



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL

Valid To: August 31, 2021

Certificate Number: 2032.01

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory at the location listed above *as well as the satellite laboratory location listed below* to perform the following automotive electromagnetic compatibility tests:

<u>Test Technology</u>	<u>Test Method(s)<sup>2,3</sup></u>	<u>Issue</u>	<u>Chapter</u>
<i>Electrostatic Discharge (ESD)</i>	ISO 10605	2001	
	ISO 10605	2008	
	ISO 10605		
	BMW GS95002-2	2013	5.9, 5.10, 5.11
	BMW GS95002-2		
	BMW GS95002-3	2015	7.3
	BMW GS95002-3		
	Chrysler CS-11979	2010	7.0, 7.1, 7.2
	Chrysler CS-11979		
	Chrysler CS-11809	2009	7.0, 7.1, 7.2
	Chrysler CS-11809		
	Daimler/Chrysler DC11224	2007	10, 10.1, 10.2
	Daimler/Chrysler DC11224		
	FCA CS.00054	2015	5.10
	FCA CS.00054		
	Fiat 9.90110	2007	3.9.11
	Fiat 9.90110		
	Fiat 9.90111-01	2012	7
	Fiat 9.90111-01		
	Ford ES-XW7T-1A278-AC	2003	CI280
	Ford EMC CS-2009.1	2010	CI280
	Ford FMC1278	2015	CI280
	Ford FMC 1278	2016	CI280
	Ford FMC 1278	2018	CI280
	Ford FMC 1278		
	GMW3097	2006	3.6

**Test Technology*****Electrostatic Discharge (ESD)*****(Cont)****Test Method(s)<sup>2,3</sup>****Issue****Chapter**

GMW3097	2012	3.6
GMW3097	2015	3.6
GMW3097	2019	3.6
GMW3097		
Hyundai ES96200-00 [L]	2014	9
Hyundai ES96200-00 [N]	2015	9
Hyundai ES96200-00 [O]	2016	8
Hyundai ES96200-00		
EMC CS-2010JLR_v1.2	2012	CI280
JLR-EMC-CS v1.0 Amendment 3	2014	CI280
JLR-EMC-CS v1.0 Amendment 4	2015	CI280
JLR-EMC-CS v1.0		
John Deere JDQ 202	2015	9, 10, 11
John Deere JDQ 202	2017	9, 10, 11
John Deere JDQ 202		
MAN M 3285	2011	9
MAN M 3285	2017	8
MAN M 3285		
Mercedes Benz MBN 10284-2	2008	17, 18, 19
Mercedes Benz MBN 10284-2	2011	17, 18, 19
Mercedes Benz MBN 10284-2	2015	18, 19, 20
Mercedes Benz MBN 10284-2		
Mercedes Benz MBN 10284-4	2011	16, 17, 18
Mercedes Benz MBN 10284-4		
MES PW 67602 C	2015	CI280
MES PW 67602 C		
Mitsubishi ES-X82114_Rev D	2009	10
Mitsubishi ES-X82114		
Nissan 28400 NDS91 [1]	2012	IR03, IR04
Nissan 28400 NDS91		
Nissan 28401 NDS02 [5]	2010	IR03, IR04
Nissan 28401 NDS02 [6]	2013	IR03, IR04
Nissan 28401 NDS02 [8]	2016	IR03, IR04, IR04bis
Nissan 28401 NDS02		
PACCAR CTS0019	2014	
PACCAR CTS0019		
PSA B21 7110 [C]	2008	IR03, IR04
PSA B21 7110 [D]	2012	IR03, IR04
PSA B21 7110 [E]	2015	IR03, IR04
PSA B21 7110 [F]	2019	IR03, IR04
PSA B21 7110		
Renault 36-00-808 [--L]	2010	IR03, IR04
Renault 36-00-808 [--M]	2012	IR03, IR04
Renault 36-00-808 [--N]	2016	IR03, IR04
Renault 36-00-808		
SAE J1113-13	2015	
SAE J1113-13		
STD 515-0003, Vers 4	2009	8
STD 515-0003		
VW TL 82466	2009	

<u>Test Technology</u>	<u>Test Method(s)<sup>2,3</sup></u>	<u>Issue</u>	<u>Chapter</u>
<i>Electrostatic Discharge (ESD)</i>			
(Cont)	VW TL 82466		
	VW TL 81000	2013	3.1
	VW TL 81000	2014	3.1
	VW TL 81000	2016	3.1
	VW TL 81000	2018	5.1
	VW TL 81000		
<i>RF Conducted Emissions</i>	CISPR 25	2008	6.2, 6.3
	CISPR 25	2002	6.2, 6.3
	CISPR 25	2016	6.3, 6.4
	CISPR 25		
	BMW GS95002-2	2013	4.2, 4.5
	BMW GS95002-2		
	BMW GS95002-3	2015	7.1.1, 7.2.1
	BMW GS95002-3		
	BMW GS95002-5	2013	4.2
	BMW GS95002-5		
	Chrysler CS-11979	2010	5.1, 5.2
	Chrysler CS-11979		
	Chrysler CS-11809	2009	5.1, 5.2
	Chrysler CS-11809		
	Daimler/Chrysler DC11224	2007	6.2, 6.3
	Daimler/Chrysler DC11224		
	FCA CS.00054	2015	5.6.1, 5.6.2
	FCA CS.00054		
	Fiat 9.90110	2007	3.9.12.2
	Fiat 9.90110		
	Fiat 9.90111-01	2012	5.1, 5.2
	Fiat 9.90111-01		
	Ford ES-XW7T-1A278-AC	2003	CE420
	Ford EMC CS-2009.1	2010	CE420, CE421
	Ford FMC1278	2015	CE420, CE421
	Ford FMC1278	2016	CE420, CE421
	Ford FMC1278	2018	CE420, CE421
	Ford FMC1278		
	GMW3097	2006	3.3.2
	GMW3097	2012	3.3.2
	GMW3097	2015	3.3.2
	GMW3097	2019	3.3.2
	GMW3097		
	Hyundai ES96200-00 [L]	2014	6
	Hyundai ES96200-00 [N]	2015	6
	Hyundai ES96200-00 [O]	2016	5.2, 5.3
	Hyundai ES96200-00		
	EMC CS-2010JLR_v1.2	2012	CE420, CE421
	JLR-EMC-CS v1.0 Amendment 3	2014	CE420
	JLR-EMC-CS v1.0 Amendment 4	2015	CE420
	JLR-EMC-CS v1.0		
	John Deere JDQ 203	2013	7
	John Deere JDQ 203	2018	7

**Test Technology**  
***RF Conducted Emissions***  
**(Cont)**

<b><u>Test Method(s)<sup>2,3</sup></u></b>	<b><u>Issue</u></b>	<b><u>Chapter</u></b>
John Deere JDQ 203		
MAN M 3285	2011	6.4
MAN M 3285	2017	6.3
MAN M 3285		
Mercedes Benz MBN 10284-2	2008	6
Mercedes Benz MBN 10284-2	2011	6
Mercedes Benz MBN 10284-2	2015	6
Mercedes Benz MBN 10284-2		
Mercedes Benz MBN 10284-4	2011	6
Mercedes Benz MBN 10284-4		
MES PW 67602 C	2015	CE420, CE421, CE422
MES PW 67602 C		
Mitsubishi ES-X82114, Rev D	2009	6.3, 6.4
Mitsubishi ES-X82114		
Nissan 28400 NDS91 [1]	2012	MC02, MC03
Nissan 28400 NDS91		
Nissan 28401 NDS02 [5]	2010	MC02, MC03
Nissan 28401 NDS02 [6]	2013	MC02, MC03
Nissan 28401 NDS02 [8]	2016	MC02, MC03
Nissan 28401 NDS02		
PACCAR CPP0193	2011	
PACCAR CPP0193		
PSA B21 7110 [C]	2008	MC02, MC03, MC04
PSA B21 7110 [D]	2012	MC02, MC03, MC04
PSA B21 7110 [E]	2015	MC02, MC03, MC04
PSA B21 7110 [F]	2019	MC02, MC03, MC03bis, MC04
PSA B21 7110		
Renault 36-00-808 [--L]	2010	MC02, MC03
Renault 36-00-808 [--M]	2012	MC02, MC03
Renault 36-00-808 [--N]	2016	MC02, MC03
Renault 36-00-808		
SAE J1113-41	2000	5
SAE J1113-41		
STD 515-0003, Vers 4	2009	4.2
STD 515-0003		
VW TL965	2009	5.1, 5.3
VW TL965	2012	5.3, 5.4
VW TL965		
VW TL 81000	2013	3.3.5, 3.3.9
VW TL 81000	2014	3.3.5, 3.3.9
VW TL 81000	2016	3.3.5, 3.3.8
VW TL 81000	2018	5.3.5, 5.3.8
VW TL 81000		
<b><i>RF Radiated Emissions</i></b>		
CISPR 25	2008	6.4
CISPR 25	2002	6.4
CISPR 25	2016	6.5
CISPR 25		

**Test Technology**  
***RF Radiated Emissions (Cont)***

<b><u>Test Method(s)<sup>2,3</sup></u></b>	<b><u>Issue</u></b>	<b><u>Chapter</u></b>
BMW GS95002-2	2013	4.3
BMW GS95002-2		
BMW GS95002-3	2015	7.2.2
BMW GS95002-3		
BMW GS95002-5	2013	4.3, 4.4
BMW GS95002-5		
Chrysler CS-11979	2010	5.3
Chrysler CS-11979		
Chrysler CS-11809	2009	5.3
Chrysler CS-11809		
Daimler/Chrysler DC11224	2007	6.4
Daimler/Chrysler DC11224		
FCA CS.00054	2015	5.6.3
FCA CS.00054		
Fiat 9.90110	2007	3.9.12.1
Fiat 9.90110		
Fiat 9.90111-01	2012	5.3
Fiat 9.90111-01		
Ford ES-XW7T-1A278-AC	2003	RE310
Ford EMC CS-2009.1	2010	RE310
Ford FMC1278	2015	RE310
Ford FMC1278	2016	RE310
Ford FMC1278	2018	RE310, RE320
Ford FMC1278		
GMW3097	2006	3.3.1
GMW3097	2012	3.3.1
GMW3097	2015	3.3.1
GMW3097	2019	3.3.1
GMW3097		
Hyundai ES96200-00 [L]	2014	5
Hyundai ES96200-00 [N]	2015	5
Hyundai ES96200-00 [O]	2016	5.1
Hyundai ES96200-00		
JLR-EMC CS-2010JLR_v1.2	2012	RE310
JLR-EMC-CS v1.0 Amendment 3	2014	RE310
JLR-EMC-CS v1.0 Amendment 4	2015	RE310
JLR-EMC-CS v1.0		
John Deere JDQ 203	2013	8, 9
John Deere JDQ 203	2018	8, 9
John Deere JDQ 203		
MAN M 3285	2011	6.5
MAN M 3285		
Mercedes Benz MBN 10284-2	2008	9
Mercedes Benz MBN 10284-2	2011	8
Mercedes Benz MBN 10284-2	2015	7
Mercedes Benz MBN 10284-2		
Mercedes Benz MBN 10284-4	2011	8
Mercedes Benz MBN 10284-4		
MES PW 67602 C	2015	RE310
MES PW 67602 C		
Mitsubishi ES-X82114, Rev D	2009	6.5

<u>Test Technology</u>	<u>Test Method(s)<sup>2,3</sup></u>	<u>Issue</u>	<u>Chapter</u>
<b>RF Radiated Emissions (Cont)</b>	Mitsubishi ES-X82114		
	Nissan 25915 NDS23 [N]	2010	-
	Nissan 25915 NDS23		
	Nissan 28400 NDS91 [1]	2012	MR01
	Nissan 28400 NDS91		
	Nissan 28401 NDS02 [5]	2010	MR01
	Nissan 28401 NDS02 [6]	2013	MR01
	Nissan 28401 NDS02 [8]	2016	MR01
	Nissan 28401 NDS02		
	PACCAR CPP0191	2012	
	PACCAR CPP0191		
	PSA B21 7110 [C]	2008	MR01
	PSA B21 7110 [D]	2012	MR01
	PSA B21 7110 [E]	2015	MR01
	PSA B21 7110 [F]	2019	MR01
	PSA B21 7110		
	Renault 36-00-808 [--M]	2012	MR01
	Renault 36-00-808 [--L]	2010	MR01
	Renault 36-00-808 [--N]	2016	MR01
	Renault 36-00-808		
	SAE J1113-41	2000	7
	SAE J1113-41		
	STD 515-0003, Vers 4	2009	6.2
	STD 515-0003		
	VW TL965	2012	5.4
	VW TL965	2009	5.3
	VW TL965		
	VW TL 81000	2013	3.3.6
	VW TL 81000	2014	3.3.6
	VW TL 81000	2016	3.3.6
	VW TL 81000	2018	5.3.6, 5.3.10
	VW TL 81000		
<b>Absorber-Lined Shielded Enclosure (ALSE)</b> (up to 18 GHz, incl. Radar Pulse)	ISO 11452-2	2004	
	ISO 11452-2	2019	
	ISO 11452-2		
		2013	5.3
	BMW GS95002-2		
	Chrysler CS-11979	2010	6.2
	Chrysler CS-11979		
	Chrysler CS-11809	2009	6.2
	Chrysler CS-11809		
	Daimler/Chrysler DC11224	2007	7.3, 7.4
	Daimler/Chrysler DC11224		
	FCA CS.00054	2015	5.8.2
	FCA CS.00054		
	Fiat 9.90110	2007	3.9.9
	Fiat 9.90110		
	Fiat 9.90111-01	2012	6.2
Fiat 9.90111-01			
Ford ES-XW7T-1A278-AC	2003	RI114	

<u>Test Technology</u>	<u>Test Method(s)<sup>2,3</sup></u>	<u>Issue</u>	<u>Chapter</u>
<i>Absorber-Lined Shielded Enclosure (ALSE) (Cont.)</i> (up to 18 GHz, incl. Radar Pulse) (Cont.)	Ford EMC CS-2009.1	2010	RI114
	Ford FMC1278	2015	RI114
	Ford FMC1278	2016	RI114
	Ford FMC1278	2018	RI114
	Ford FMC1278		
	GMW3097	2006	3.4.2
	GMW3097	2012	3.4.2
	GMW3097	2015	3.4.2
	GMW3097	2019	3.4.2
	GMW3097		
	Hyundai ES96200-00 [L]	2014	4
	Hyundai ES96200-00 [N]	2015	4
	Hyundai ES96200-00 [O]	2016	4.2
	Hyundai ES96200-00		
	EMC CS-2010JLR_v1.2	2012	RI114
	JLR-EMC-CS v1.0 Amendment 3	2014	RI114
	JLR-EMC-CS v1.0 Amendment 4	2015	RI114
	JLR-EMC-CS v1.0		
	John Deere JDQ 203	2013	5, 6
	John Deere JDQ 203	2018	5, 6
	John Deere JDQ 203		
	MAN M 3285	2011	6.6.2
	MAN M 3285	2017	6.5.2
	MAN M 3285		
	Mercedes Benz MBN 10284-2	2008	13
	Mercedes Benz MBN 10284-2	2011	13
	Mercedes Benz MBN 10284-2	2015	13
	Mercedes Benz MBN 10284-2		
	Mercedes Benz MBN 10284-4	2011	12
	Mercedes Benz MBN 10284-4		
	MES PW 67602 C	2015	RI114
	MES PW 67602 C		
	Mitsubishi ES-X82114, Rev D	2009	7.4, 7.5
	Mitsubishi ES-X82114		
	Nissan 28401 NDS91 [1]	2012	IR01
	Nissan 28401 NDS91		
	Nissan 28401 NDS02 [5]	2010	IR01
	Nissan 28401 NDS02 [6]	2013	IR01
	Nissan 28401 NDS02 [8]	2016	IR01
	Nissan 28401 NDS02		
	PACCAR CPP0190	2011	
	PACCAR CPP0190		
	PSA B21 7110 [C]	2008	IR01
	PSA B21 7110 [D]	2012	IR01
	PSA B21 7110 [E]	2015	IR01
	PSA B21 7110 [F]	2019	IR01
	PSA B21 7110		
	Renault 36-00-808 [--M]	2012	IR01
	Renault 36-00-808 [--L]	2010	IR01
	Renault 36-00-808 [--N]	2016	IR01

<u>Test Technology</u>	<u>Test Method(s)<sup>2,3</sup></u>	<u>Issue</u>	<u>Chapter</u>
<b>Absorber-Lined Shielded Enclosure (ALSE) (Cont.)</b> (up to 18 GHz, incl. Radar Pulse) (Cont.)	Renault 36-00-808	2005	
	SAE J1113-21		
	SAE J1113-21		
	STD 515-0003, Vers 4	2009	7.3
	STD 515-0003		
	VW TL 82166	2011	6.2
	VW TL 82166		
	VW TL 81000	2013	3.2.3
	VW TL 81000	2014	3.2.3
	VW TL 81000	2016	3.2.3
	VW TL 81000	2018	5.2.3
VW TL 81000			
<b>Bulk Current Injection (BCI)</b>	ISO 11452-4	2005	
	ISO 11452-4	2011	
	ISO 11452-4		
	BMW GS95002-2	2013	5.2, 5.5
	BMW GS95002-2		
	Chrysler CS-11809	2009	6.1
	Chrysler CS-11809		
	Chrysler CS-11979	2010	6.1
	Chrysler CS-11979		
	Daimler/Chrysler DC11224	2007	7.2
	Daimler/Chrysler DC11224		
	FCA CS.00054	2015	5.8.1
	FCA CS.00054		
	Fiat 9.90110	2007	3.9.8
	Fiat 9.90110		
	Fiat 9.90111-01	2012	6.1
	Fiat 9.90111-01		
	Ford ES-XW7T-1A278-AC	2003	RI112
	Ford EMC CS-2009.1	2010	RI112
	Ford FMC1278	2015	RI112
	Ford FMC1278	2016	RI112
	Ford FMC1278	2018	RI112
	Ford FMC1278		
	GMW3097	2006	3.4.1
	GMW3097	2012	3.4.1
	GMW3097	2015	3.4.1
	GMW3097	2019	3.4.1
GMW3097			
Hyundai ES96200-00 [L]	2014	4	
Hyundai ES96200-00 [N]	2015	4	
Hyundai ES96200-00 [O]	2016	4.1	
Hyundai ES96200-00			
JLR-EMC CS-2010JLR_v1.2	2012	RI112	
JLR-EMC-CS v1.0 Amendment 3	2014	RI112	
JLR-EMC-CS v1.0 Amendment 4	2015	RI112	
JLR-EMC-CS v1.0			
John Deere JDQ 203	2013	5	



<u>Test Technology</u>	<u>Test Method(s)<sup>2,3</sup></u>	<u>Issue</u>	<u>Chapter</u>
<b>Bulk Current Injection (BCI)</b> (Cont.)	John Deere JDQ 203	2018	5
	John Deere JDQ 203		
	MAN M 3285	2011	6.6.4
	MAN M 3285	2017	6.5.3
	MAN M 3285		
	Mercedes Benz MBN 10284-2	2008	12
	Mercedes Benz MBN 10284-2	2011	12
	Mercedes Benz MBN 10284-2	2015	12
	Mercedes Benz MBN 10284-2		
	Mercedes Benz MBN 10284-4	2011	11
	Mercedes Benz MBN 10284-4		
	MES PW 67602 C	2015	RI112
	MES PW 67602 C		
	Mitsubishi ES-X82114, Rev D	2009	7.3
	Mitsubishi ES-X82114		
	Nissan 28400 NDS05 [8]	2007	1
	Nissan 28400 NDS05		
	Nissan 28400 NDS91 [1]	2012	IC08
	Nissan 28400 NDS91		
	Nissan 28401 NDS02 [5]	2010	IC08
	Nissan 28401 NDS02 [6]	2013	IC08
	Nissan 28401 NDS02 [8]	2016	IC08
	Nissan 28401 NDS02		
	PACCAR CPP0190	2011	
	PACCAR CPP0190		
	PSA B21 7110 [D]	2012	IC08
	PSA B21 7110 [C]	2008	IC08
	PSA B21 7110 [E]	2015	IC08
	PSA B21 7110 [F]	2019	IC08
	PSA B21 7110		
	Renault 36-00-808 [--L]	2010	IC08
	Renault 36-00-808 [--M]	2012	IC08
	Renault 36-00-808 [--N]	2016	IC08
	Renault 36-00-808		
	SAE J1113-4	2014	
	SAE J1113-4		
	STD 515-0003, Vers 4	2009	7.3
STD 515-0003			
VW TL 81000	2013	3.2.2	
VW TL 81000	2014	3.2.2	
VW TL 81000	2016	3.2.2	
VW TL 81000	2018	5.2.2	
VW TL 81000			
VW TL 82166	2011	6.1	
VW TL 82166			

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

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The scope of the satellite facility is identical to the scope of the main facility.

<sup>2</sup> When the date, revision or edition of a test method or standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of the R101 - General Requirements – Accreditation of ISO-IEC 17025 Laboratories. If a specifier/regulator imposes a different transition period, this will supersede the A2LA one-year implementation period.

<sup>3</sup> Field testing services are available for this test method and this laboratory meets A2LA R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories for these tests.