

EU DECLARATION OF CONFORMITY

Application of Council Directive(s):	2014/30/EU – The EMC Directive
Manufacturer’s Name:	Axiomatic Technologies Corporation 1445 Courtneypark Drive E., Mississauga, ON, Canada L5T 2E3
Equipment Type/Environment:	I/O Controller
Trade Names/Model Nos:	AX031800, AX031801
Testing Facility:	UltraTech 3000 Bristol Circle Oakville, Ontario, Canada L6H 6G4 AND Elite Electronics Engineering Inc. 1516 Centre Circle Downer’s Grove, IL 60515 USA
File No.:	Elite Engineering Test Report No. 1902125-01, 2203471-03 UltraTech Report 22ATC068_EC42
Records Maintained by:	Axiomatic Technologies Corporation 1445 Courtneypark Drive E., Mississauga, ON, Canada L5T 2E3. TEL: (+1) 905 602 9270 Unique ID No. – 53A

Standard(s) to which Conformity is Declared:

Emissions:

- **IEC 60945: 2002**
 - *Radiated Emissions* (0.15 – 30 MHz: 80-50 dbuV/m; 30-100 MHz: 60-54 kbuV/m; 100-6000 MHz; 54 dbuV/m except 156-165MHz 24 dbuV/m) Test set up and methods per:
 - CISPR 16-2-3:2010
- **CISPR 16-2-3:2010**
 - *Conducted Emissions* (10-150 kHz: 120-69 dbuV, 150-500 kHz: 79 dbuV, 0.5-30 MHz: 73 dbuV) Test set up and methods per: CISPR 16-2-1. 2010
- **ANSI C63.4:2014** American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz
- **CISRP 25:2008** Vehicles, boats and internal combustion engines- Radio disturbance characteristics- Limits and methods of measurement for the protection of on-board receivers

Immunity:

- *Conducted Radio Frequency* EN 61000-4-6:2013 *Immunity to conducted disturbances, induced by radiofrequency fields:* (150 kHz-80 MHz, 3 Vrms) Criteria A
 - *Electromagnetic Field* EN 61000-4-3: 2010 *Radiated, radiofrequency, electromagnetic field immunity test:* (80 – 6,000 MHz; 10 V/m; 80% AM, 1kHz) Criteria A
 - *Conducted Low Frequency* (3 Vrms, 0.05 to 10 kHz) Criteria A

- *Electrical Fast Transients/Burst* per EN 61000-4-4: 2012 *Electrical fast transient/burst immunity test*: (2 kV to power lines, 1kV to signal lines and communication lines, 300 ms) Criteria B
- *Surge Test* EN 61000-4-5: 2017 *Surge immunity test*: (+/- 0.5 kV L/L, +/- 1 kV L/E) Criteria B
- *Immunity to Electrostatic Discharge* EN 61000-4-2: 2008 *Electrostatic discharge immunity test*: (6kV contact discharge, 2kV, 4kV and 8kV air discharge) Criteria B
- **CISPR 16-1-1:2010+A1:2010+A2:2014** Specifications for radio disturbance and immunity measuring apparatus and methods- Part 1-1: Radio disturbance and immunity measuring apparatus- Measuring apparatus
- **CISPR 16-1-2:2003+A1:2004+A2:2006** Specifications for radio disturbance and immunity measuring apparatus and methods. Part 1-2: Conducted disturbances
- **ISO 10605:2008** Road vehicles - Test methods for electrical disturbances from electrostatic discharge
- **ISO 11452-2:2004** Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 2: Absorber-lined shielded enclosure
- **CISPR 11452-8:2015** Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 8: Immunity to Magnetic fields
- **ISO 7637-2:2011** Road vehicles - Electrical disturbances from conduction and coupling - Part 2: Electrical transient conduction along supply lines only
- **ISO 16750-2:2012** Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 2: Electrical loads

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

X 

Haaris Rehman
Product Compliance Analyst

Date: 2024-04-15