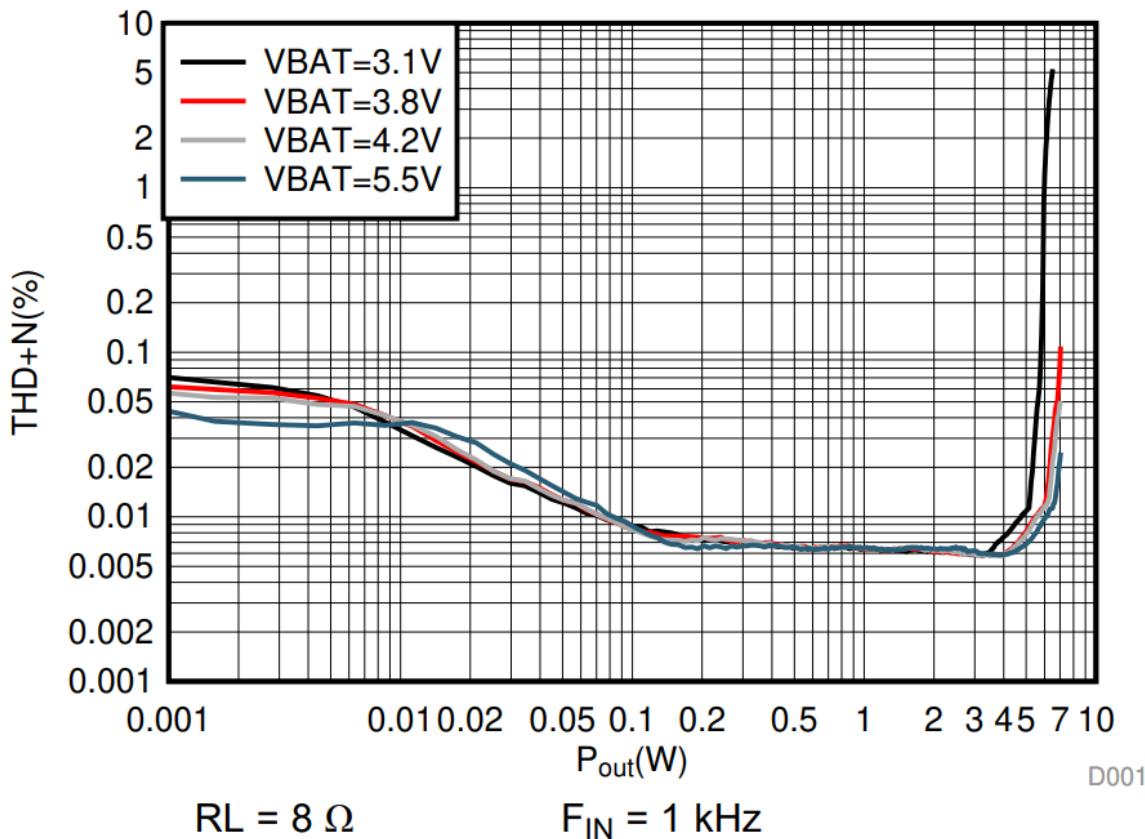


# TAS2564 Performance Validation

Applications Engineering – Low Power Audio & Actuators

# THD+N vs Pout



VBAT = 3.4V

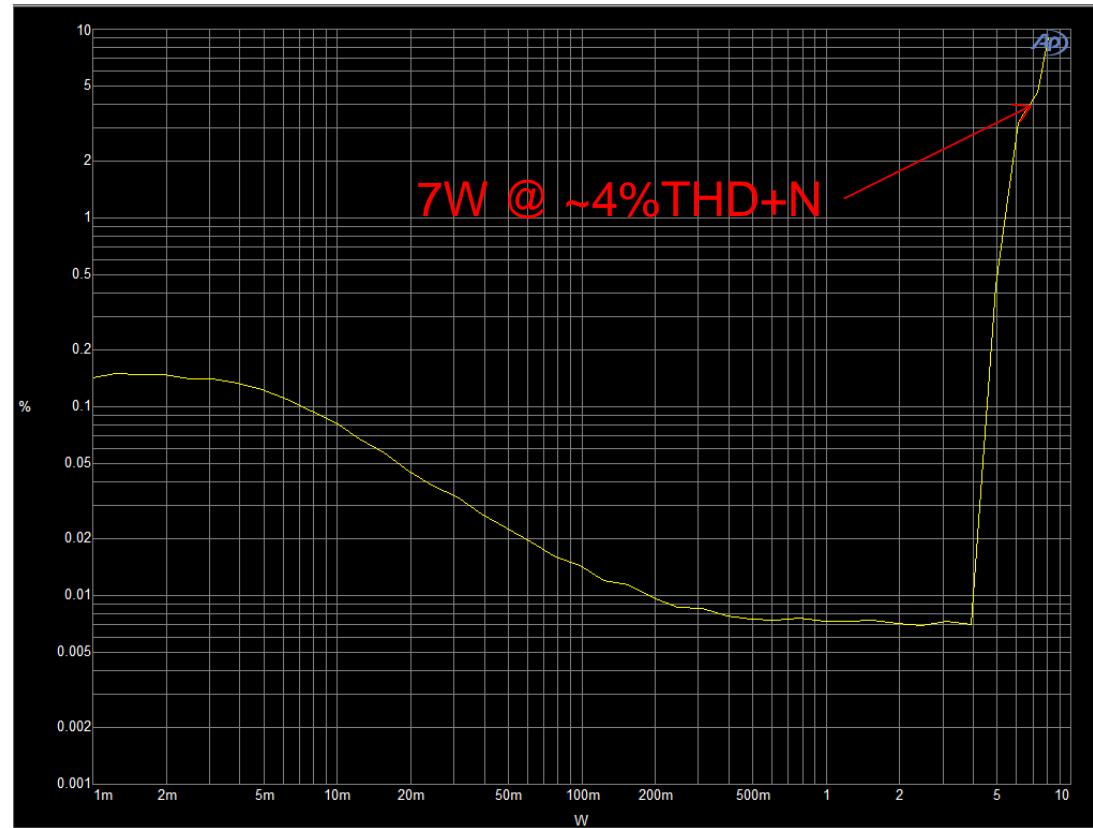
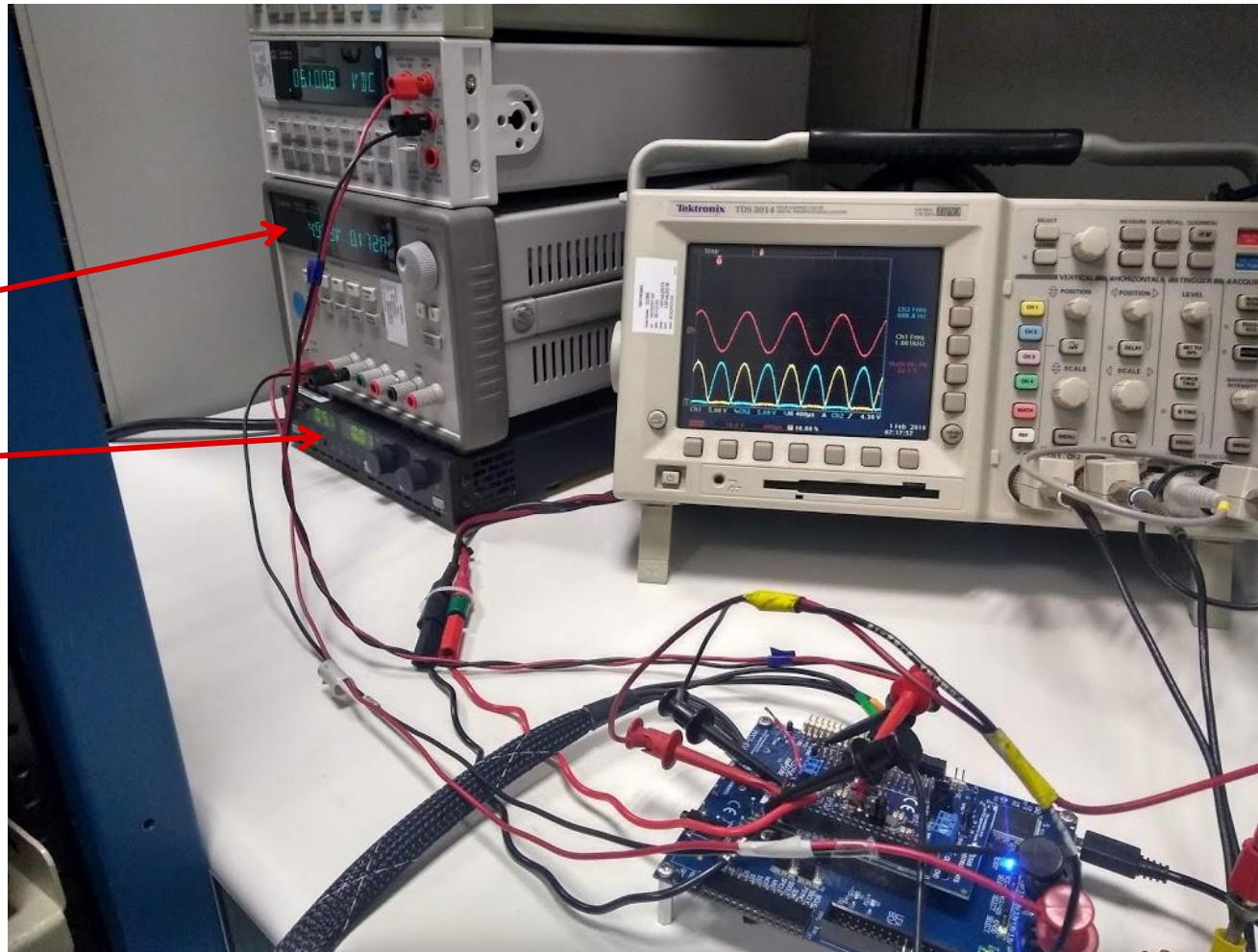


Figure 3. THD+N vs Output Power

# Hardware Setup

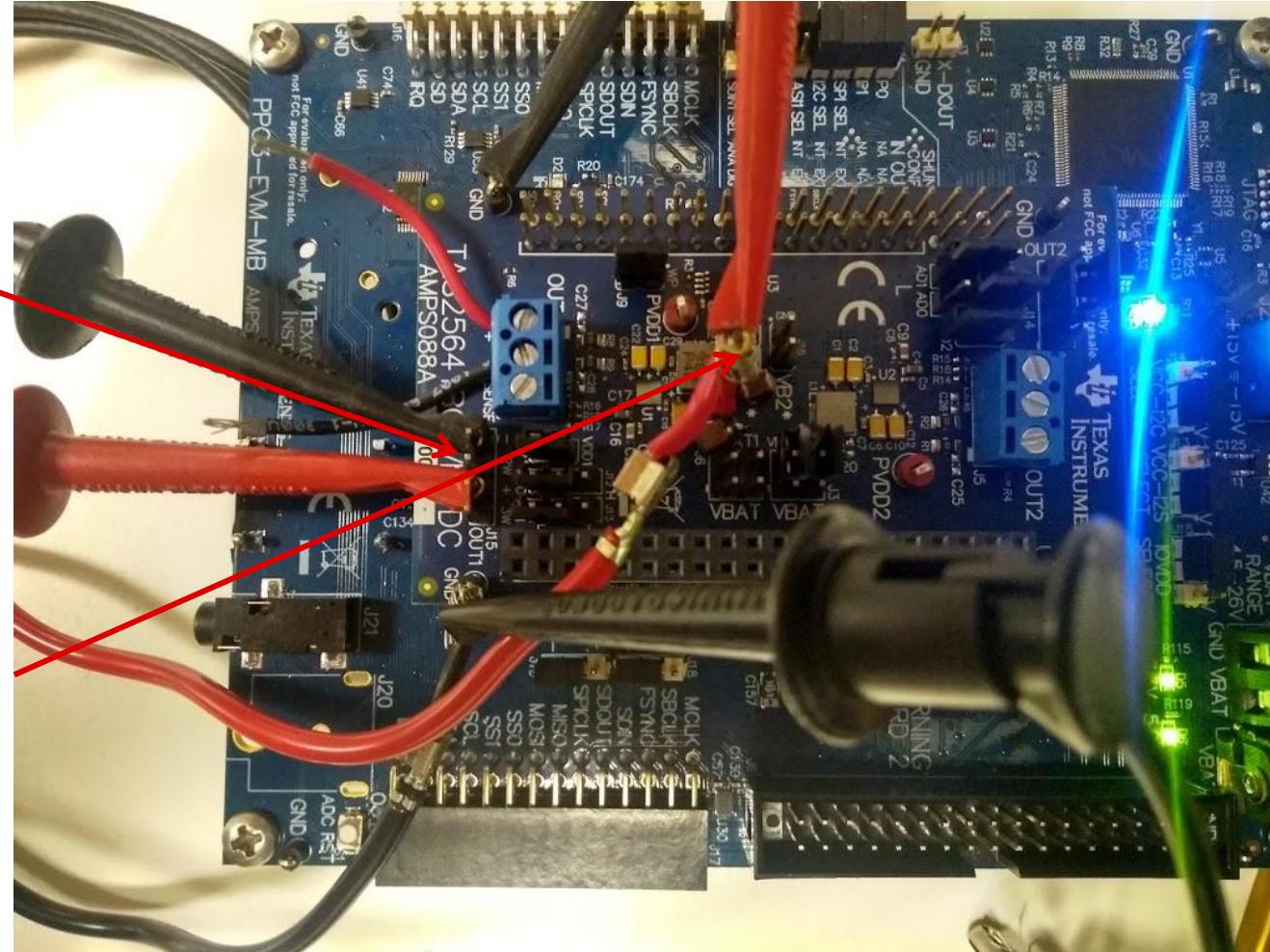
5V supply for  
Motherboard

3.4V supply for  
VBAT



# Hardware Setup

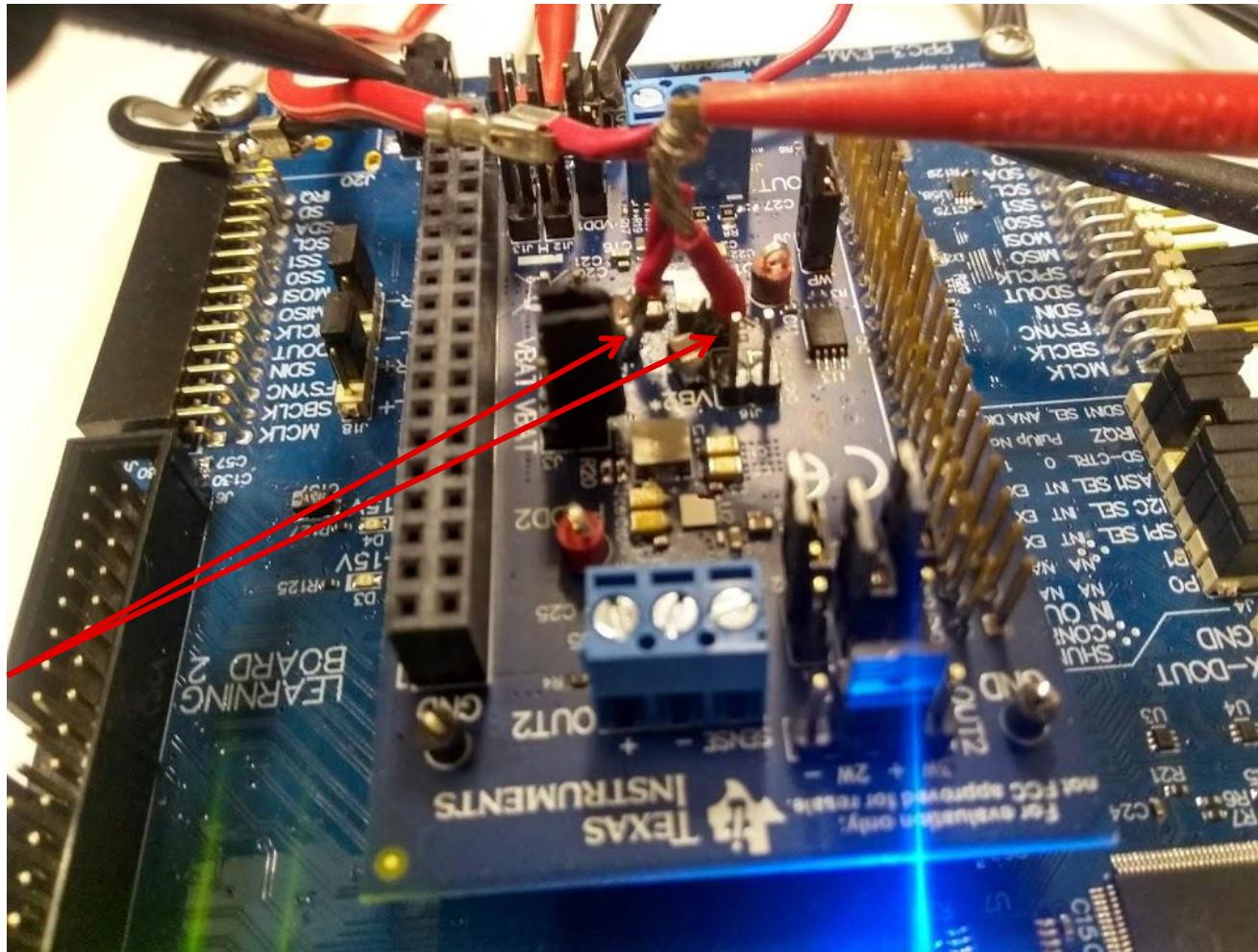
**Speaker Connection**



**Star Connection to  
VBAT supply for  
Boost Inductor and  
VBAT plane**

# Hardware Setup

## Star Connection to VBAT supply for Boost Inductor and VBAT plane



Connect VBAT and  
Inductor VBAT in star  
connection to 3.4V supply

3.4V

Optionally add  
more decoupling  
Ceramic capacitors  
on VBAT and/or  
PVDD

Solder a cable directly at  
Inductor VBAT terminal

