



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMCCONS DR. RASEK GMBH & CO. KG<sup>1</sup>  
Moggast, Boelwiese 8  
91320 Ebermannstadt, GERMANY  
Dr.-Ing. Andreas Abach (Primary Contact) Phone: + 49 9194 9016  
Email: [a.abach@emcc.de](mailto:a.abach@emcc.de)  
Mrs. Patricia Scholl (Deputy Primary Contact) Phone: + 49 9194 9016  
Email: [p.scholl@emcc.de](mailto:p.scholl@emcc.de)  
Franz Hanske (Authorized Representative) Phone: + 49 9194 9016  
Email: [f.hanske@emcc.de](mailto:f.hanske@emcc.de)  
Winfried K. Hoffmann (Deputy Authorized Representative) Phone: + 49 9194 9016  
Email: [w.hoffmann@emcc.de](mailto:w.hoffmann@emcc.de)

ELECTRICAL

Valid To: August 31, 2013

Certificate Number: 2032.01

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility tests:

**Test Technology**

**Test Method(s)**

***Electrostatic Discharge (ESD)***

Test Set-up/Location Designation:  
*ID# 1308, ID# 1317, ID# 1319,  
ID# 1314, ID# 1209, ID# 1315,  
ID# 1309, ID# 1318, ID# 1311*

ISO 10605 (2008),  
ISO 10605 (2001);  
CS-11979 (2010) Sections 7.1, and 7.2;  
ES-XW7T-1A278-AC (CI 280);  
GMW3097 (2006) Sections 3.6.1, 3.6.2, 3.6.3,  
3.6.4 and 3.6.5;  
SAE J1113-13;  
GMW 3100 Section 3.2.1.2.4;  
EMC-CS-2009.1 (CI 280)

***RF Conducted Emissions***

Test Set-up/Location Designation:  
*ID# 1308, ID# 1317, ID# 1319, ID# 1311*

CISPR 25 (2002) Sections 6.2 and 6.3,  
CISPR 25 (2008) Sections 6.2 and 6.3;  
CS-11979 (2010) Sections 5.1 and 5.2;  
ES-XW7T-1A278-AC (CE420);  
GMW3097 (2006), Section 3.3.2;  
EMC-CS-2009.1 (CE 420)

***RF Radiated Emissions***

Test Set-up/Location Designation:  
*ID# 1311*

CISPR 25 (2002) Section 6.4,  
CISPR 25 (2008) Section 6.4;  
CS-11979 Section 5.3;  
ES-XW7T-1A278-AC (RE 310);  
GMW 3097 (2006) Section 3.3.1;  
SAE J1113-41;  
EMC-CS-2009.1 (RE 310)

**Test Technology**

***Bulk Current Injection (BCI)***

(Substitution Method)

Test Set-up/Location Designation:

*ID# 1308, ID# 1317, ID# 1319*

***Absorber-Lined Shielded Enclosure (ALSE)***

*(200 MHz to 3.2 GHz)*

Test Set-up/Location Designation:

*ID# 1311, ID# 1309*

***Absorber-lined Shielded Enclosure***

***Radar Pulse Only***

Test Set-up/Location Designation:

*ID# 1311, ID# 1309*

**Test Method(s)**

ISO 11452-4 (2005);  
CS-11979 (2010) Section 6.1;  
ES-XW7T-1A278-AC (RI 112);  
GMW3097 (2006) Section 3.4.1;  
SAE J1113-4;  
GMW 3100 Section 3.2.1.2.4;  
EMC-CS-2009.1 (RI 112)

ISO 11452-2 (2004);  
ES-XW7T-1A278-AC (RI 114);  
GMW3097 (2006) Section 3.4.2;  
CS-11979 Section 6.2;  
SAE J1113-21;  
EMC-CS-2009.1 (RI 114)

ISO 11452-2 (2004);  
ES-XW7T-1A278-AC (RI 114);  
GMW 3097 (2006) Section 3.4.2 ;  
EMC-CS-2009.1 (RI 114)

<sup>1</sup> This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory listed below:

EMCCONS DR. RASEK GMBH & CO. KG  
Stoernhofer Berg 15  
91364 Unterleinleiter, GERMANY

***Electrostatic Discharge (ESD)***

Test Set-up/Location Designation:

*ID# 1890,*

*ID# 1868, ID# 1889*

ISO 10605 (2008);  
ISO 10605 (2001);  
CS-11979 (2010) Sections 7.1 and 7.2;  
ES-XW7T-1A278-AC (CI 280) ;  
GMW3097 (2006) Sections 3.6.1, 3.6.2,  
3.6.3, 3.6.4 and 3.6.5 ;  
SAE J1113-13;  
GMW 3100 Section 3.2.1.2.4;  
EMC-CS-2009.1 (CI 280)

***RF Conducted Emissions***

Test Set-up/Location Designation:

*ID# 1868,*

CISPR 25 (2002) Sections 6.2 and 6.3;  
CISPR 25 (2008) Sections 6.2 and 6.3;  
CS-11979 (2010) Sections 5.1 and 5.2;  
ES-XW7T-1A278-AC (CE 420);  
GMW3097 (2006) Section 3.3.2;  
EMC-CS-2009.1 (CE 420)

**Test Technology**

***RF Radiated Emissions***

Test Set-up/Location Designation:  
ID# 1868

***Absorber-Lined Shielded Enclosure (ALSE)***  
*(200 MHz to 3.2 GHz)*

Test Set-up/Location Designation:  
ID# 1868

***Absorber-lined Shielded Enclosure***  
***Radar Pulse Only***

Test Set-up/Location Designation:  
ID# 1868

**Test Method(s)**

CISPR 25 (2002) Section 6.4,  
CISPR 25 (2008) Section 6.4;  
CS-11979 Section 5.3;  
ES-XW7T-1A278-AC (RE 310);  
GMW 3097 (2006) Section 3.3.1;  
SAE J1113-41;  
EMC-CS-2009.1 (RE 310)

ISO 11452-2 (2004);  
ES-XW7T-1A278-AC (RI 114);  
GMW3097 (2006) Section 3.4.2;  
CS-11979 Section 6.2;  
SAE J1113-21;  
EMC-CS-2009.1 (RI 114)

ISO 11452-2 (2004);  
ES-XW7T-1A278-AC (RI 114);  
GMW 3097 (2006) Section 3.4.2 ;  
EMC-CS-2009.1 (RI 114)



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## EMCCONS DR. RASEK GMBH & CO. KG

*Ebermannstadt, GERMANY*

for technical competence in the field of

### Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 20<sup>th</sup> day of October 2011.





President & CEO  
For the Accreditation Council  
Certificate Number 2032.01  
Valid to August 31, 2013

*For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*