

Annex A: Photographs of the Test Set-up

Photo 1: Power Line Conducted Emission Test



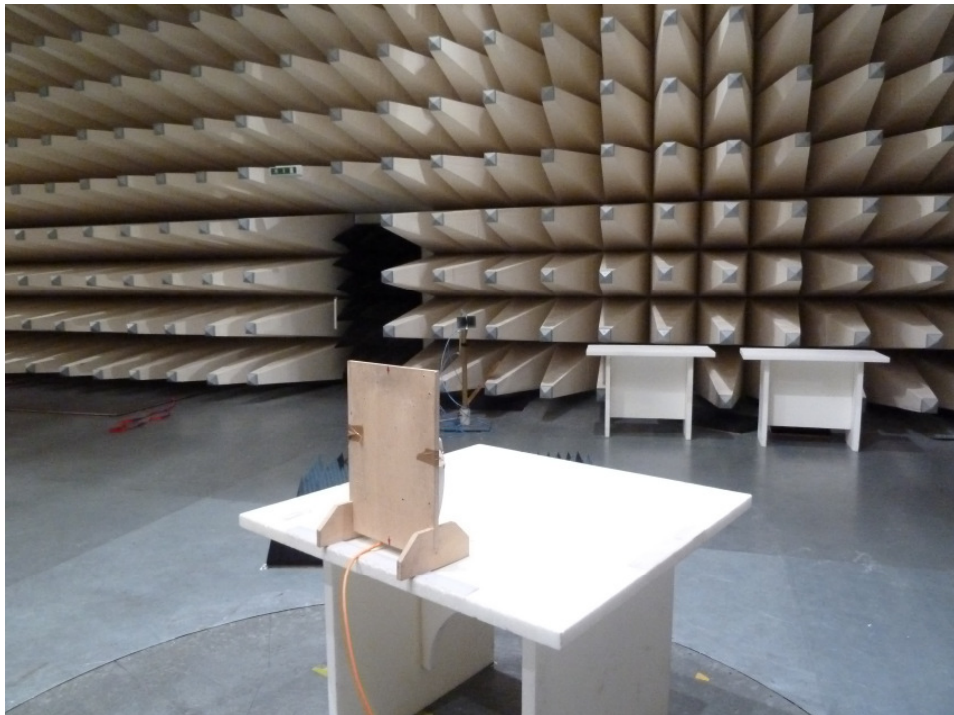
Photo 2: Power Line Conducted Emission Test



Photo 3: Radiated Emission



Photo 4: Radiated Emission



Annex B: External Photographs of the EUT

Photo 1:



Photo 2:



Annex C: Internal Photographs of the EUT

Photo 1:

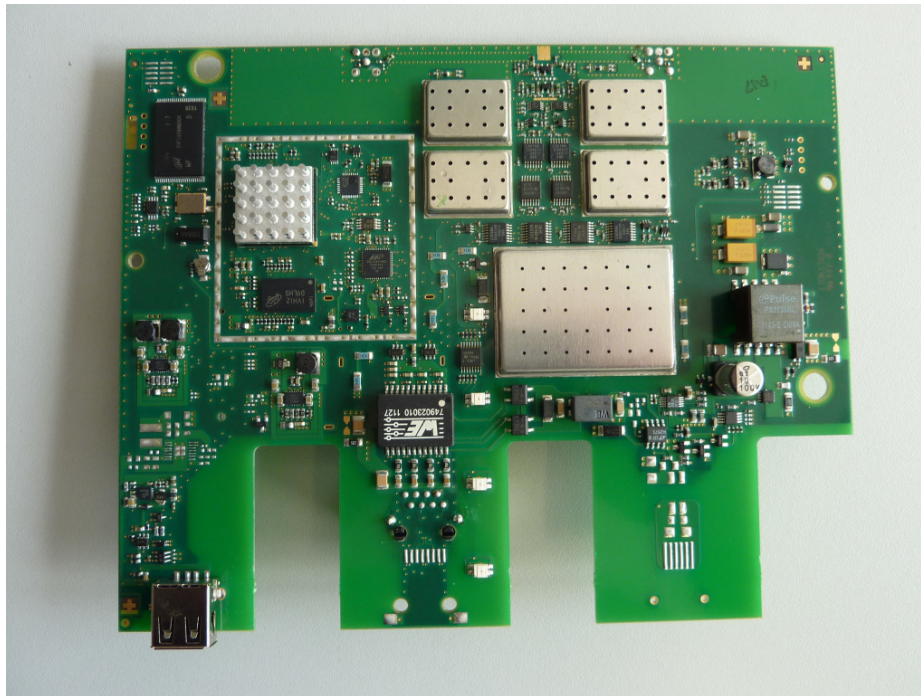


Photo 2:

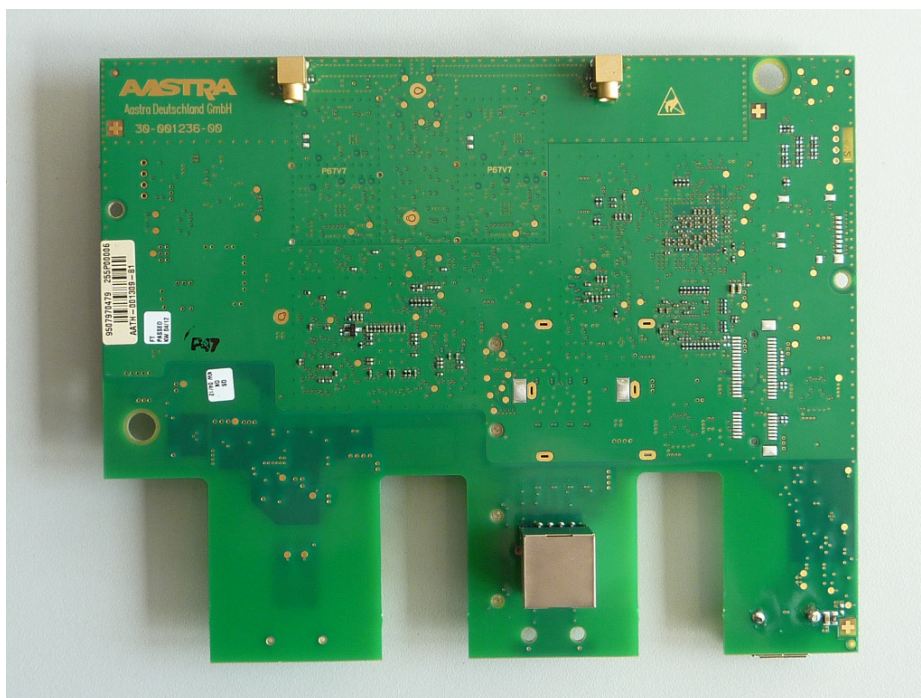


Photo 3:

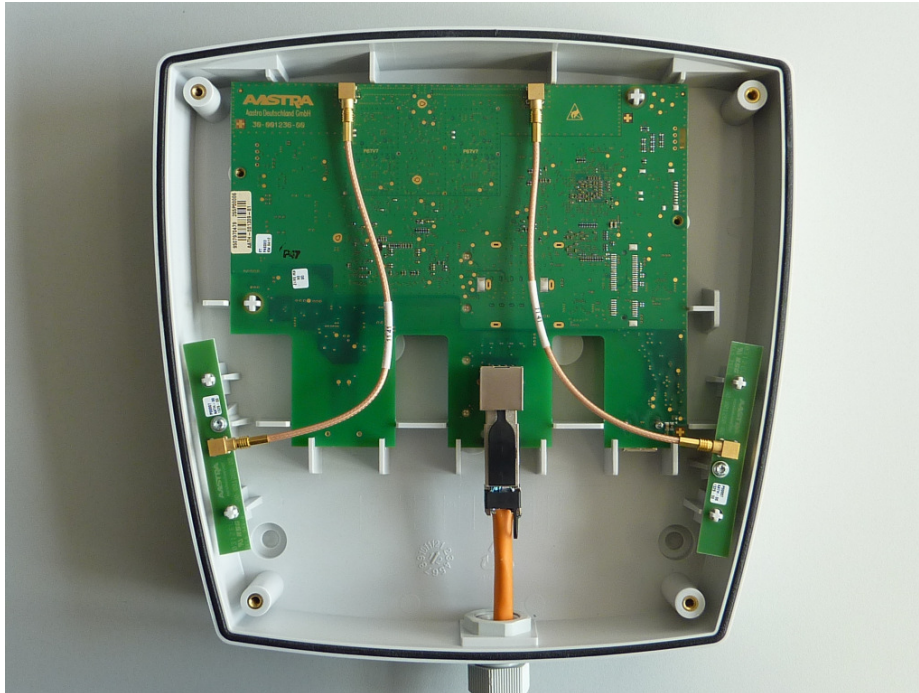


Photo 4:

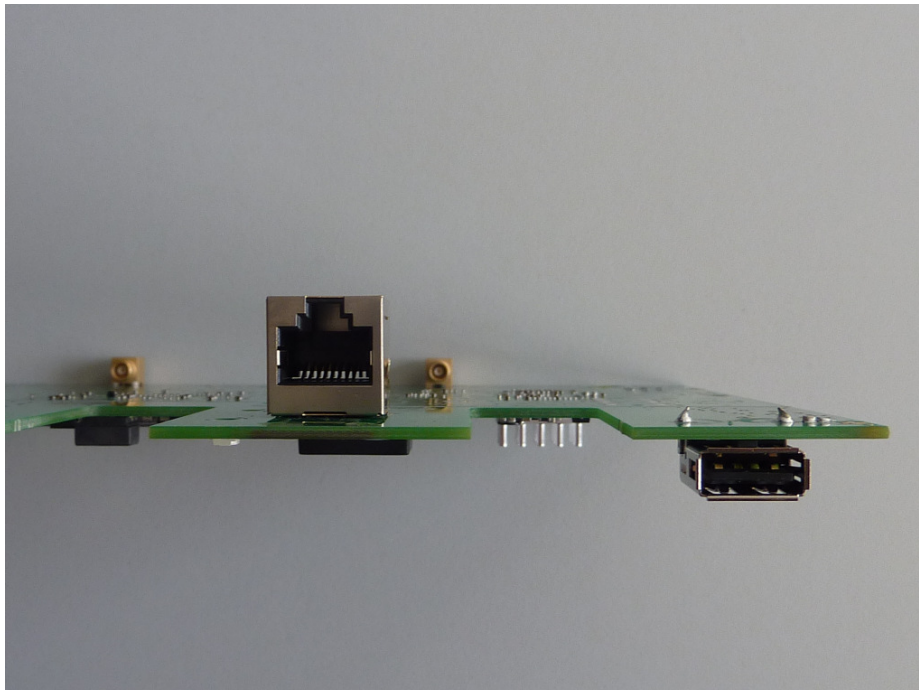


Photo 5:

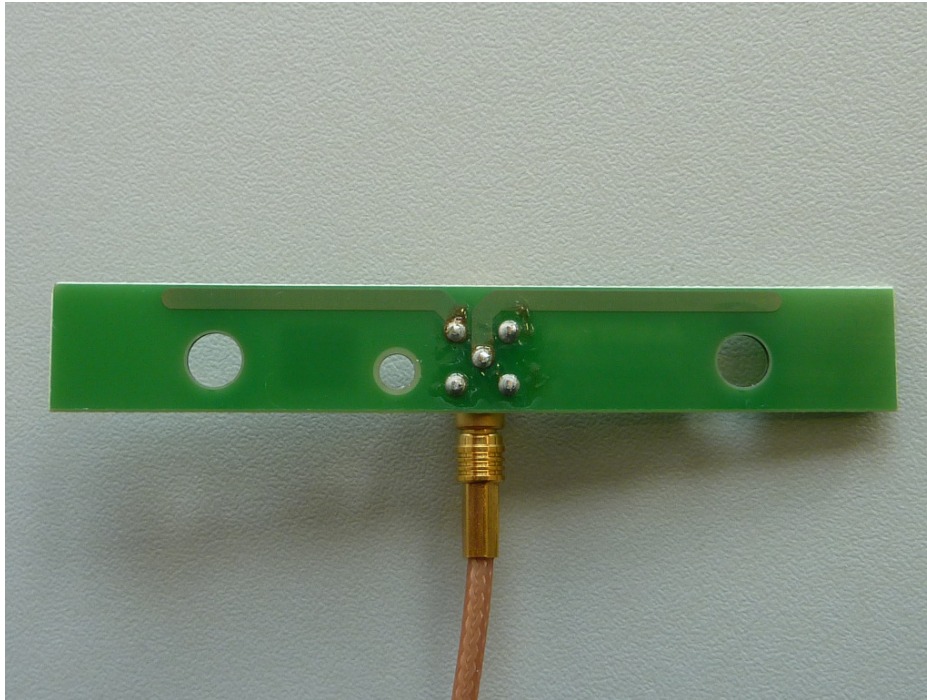


Photo 6:



Annex D: Document History

Version	Applied Changes	Date of Release
	Initial Release	2012-03-21

Annex E: Further Information

Glossary

DUT	-	Device under Test
EMC	-	Electromagnetic Compatibility
EUT	-	Equipment under Test
FCC	-	Federal Communication Commission
FCC ID	-	Company Identifier at FCC
HW	-	Hardware
IC	-	Industry Canada
Inv. No.	-	Inventory number
N/A	-	not applicable
S/N	-	Serial Number
SW	-	Software

Annex F: Safety exposure levels

Prediction of MPE limit at a given distance:

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = PG / 4\pi R^2$$

where: S = Power density

P = Power input to the antenna

G = Antenna gain

R = Distance to the center of radiation of the antenna

The table below is excerpted from Table 1B of 47 CFR 1.1310 titled "Limits for Maximum Permissible Exposure (MPE), Limits for General Population/Uncontrolled Exposure"

Frequency Range (MHz)	Power Density (mW/cm ²)	Averaging Time (minutes)
300 -1500	f/1500	30
1500 - 100000	1.0	30

where f = Frequency (MHz)

Prediction:

P	Max power input to the antenna:	18.26 dBm
P	Max power input to the antenna:	67.0 mW
R	Distance:	20 cm
G	Maximum antenna gain:	3.00 dBi
G	Maximum antenna gain:	2.0 numeric
S	MPE limit for uncontrolled exposure:	1 mW/cm ²

Calculated Power density: **0.0267 mW/cm²**
0.267 W/m²

This prediction demonstrates the following:

The power density levels at a distance of 20 cm are below the maximum levels allowed by FCC regulations

Annex G: Accreditation Certificate



Front side of the certificate



Back side of the certificate

Note: The current certificate including annex is published on our website (link see below) or may be received from CETECOM ICT Services on request

http://www.cetecom.com/fileadmin/de/CETECOM_D_Saarbruecken/accreditations_Jan_2010/DAKKS_Akkredit_Urk_EN17025-En_incl_Annex.pdf