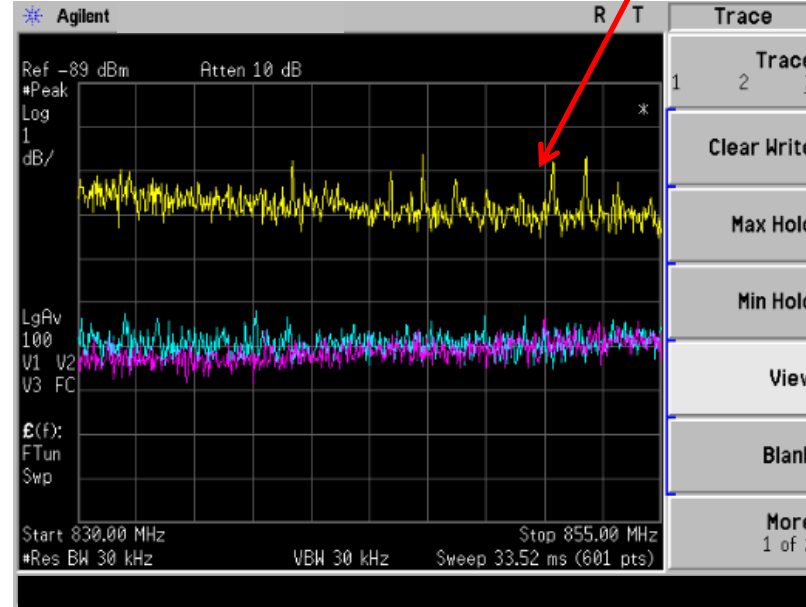


# TPS63000EVM Output noise Question.

Output current 76mA



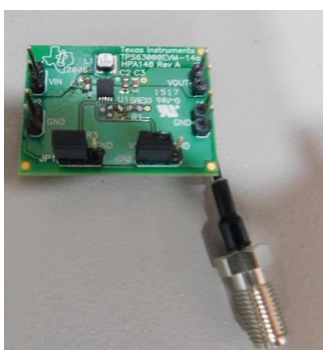
Output Current 0A (no load)



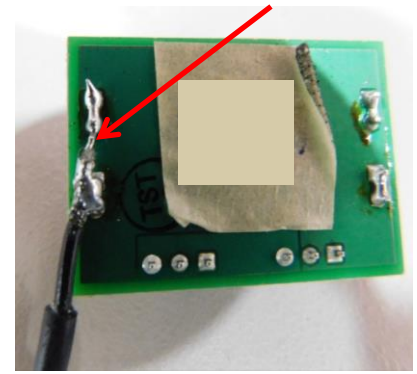
Input Voltage  
 Yellow : 5.25V  
 light blue : 4V  
 pink : 1.8V

1dB/1div  
 830-855MHz

## Measurement picture



Capacitor is 56pF



From measurement of spectrum analyzer

- ① It can be confirmed that it is growing at the time of down conversion (high input voltage condition  $V_{in}=5.25V$ ).
- ② It seems that the noise floor is rising at no load.

Q1.  
 What are the reasons for ① and ② ?

Q2.  
 Switching noise extends to the 800MHz band.  
 Is there countermeasure against noise in the 800MHz band?