



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ELECTRONIC TEST CENTRE-AIRDRIE (MPB TECHNOLOGIES INC.)

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ELECTRICAL

Valid To: November 30, 2010

Certificate Number: 2750.01

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

<u>Test</u>	<u>Test Method</u>
<i>Emissions</i>	
Radiated (150 KHz to 18 GHz)	47 CFR FCC Part 15.109, 209 using ANSI C63.4:2003 (30 MHz to 18 GHz); CISPR 11; EN 55011 (150 kHz to 18 GHz); CISPR 22; EN 55022 (30 MHz to 18 GHz); MIL-STD 461/462 (Methods: RE101, RE102) RTCA/DO160 Section 21
Conducted (150 MHz to 30 MHz)	47 CFR FCC Part 15.107, 207, using ANSI C63.4:2003; (150 kHz to 30 MHz) CISPR 11; EN 55011; CISPR 22; EN 55022; MIL-STD 461/462 (Methods: CE101, CE102) RTCA/DO160 Section 21
Harmonics	EN 61000-3-2; IEC 61000-3-2
Flicker	EN 61000-3-3; IEC 61000-3-3
<i>Immunity</i>	
Electrostatic Discharge (ESD)	EN 61000-4-2
Radiated	EN 61000-4-3; MIL-STD 461/462 (Methods: RS103) [up to 18 GHz and 10 v/m]
Electrical Fast Transient/Burst	EN 61000-4-4
Surge Immunity	EN 61000-4-5
Conducted	EN 61000-4-6; MIL-STD 461/462 (Methods: CS101 [250 Hz to 150 KHz], CS114)



<u>Test</u>	<u>Test Method</u>
Power Frequency Magnetic Field	EN 61000-4-8; IEC 61000-4-8; AS/NZS 61000-4-8
Magnetic Effects	RTCA/DO160F Section 15
Voltage Dips/Interrupts and Variations	EN 61000-11; RTCA/DO160F Section 17
Voltage Spike	RTCA/DO160F Section 17
Induced Signal Susceptibility Lightning Inducted Transient	RTCA/DO160F Section 19

<u>Test</u>	<u>Test Method</u>
<i>Generic and Product Family Standards</i>	CISPR 24; EN 55024; EN 60601-1-2; ASAE EP 455 (Sections 5.10, 5.12 Level 2, 5.16.3.1, 5.16.3.2, 5.16.3.3)

Peter Mlynar