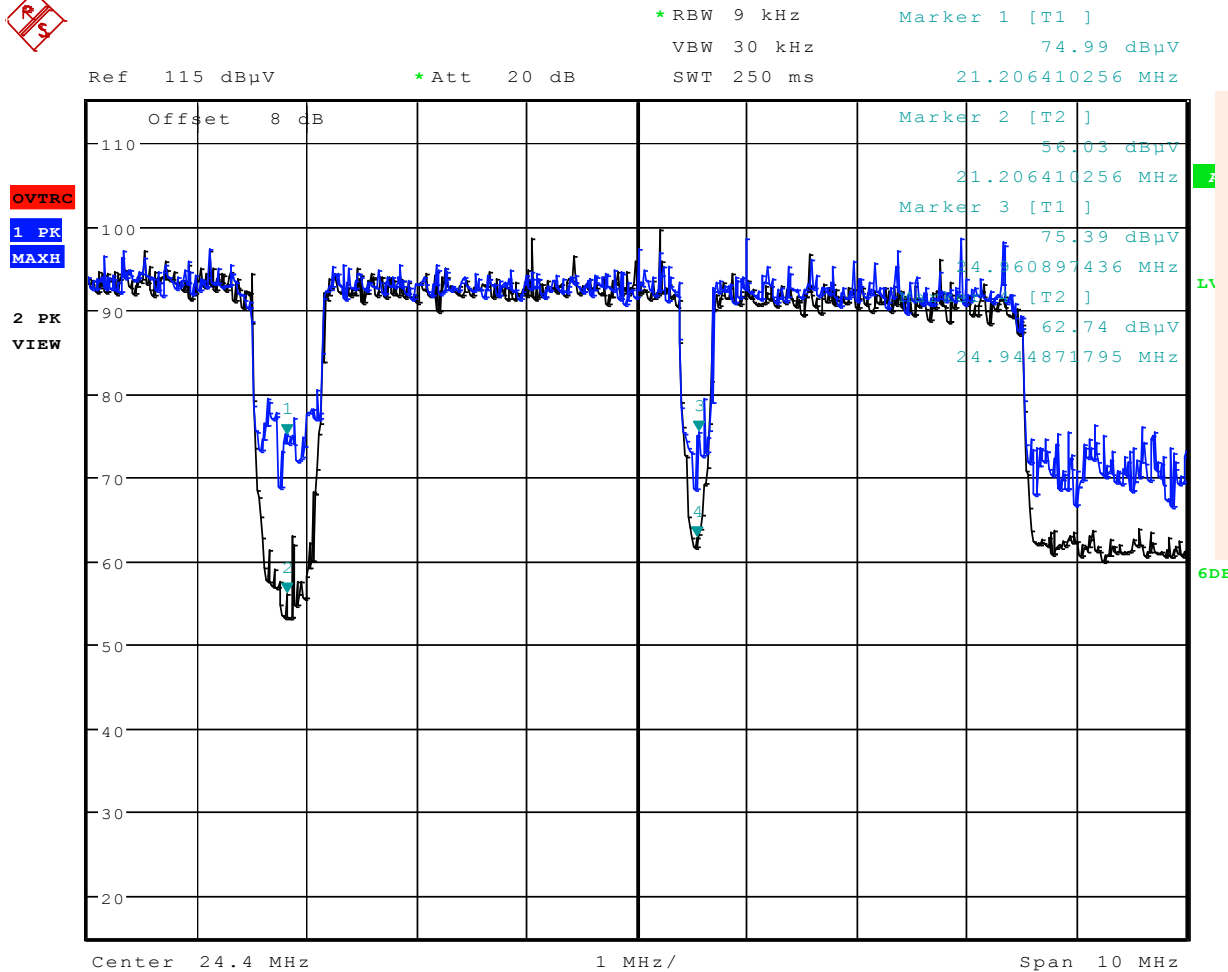
## EMC Committee – Interim Meeting

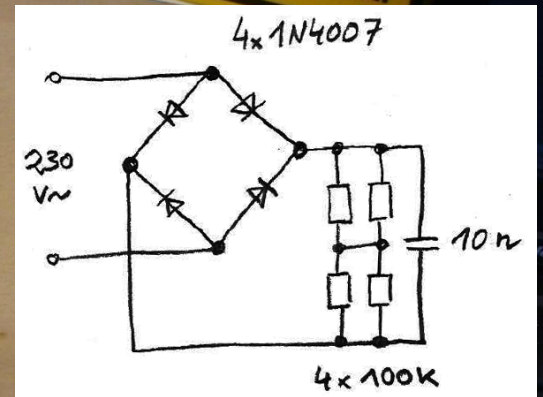
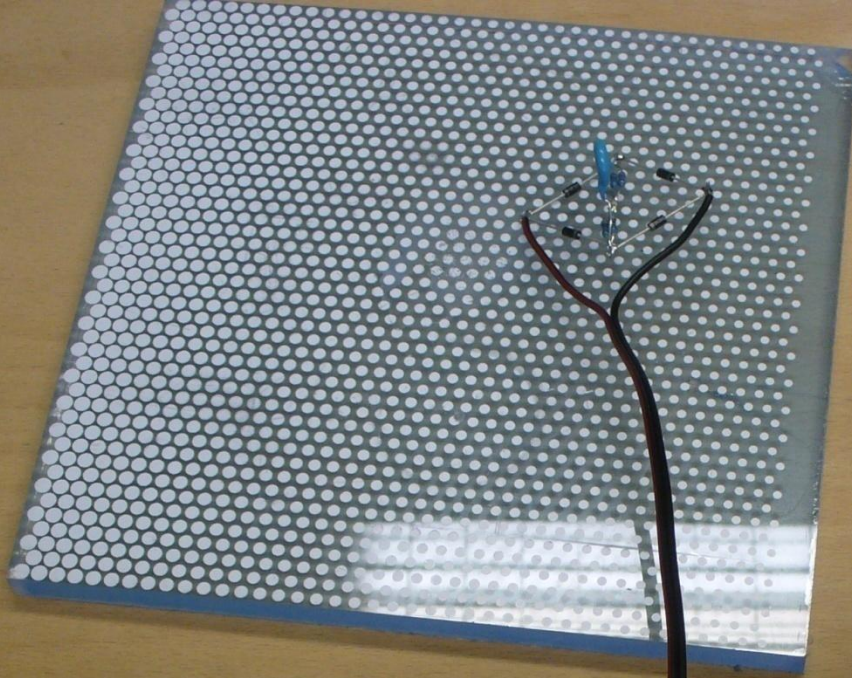
16-17 April 2016

InterCity Hotel, Vienna

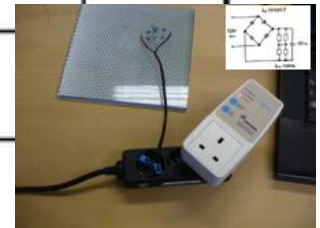
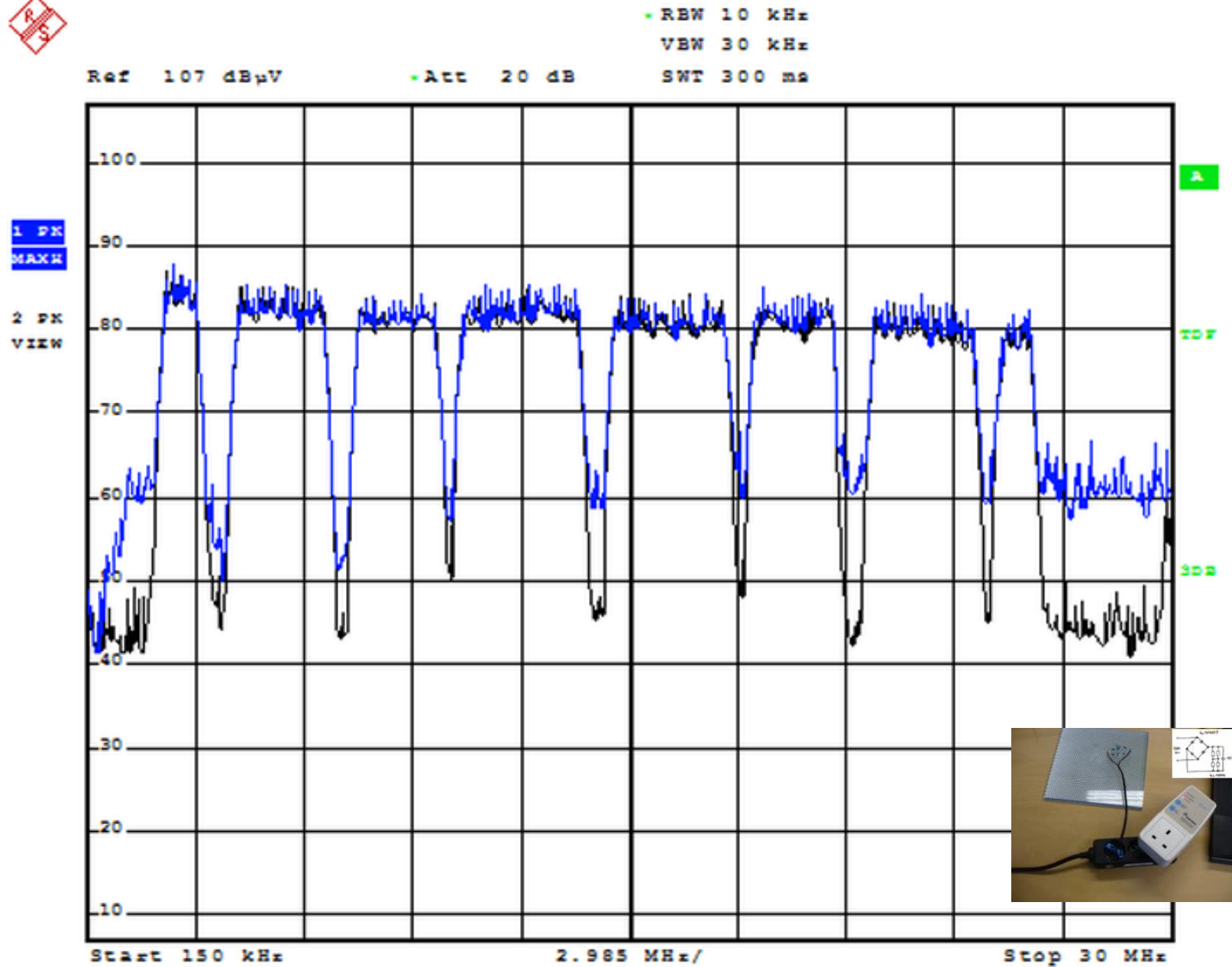
<b>Subject</b>	<b>Intermodulation between LED modules and PLC</b>		
<b>Society</b>	DARC	<b>Country:</b>	Germany
<b>Committee:</b>	<b>EMC</b>	<b>Paper number:</b>	<b>C7-14</b>
<b>Author:</b>	Thilo Kootz, DL9KCE		

# dLan500AVmini vs. Canon Charger





# IM-Dummy







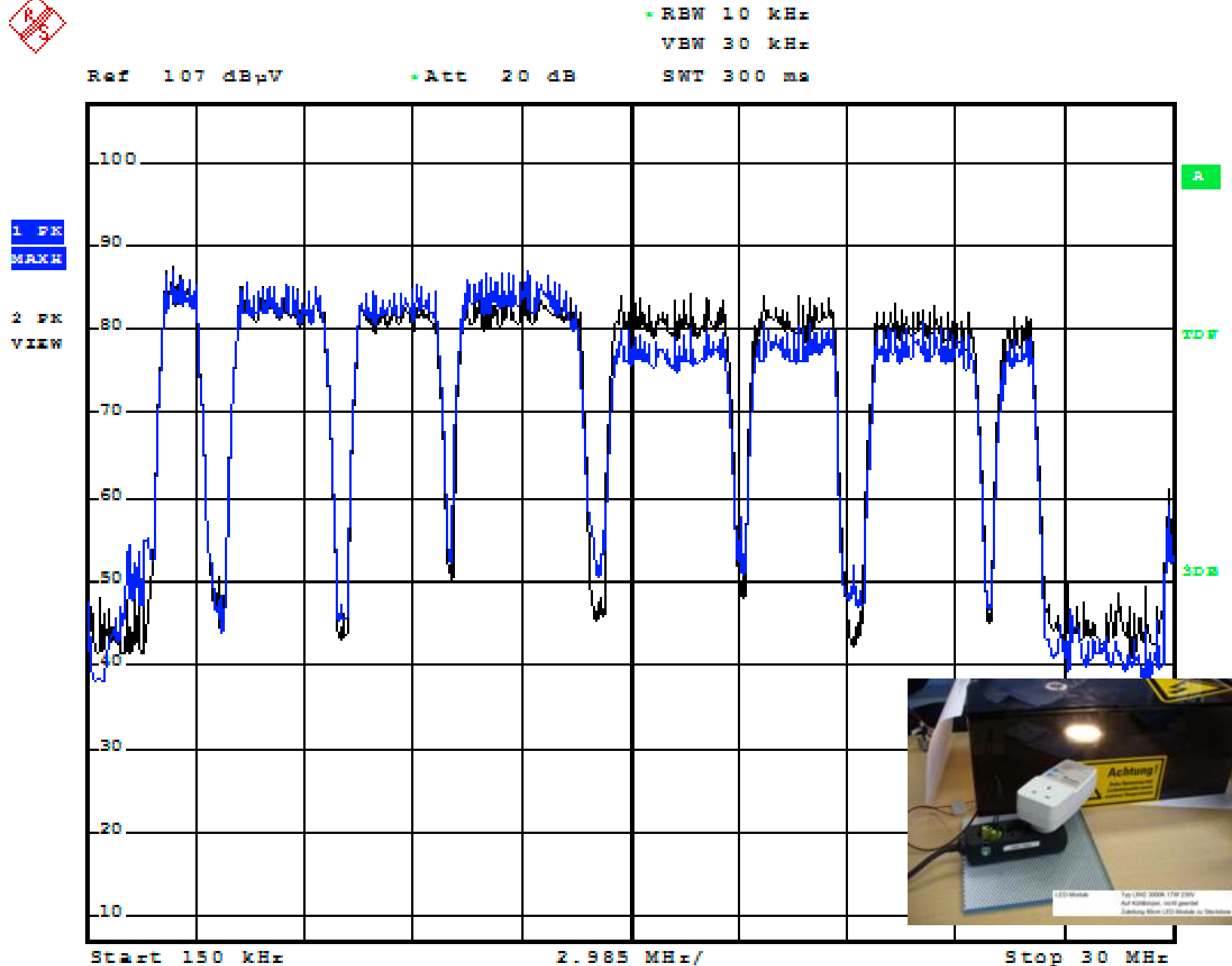
LED-Module:

Typ LR42 3000K 17W 230V

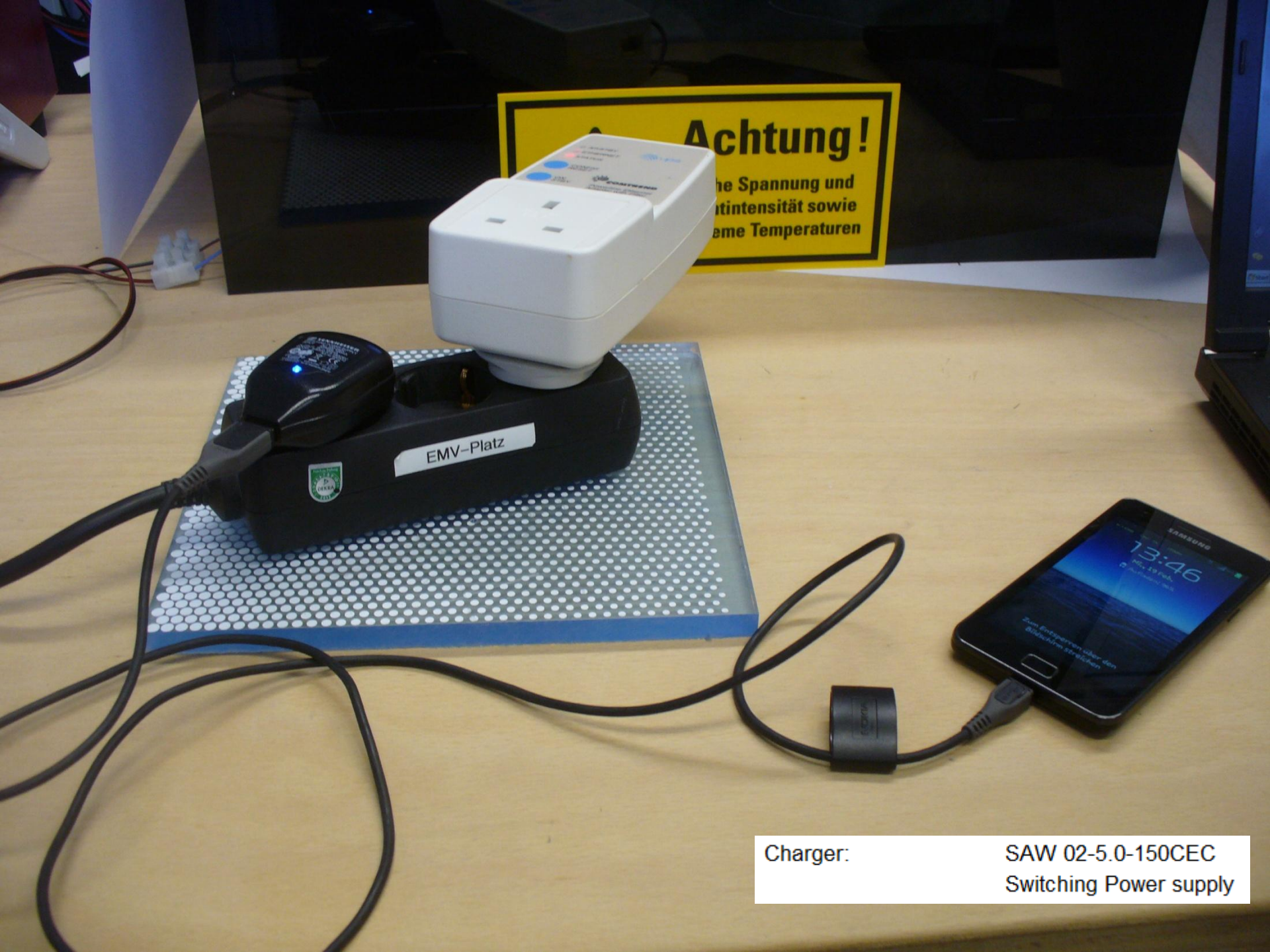
Auf Kühlkörper, nicht geerdet

Zuleitung 80cm LED-Module zu Steckdose

# Led-Module 17 W







EMV-Platz

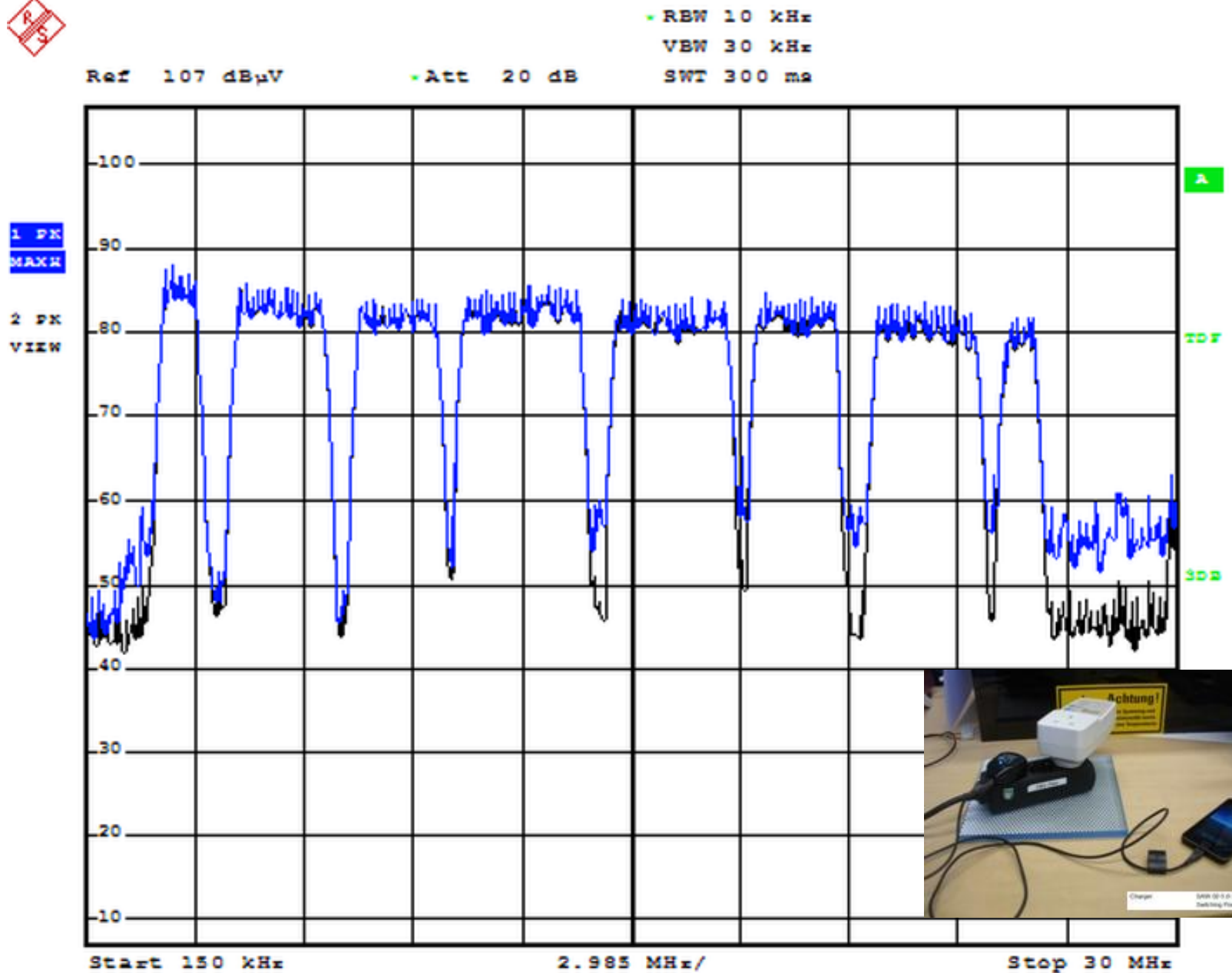
**Achtung!**

Die Spannung und  
Leistungsintensität sowie  
Temperaturen

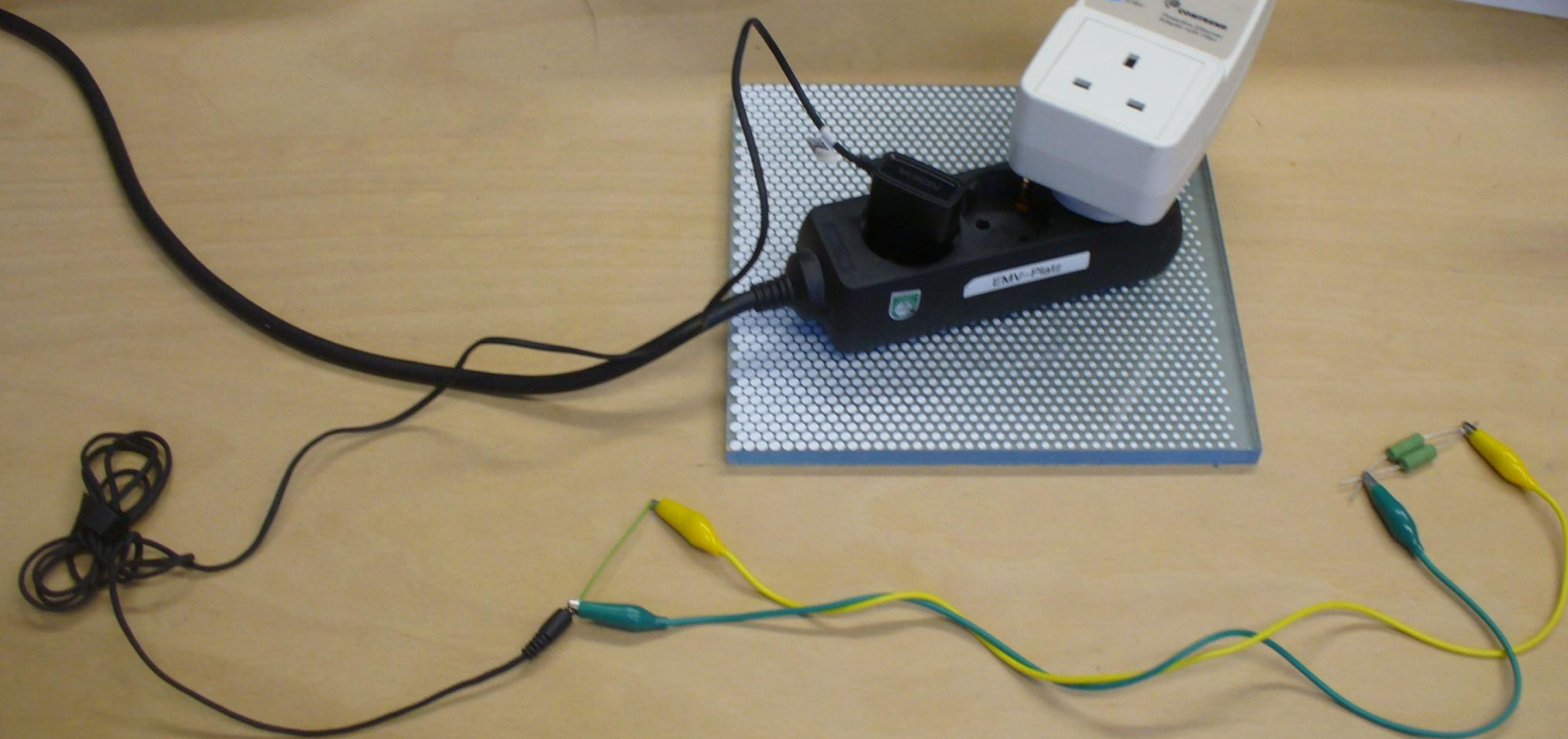
Charger:

SAW 02-5.0-150CEC  
Switching Power supply

# Sennheiser Charger

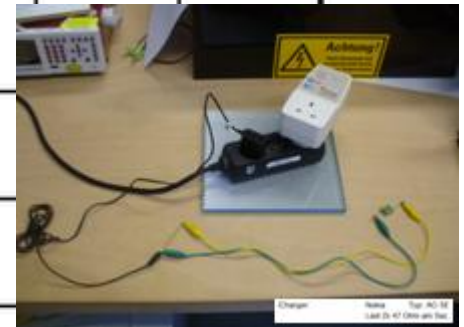
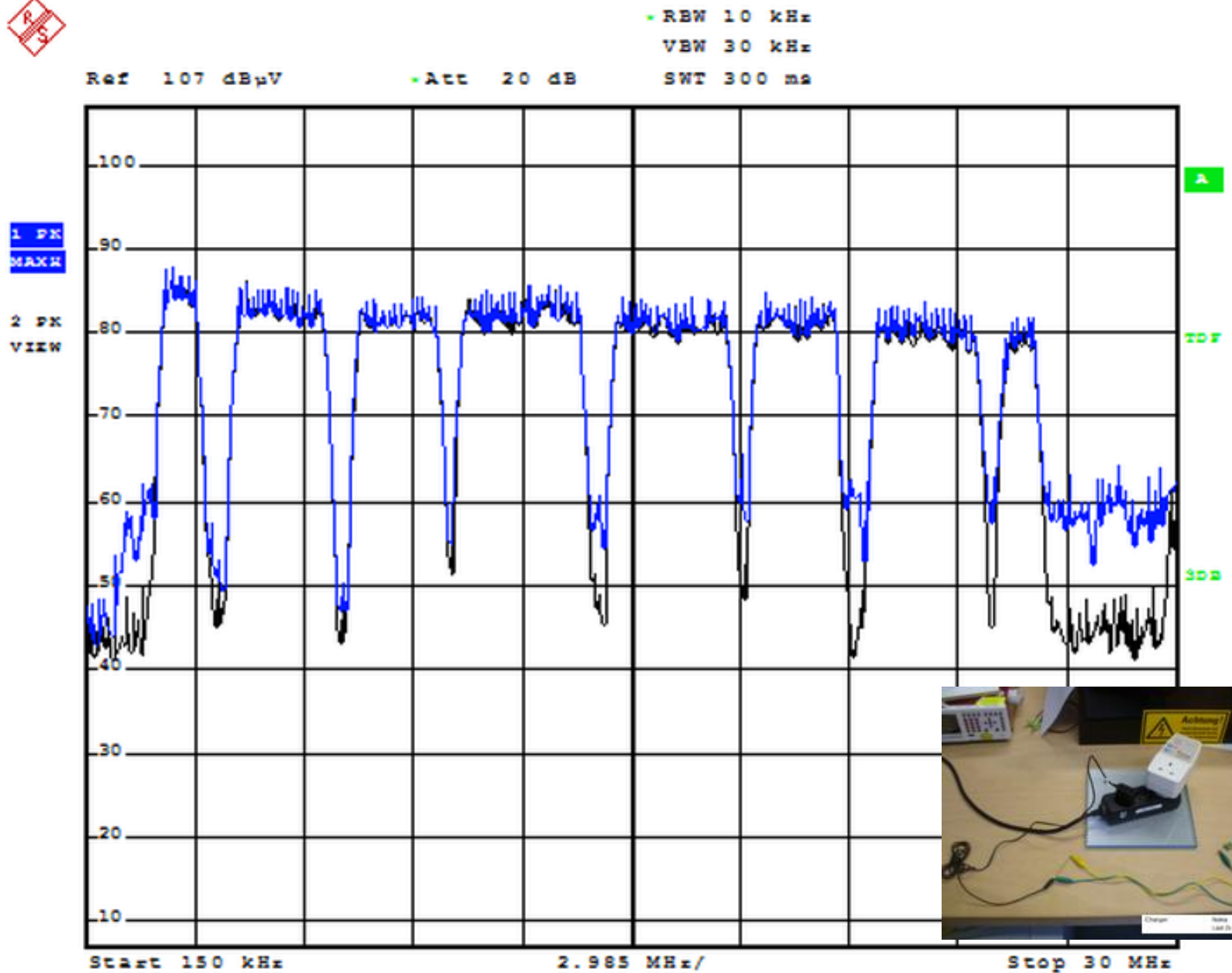




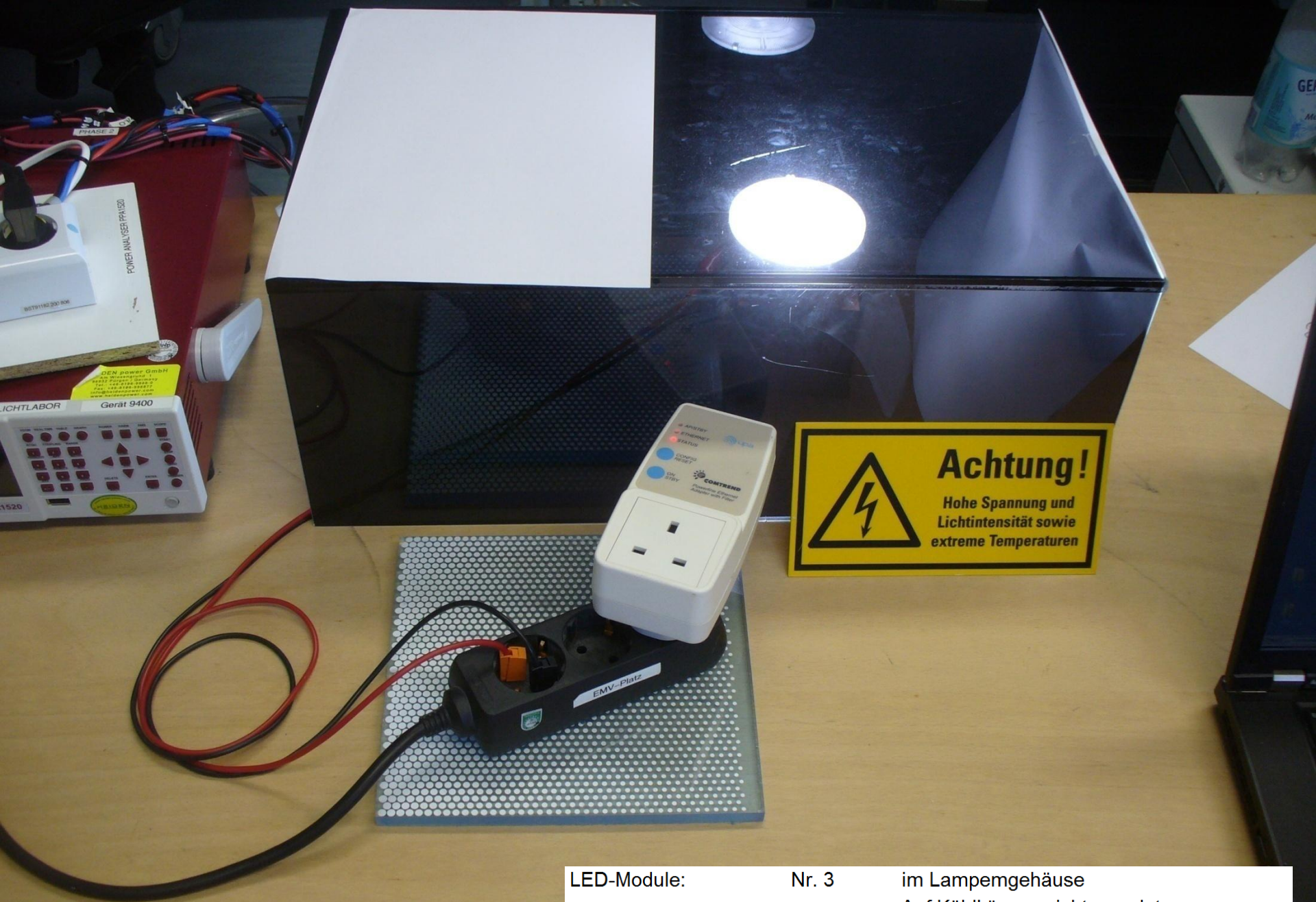


Charger: Nokia Typ: AC-5E  
Last 2x 47 Ohm am Sec.

# Nokia Charger

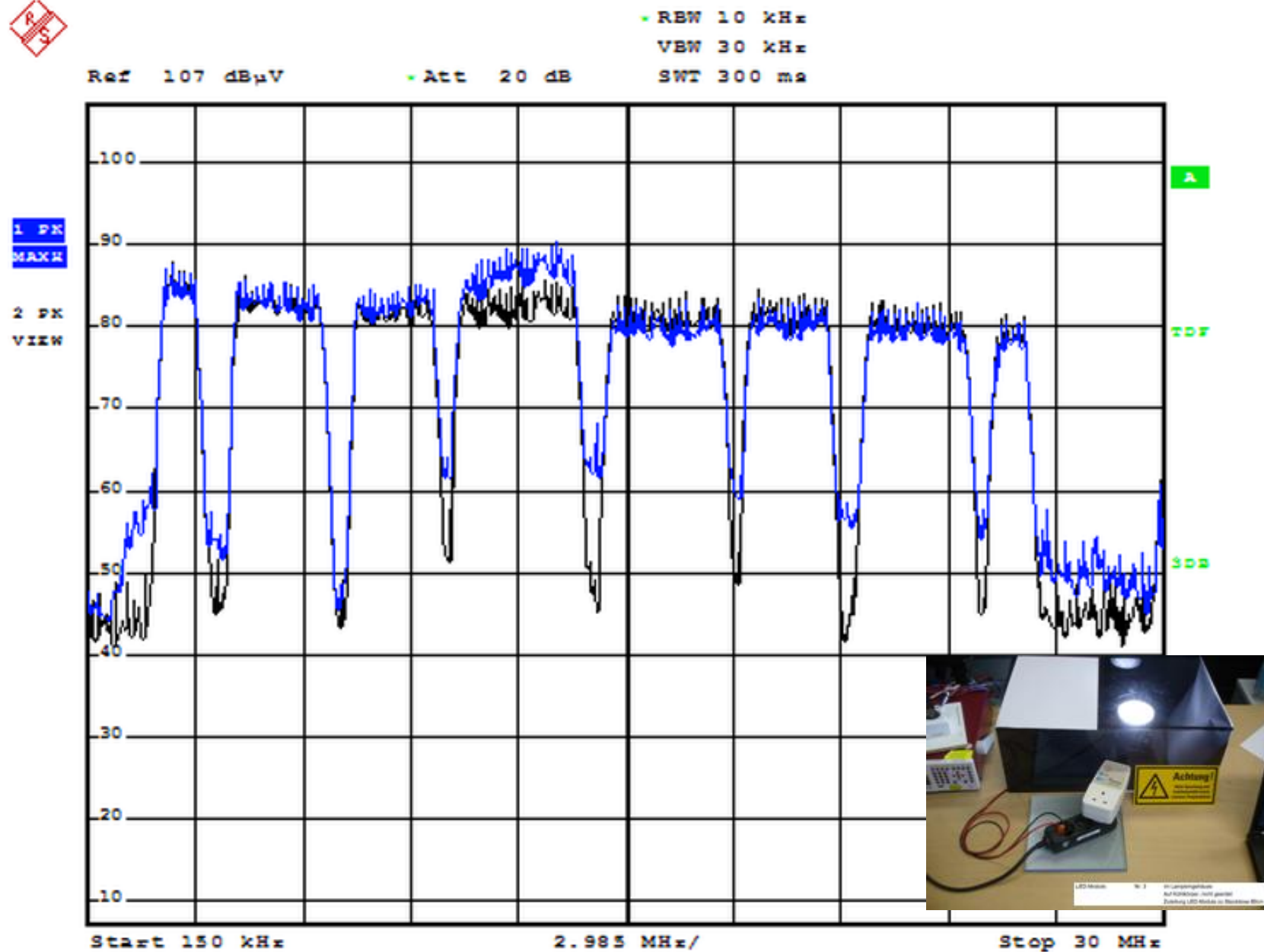


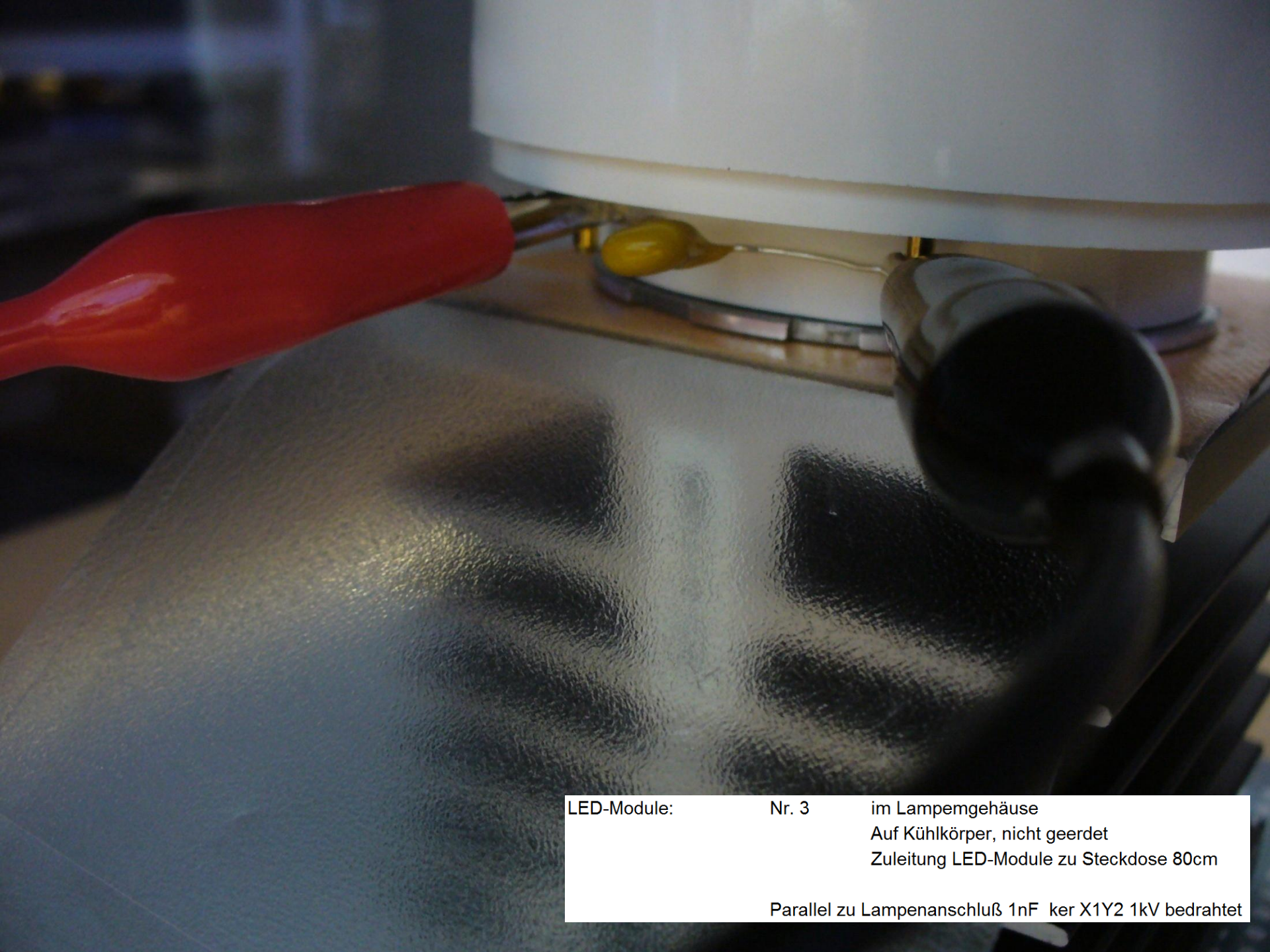




LED-Module:	Nr. 3	im Lampengehäuse Auf Kühlkörper, nicht geerdet Zuleitung LED-Module zu Steckdose 80cm
-------------	-------	---

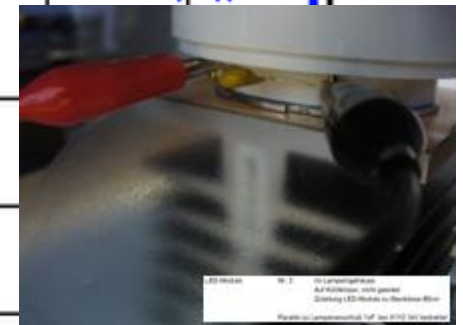
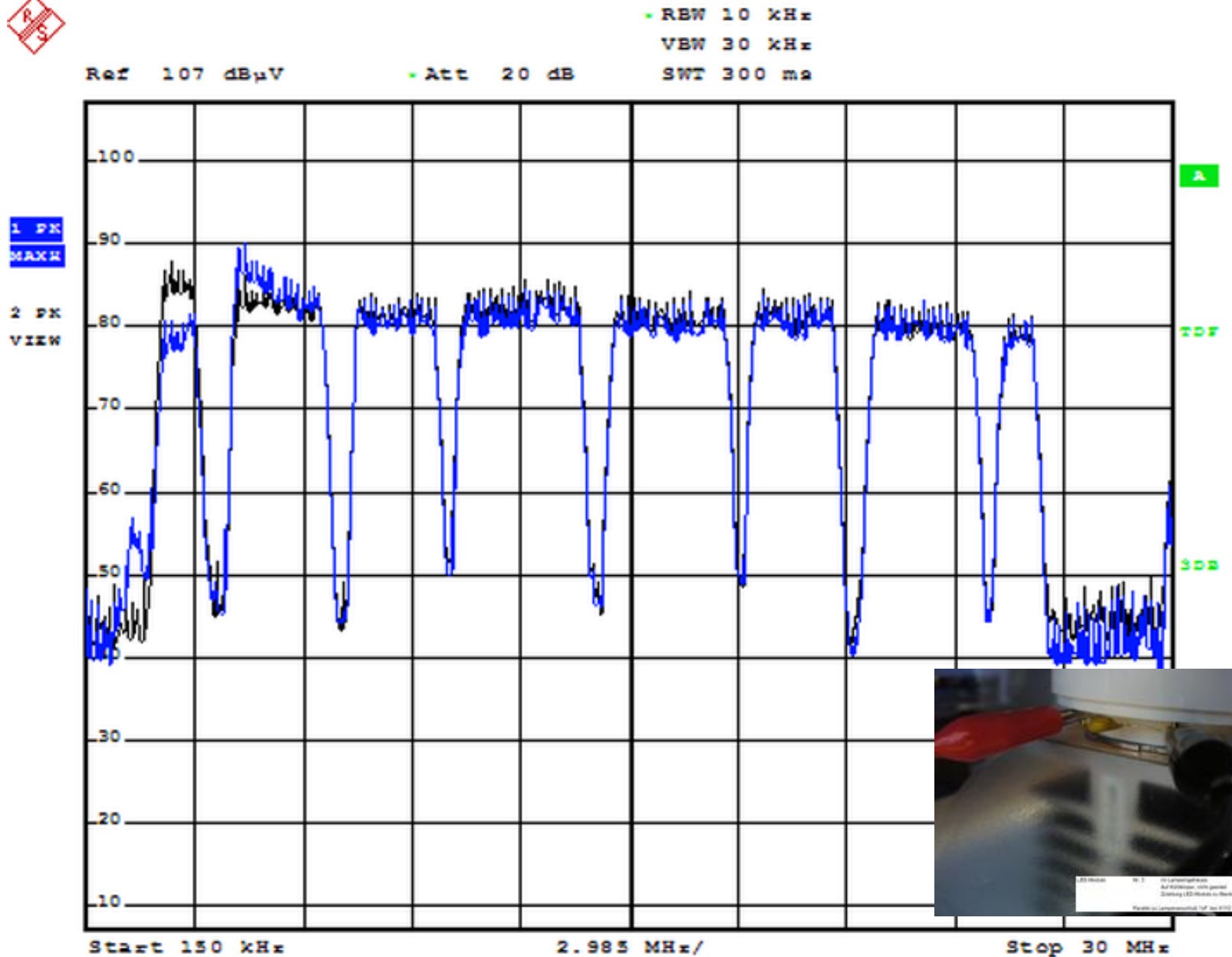




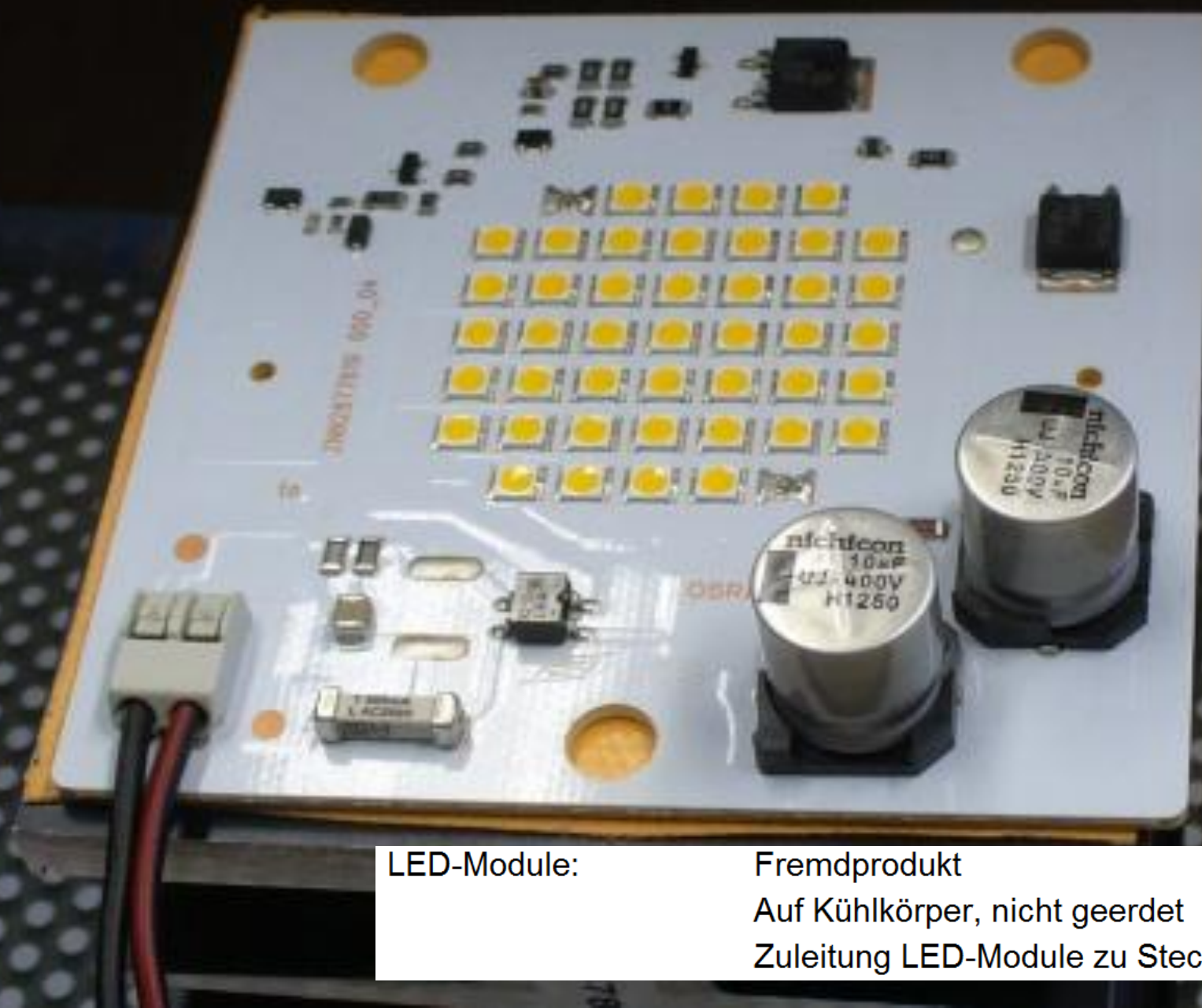


LED-Module:	Nr. 3	im Lampengehäuse Auf Kühlkörper, nicht geerdet Zuleitung LED-Module zu Steckdose 80cm
Parallel zu Lampenanschluß 1nF ker X1Y2 1kV bedrahtet		

# LED Module Nr. 3 amended







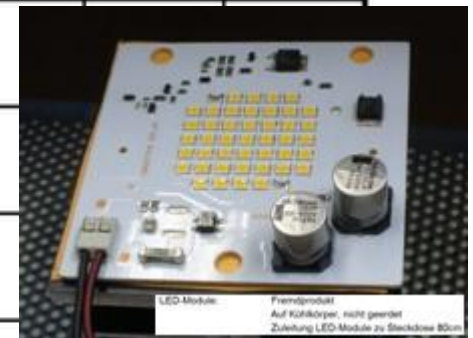
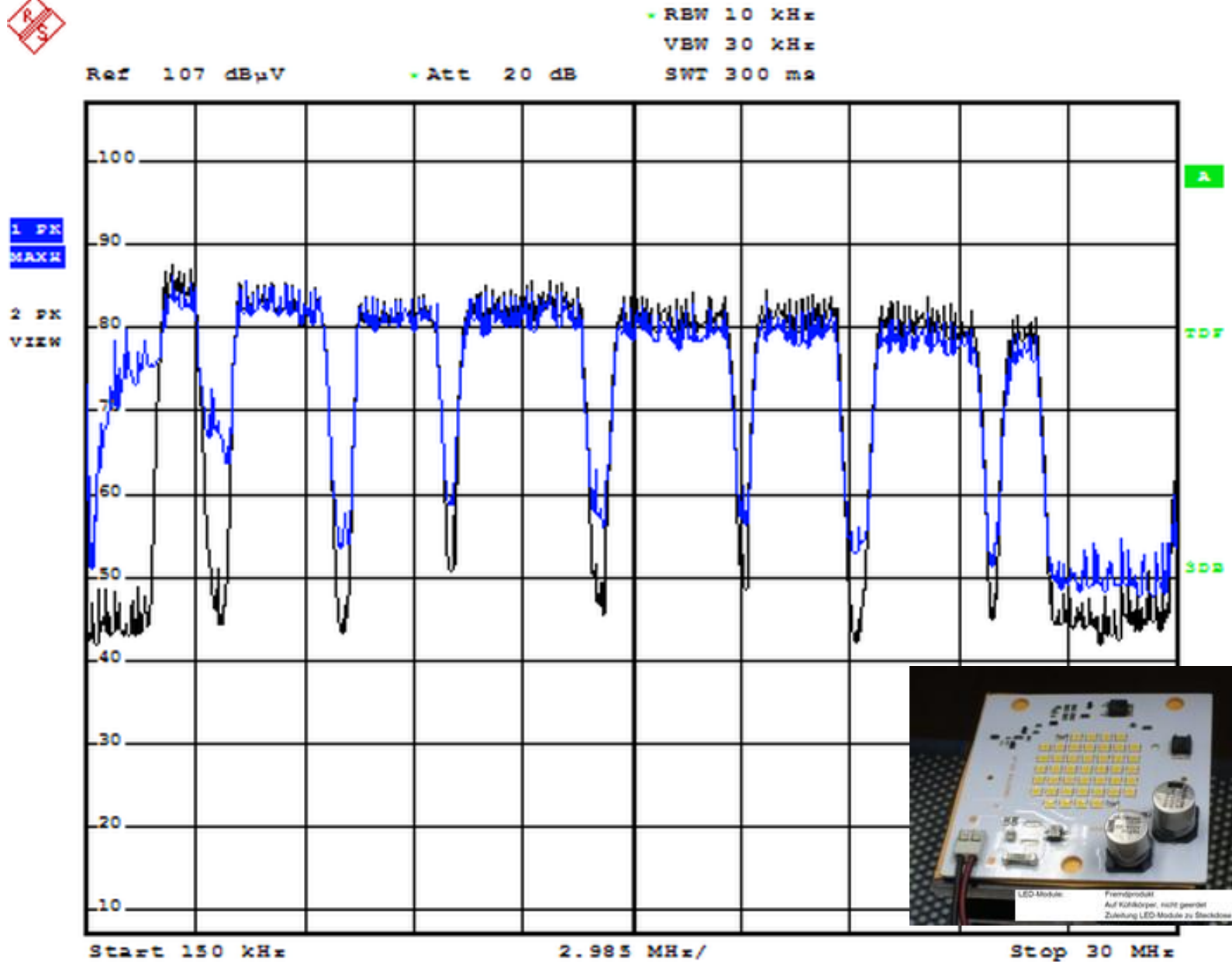
LED-Module:

Fremdprodukt

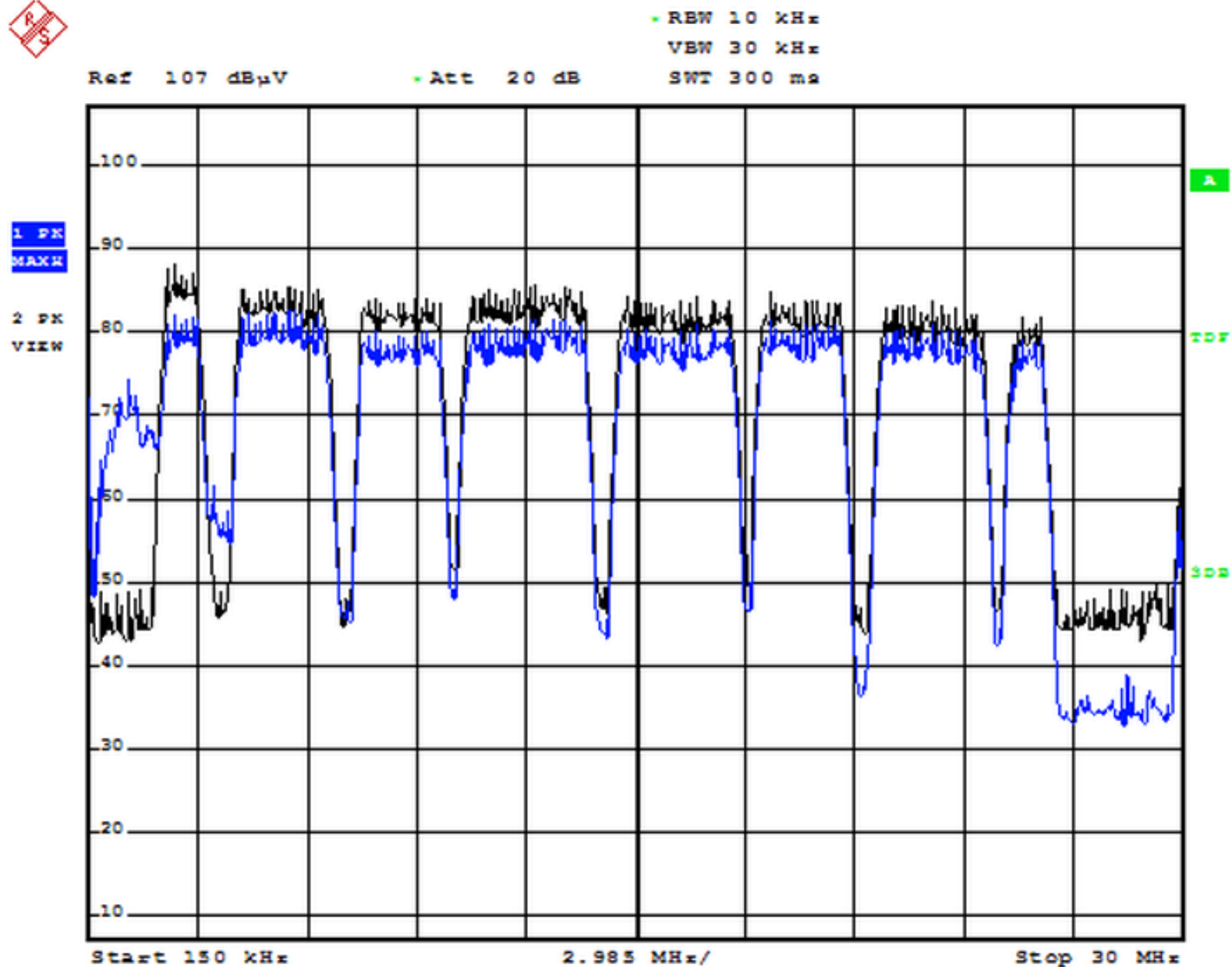
Auf Kühlkörper, nicht geerdet

Zuleitung LED-Module zu Steckdose 80cm

# OSRAM



# OSRAM – attempt to amend





# Seoul 17 W



Copy

RBW 10 kHz

VBW 30 kHz

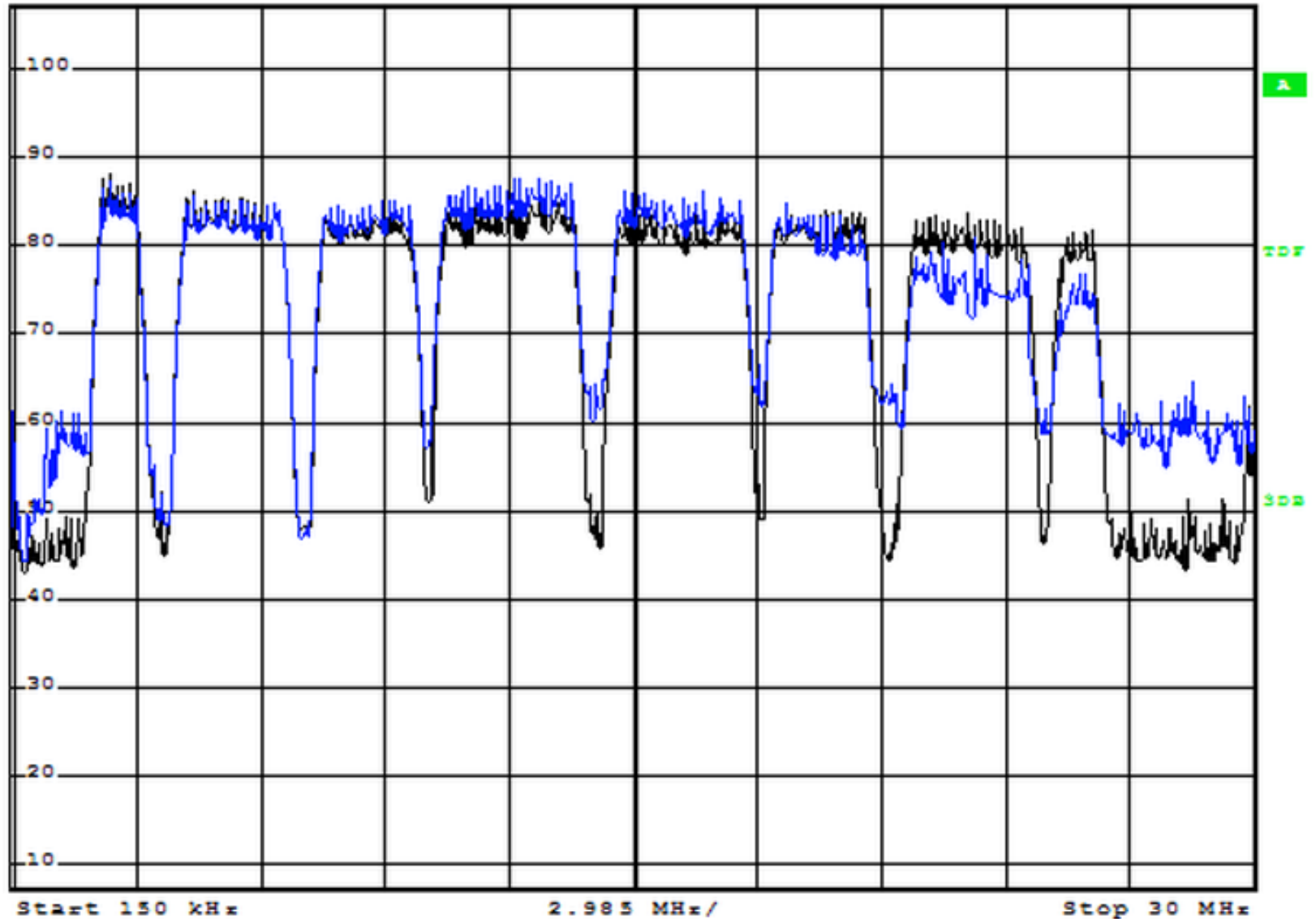
SWT 300 ms

Ref 107 dBμV

Att 20 dB

1 PK  
MAXH

2 PK  
VIEW



# Seoul 17 W – change in line length

