

Annex 4: Set-up photographs to
TEST REPORT
 No.: 16-1-0109701T05a

According to:
FCC Regulations
 Part 24, Part 27, Part 15C - §15.207

IC-Regulations
 RSS-133 Issue 6, RSS-139 Issue 2
 RSS-130 Issue 1, RSS-Gen Issue 4

for

Gemalto M2M GmbH

ELS31-US LTE module

FCC-ID: QIPELS31-US
 IC: 7830A-ELS31US







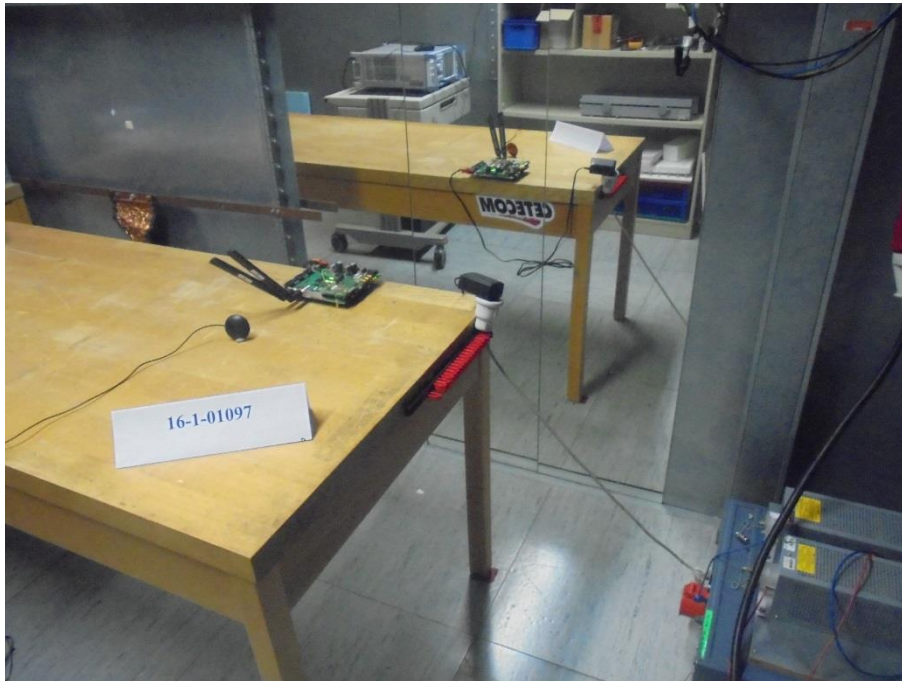
Laboratory Accreditation and Listings			
 DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	 FEDERAL COMMUNICATIONS COMMISSION FC U.S.A. MRA US-EU 0003	 Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
 WiFi ALLIANCE AUTHORIZED RF LABORATORY	 ctia Authorized Test Lab Lab Code: 20011130-00		
accredited according to DIN EN ISO/IEC 17025			
<p align="center"> CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com </p>			

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1. AC-mains measurement set-up

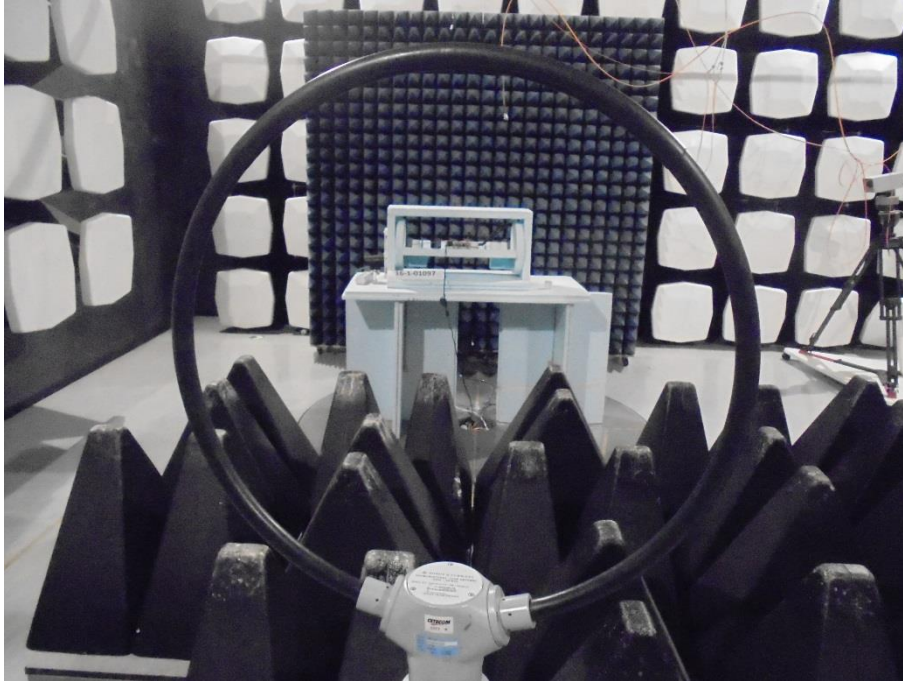
1.1. EMI measurements on AC-mains (120V/60Hz)



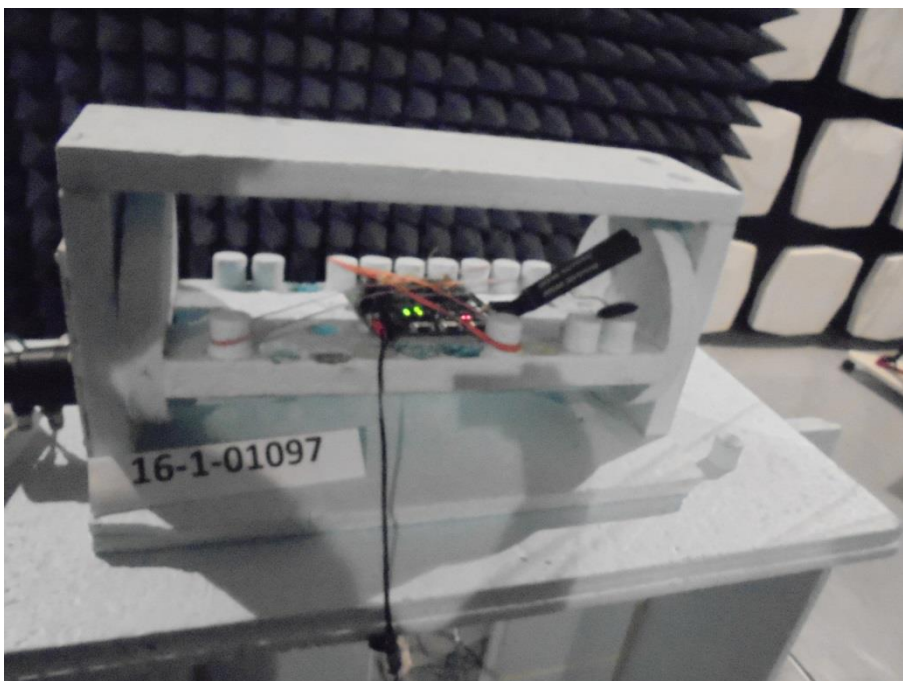
Photograph 1: overall view

2. Radiated RF-measurement set-up

2.1. Measurements of magnetic fields in range 9kHz to 30 MHz

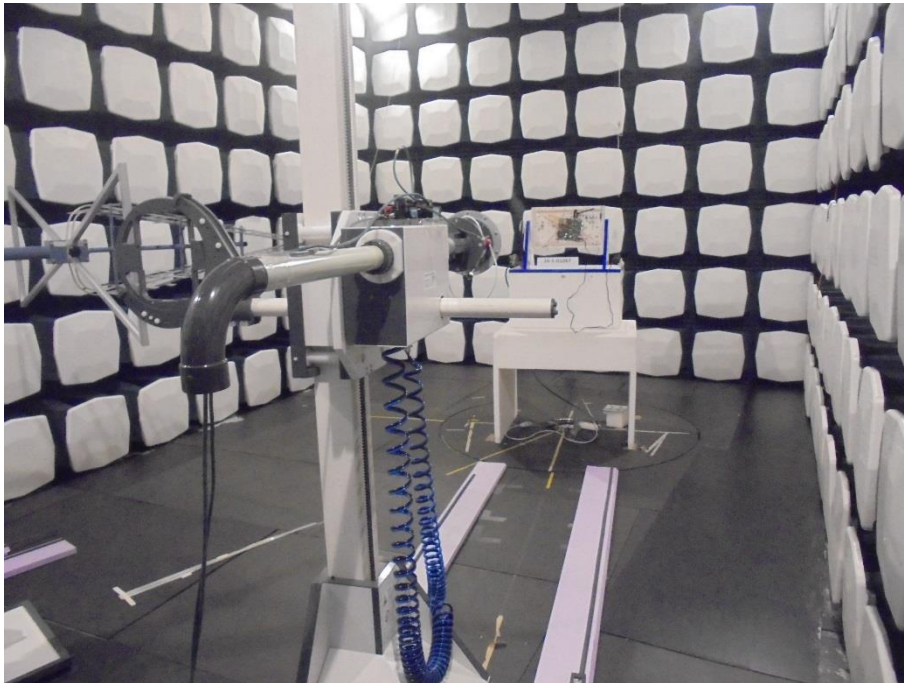


Photograph 2: overall view

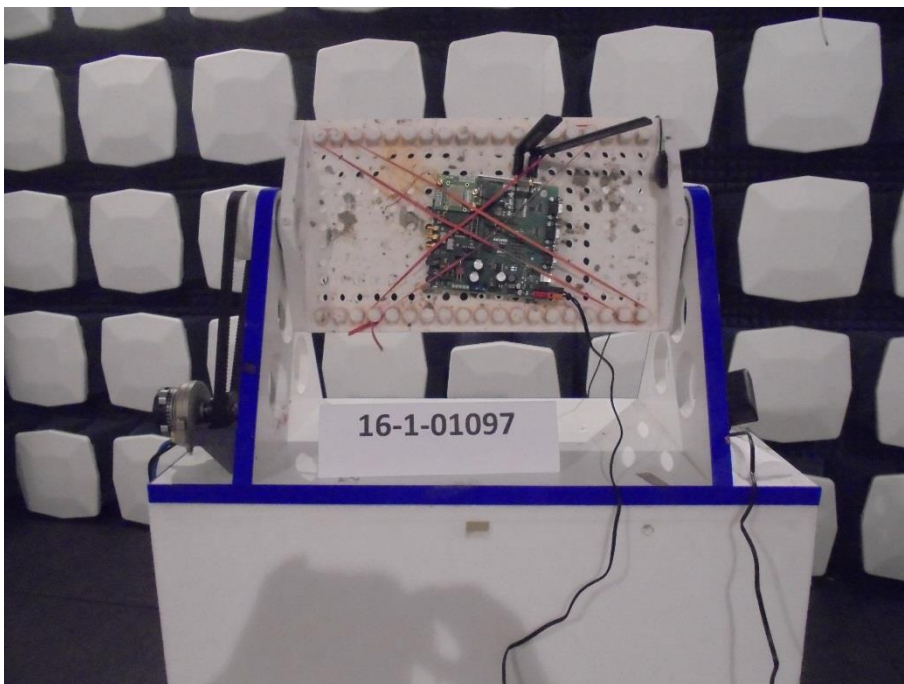


Photograph 3: close view

2.2. Measurements in range 30 MHz to 19.5GHz

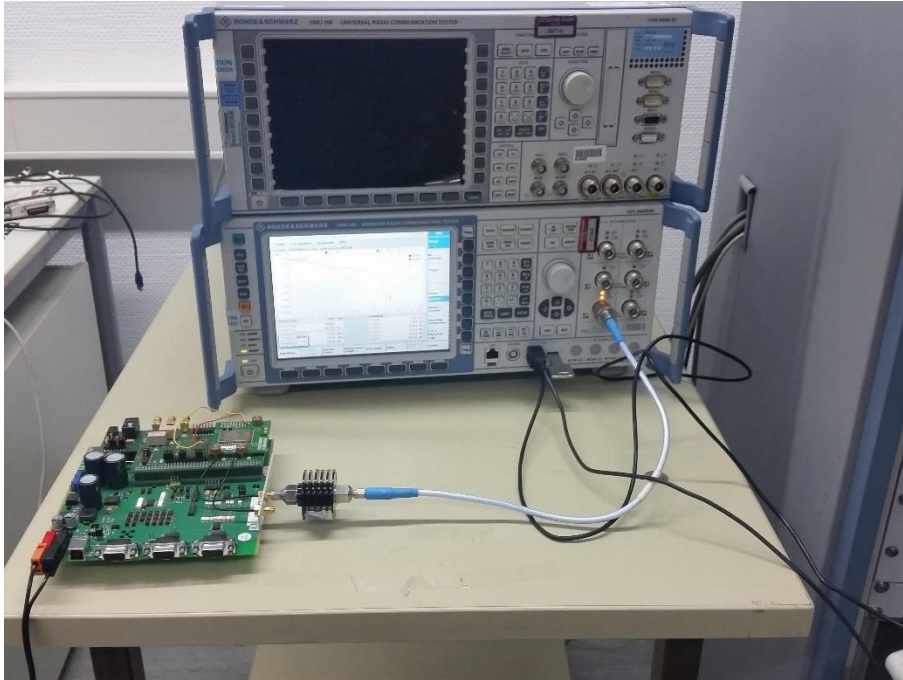


Photograph 4: overall view

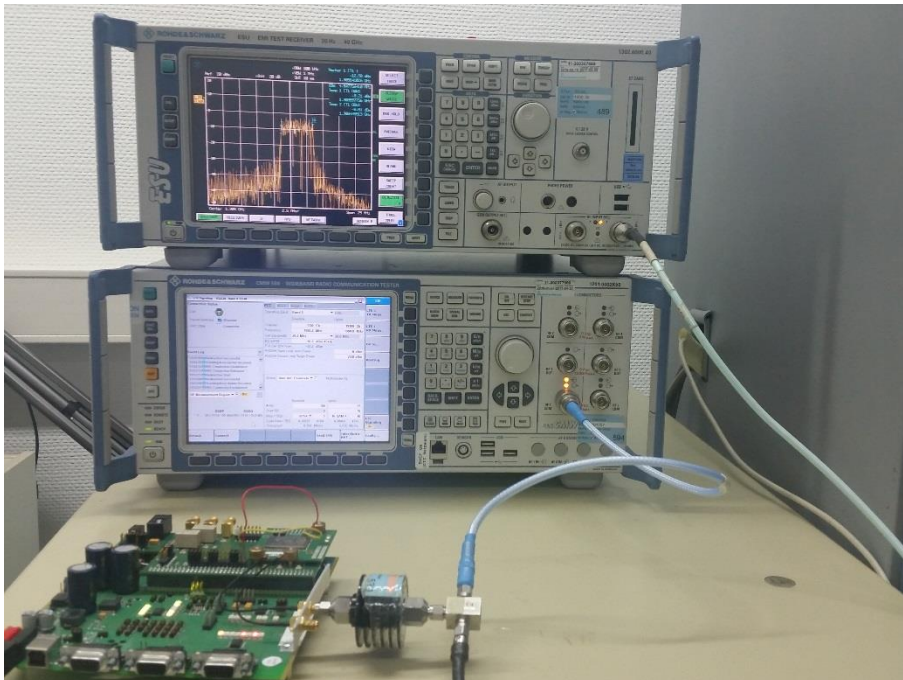


Photograph 5: close view

3. Conducted RF-measurements set-up



Photograph 6: Set-up for power measurements



Photograph 7: set-up for measurements with spectrum-analyser