



# **EMC Testing Summary for the Dante AVIO Adapter Modules**

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## 1. Overview

EMC testing has been performed on the Dante modules incorporated in the following Dante AVIO adapters:

- 2-channel analog input (ADP-DAI-AU-2X0)
- 2-channel analog output (ADP-DAO-AU-0X2)
- 2x2-channel AES3 (ADP-AES3-AU-2X2)
- 2x2-channel USB (ADP-USB-AU-2X2)

The following single-channel modules inherit their test result status from the respective dual-channel variants:

- 1-channel analog input (ADP-DAI-AU-1X0)
- 1-channel analog output (ADP-DAO-AU-0X1)

The EMC testing was performed by EMC Services Pty Ltd in Frenchs Forest, NSW Australia.

## 2. Included Tests

The modules were tested for emissions and immunity compliance against the following standards:

- 2-channel analog input (ADP-DAI-AU-2X0)\*:
  - Europe EN 55032:2012/AC:2013 (Class B) and EN 55024:2010
  - Australia AS/NZS CISPR 32:2015
  - North America FCC 47 CRF Part 15 (B) Class B
- 2-channel analog output (ADP-DAO-AU-0X2)\*:
  - Europe EN 55022:2010 +AC: 2011 (Class B) and EN 55024:2010
  - Australia AS/NZS CISPR 22:2009 + A1 (2010)
  - North America FCC 47 CRF Part 15 (B) Class B
- 2x2-channel AES3 (ADP-AES3-AU-2X2) :
  - Europe EN 55032:2012/AC:2013 (Class B) and EN 55024:2010
  - Australia AS/NZS CISPR 32:2015
  - North America FCC 47 CRF Part 15 (B) Class B
- 2x2-channel USB (ADP-USB-AU-2X2) :
  - Europe EN 55032:2015 (Class B) and EN 55024:2015
  - Australia AS/NZS CISPR 32:2015
  - North America FCC 47 CRF Part 15 (B) Class B & ISED ICES-003 Issue 6

\* Due to their close physical and electrical similarity with existing fully-tested models, model variants with serial numbers DAO2-A4-[XXXXXX], DAO2-A2-[XXXXXX], DAI2-A4-[XXXXXX], and DAI2-A2-[XXXXXX] were tested for emissions against the AS/NZS CISPR 32:2015 standard only.

## 2.1. Emissions Tests

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The following emissions tests were performed:

### **Conducted emissions**

- 0.15-30 MHz

### **Radiated emissions**

- 30-1000 MHz
- 1 – 6 GHz

## 2.2. Immunity Tests

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The following immunity tests were performed:

- Electrostatic discharge (ESD)
- RF radiated susceptibility
- Fast transients (EFT), burst
- Surges
- RF conducted susceptibility
- Magnetic field immunity
- Voltage dips
- Voltage interruptions

## 3. Test Results

All modules were found to be fully compliant with the above listed standards.