

**TEST PROCEDURE on NCS2563**  
**VIDEO APPLICATIONS**



**ON Semiconductor**

**NCS2563**

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**1. Board Setup:**

- 0.1 uF input coupling capacitors
- 220uF output coupling capacitors
- 75 ohms input matching impedance
- 75 output resistors

**2. Power Supply:**

- Plug the GND first.
- Limit the current to 100mA.
- Then, plug Vcc at 5V
- Turn on the supply.

**3. Standard definition channel:**

- Apply 1Vpp with 0V offset, 1MHz sinewave on all the input HD INx (pin 1, 2, 3)
- Measure a sine wave of 1MHz on the output (pin 12, 13, 14) centered around 0V with an amplitude an amplitude of 2.6Vpp at the output of the device.
- Icc should be around 23mA.

**4. Bench Setup**