Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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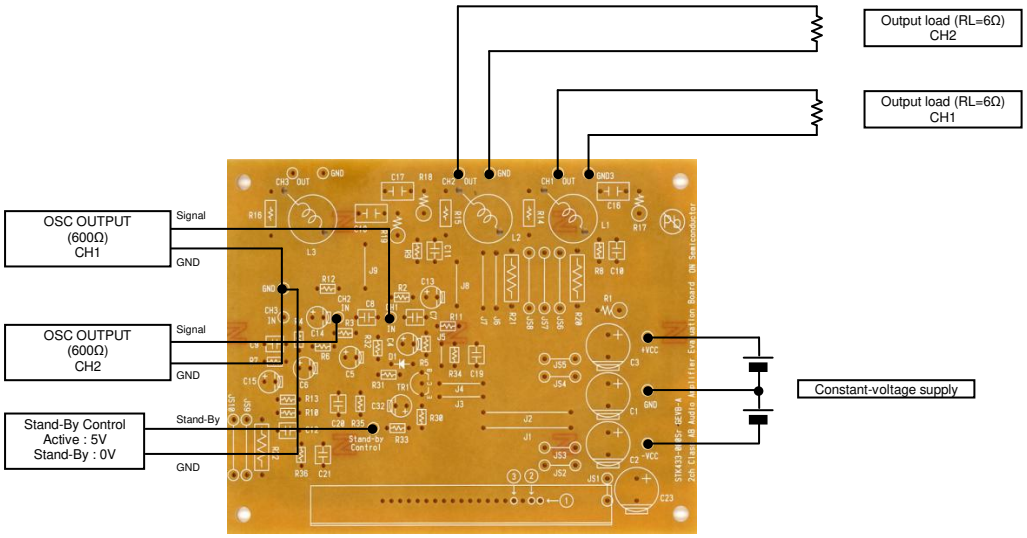
ON Semiconductor®

Test Procedure for the STK433-060NGEVB Evaluation Board

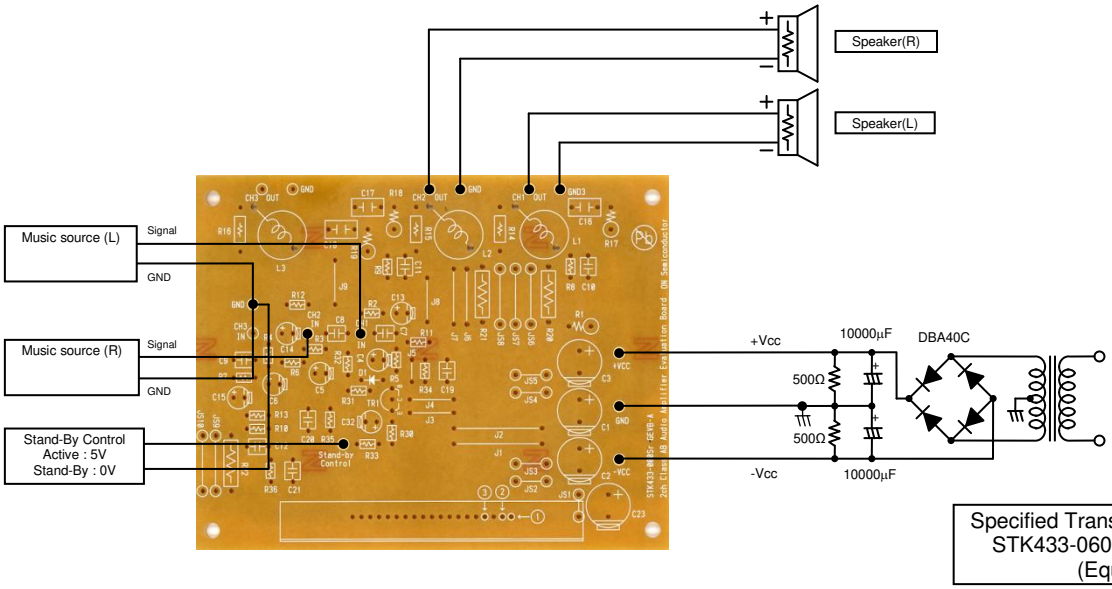
Characteristics confirmation

[Connection Diagram]



Sound quality confirmation, load short-circuit test, noise examination

[Connection Diagram]



[Required Equipment]

Equipment	Efficiency
Power supply +Vcc	60V-6A
Power supply -Vcc	60V-6A
Power supply Stand-By Control	10V-1A
Load	6Ω(Non-inductive load)
Measurement	Audio analyzer (Panasonic VP-7723B)

[Supply Voltage]

+Vcc/-Vcc : Power Supply for audio power amplifiers

Output 1 (10%/1kHz)	50W x 2 ch
Output 2 (0.4%/2Hz-20kHz)	35W x 2 ch
Recommended operating Vcc (6Ohm)	±27V

Stand-By Control (5V) : Power Supply for Stand-By Control Input

5V : Operation / 0V : Stand-by

[Operation Guide]

1. Installation of the heat sink — Please refer to a thermal design tip for the amplifier.
2. Load Connection — Connect the RL=6Ω (Non-inductive load)
3. Power Supply Connection — Connect the +Vcc/-Vcc (Output off : 0V)
4. Stand-By Control Connection — Stand-By Control = 0V : Stand-by
5. Input Connection — Connect the Oscillator (Sine wave / Output resistance 600Ω)
   The gain of the evaluation board is set in 30dB.
6. Power Supply — At first, supply DC voltage to +Vcc and -Vcc.
   Next, Stand-By Control = 5V : Operation