



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMEN



<u>Test Technology:</u>	<u>Test Specification/Method(s):</u>
	ISO 11452-11 ISO 11452-11 (2010)
Conducted Transient Emissions	ISO 7637-2 65 ISO 7637-2 (2004) 67 51
Conducted Transient Immunity – Power/Supply Lines	ISO 7637-2 65n ISO 7637-2 65n (0 (R sel 20dB, 55 ; ISO 7637-2 65n (R sel 20dB); ISO 16750-2 65n (R sg 55) ISO 7637-3 65C 65D
Conducted Transient Immunity – Other than Power/Supply Lines	



<u>Test Technology:</u>	<u>Test Specification/Method(s):</u>
<ul style="list-style-type: none"> - Overload – All Circuits - Crank Pulse Capability and Durability - Switched Battery Line - Multiple Power and Multiple Ground Short - Circuit Including Pass Through - Fretting Corrosion Degradation 	GMW 3172 ²
<p><u>Electrical Tests Based on MIL-STD 202:</u></p> <ul style="list-style-type: none"> - Dielectric Withstanding Voltage - Insulation Resistance - DC Resistance - Resistance Temperature Characteristic 	MIL-STD-202G, Method 301 MIL-STD-202G, Method 302 MIL-STD-202G, Method 303 MIL-STD-202G, Method 304
<p><u>Electrical Tests Based on USCAR-2:</u></p> <ul style="list-style-type: none"> - Dry Circuit Resistance - Voltage Drop - Insulation Resistance 	USCAR-2 USCAR-2 USCAR-2

<u>Test Type</u>	<u>Test Parameters</u>
Voltage	
AC – Measure ¹	1 μ V to 400 V @ 1 Hz to 250 MHz
AC – Generate ¹	1 mV to 10 V @ 1 Hz to 80 MHz
DC – Measure ¹	1 mV to 1,000 V
DC – Generate ¹	1 mV to 1,000 V





ELEMENT MATERIALS TECHNOLOGY BURTON

Burton, MI

refer to joint ISO-ILAC AF Cor

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