



DECLARATION OF CONFORMITY

Application of Council Directive(s): 2014/30/EU - The EMC Directive
Manufacturer's Name: Axiomatic Technologies Corporation
5915 Wallace Street
Mississauga, Ontario Canada L4Z 1Z8
Equipment Type/Environment: Power Gen Set Networked Controller
Trade Names/Model Nos: Discrete I/O Module/AXDIO128(-03), AXDIO128CO,
234-0275
Year of Manufacture: 2012/2013/2014/2015/2016/2017/2018/2019/2020
Testing Facility: Self-declared
File No.: Caterpillar Inc. (Engineering Report EC42 Test Results)
Records Maintained by: Axiomatic Technologies Corporation
5915 Wallace Street, Mississauga, ON
Canada L4Z 1Z8
TEL: 905-602-9270

Standard(s) to which Conformity is Declared:

Emissions:

CISPR 25, Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers. 2008. Radiated Emissions (150 kHz – 54 MHz), Class 3.

ISO13766, 2006. Radiated Emissions (30 MHz – 1 GHz) Level

CISPR 25, Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers. 2008. Conducted Emissions. Class 3

CISPR 16 Specification for radio disturbance and immunity measuring apparatus and methods. Part 2-3. 2006. Far Field Emissions.

Immunity:

Conducted Susceptibility EN 61000-4-6 *Immunity to conducted disturbances, induced by radio-frequency fields*: 2009 (150 kHz-80 MHz, 10 V/m)

Conducted Immunity, Bulk Current Injection per ISO 11452-4:2005 and SAE J1113-4: 2004 (1-400 MHz; 80 mA)

Conducted Transients per ISO 7637-2: 2004

Radiated Susceptibility per ISO 11452-2: 2004 (200 MHz – 1 GHz; 100 V/m and 1 GHz – 2.7 GHz; 50V/m)

Radiated Immunity per ISO 1142-4: 2010 (10 kHz – 2 MHz; 100 V/m)

Magnetic Field Immunity per EN61000-4-8:2001 (30A/m)

Electrical Fast Transients/Burst per EN 61000-4-4 *Electrical fast transient/burst immunity test*: 2004 (Signal ports +/- 1 kV L/E, Power Line +/- 2 kV, DC port +/- 500 V L/L and +/- 1 kV L/E)

Slow Transient/Electrical Surge Test per EN 61000-4-5 *Surge immunity test*: 2006 (Signal ports +/- 1 kV L/E, Power Line +/- 2 kV, DC port +/- 500 V L/L and +/- 1 kV L/E)

Immunity to Electrostatic Discharge per ISO 10605:2008 (8kV contact discharge, 15kV air discharge)

Packaging and Handling ESD per ISO 10605:2008 (8kV contact discharge, 15kV air discharge)

Audio Frequency per MIL STD 461F CS101, power lines only

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive and Standards.

Manufacturer

Amanda Wilkins
Axiomatic Technologies Corporation
January 31, 2020
Mississauga, Ontario, Canada

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