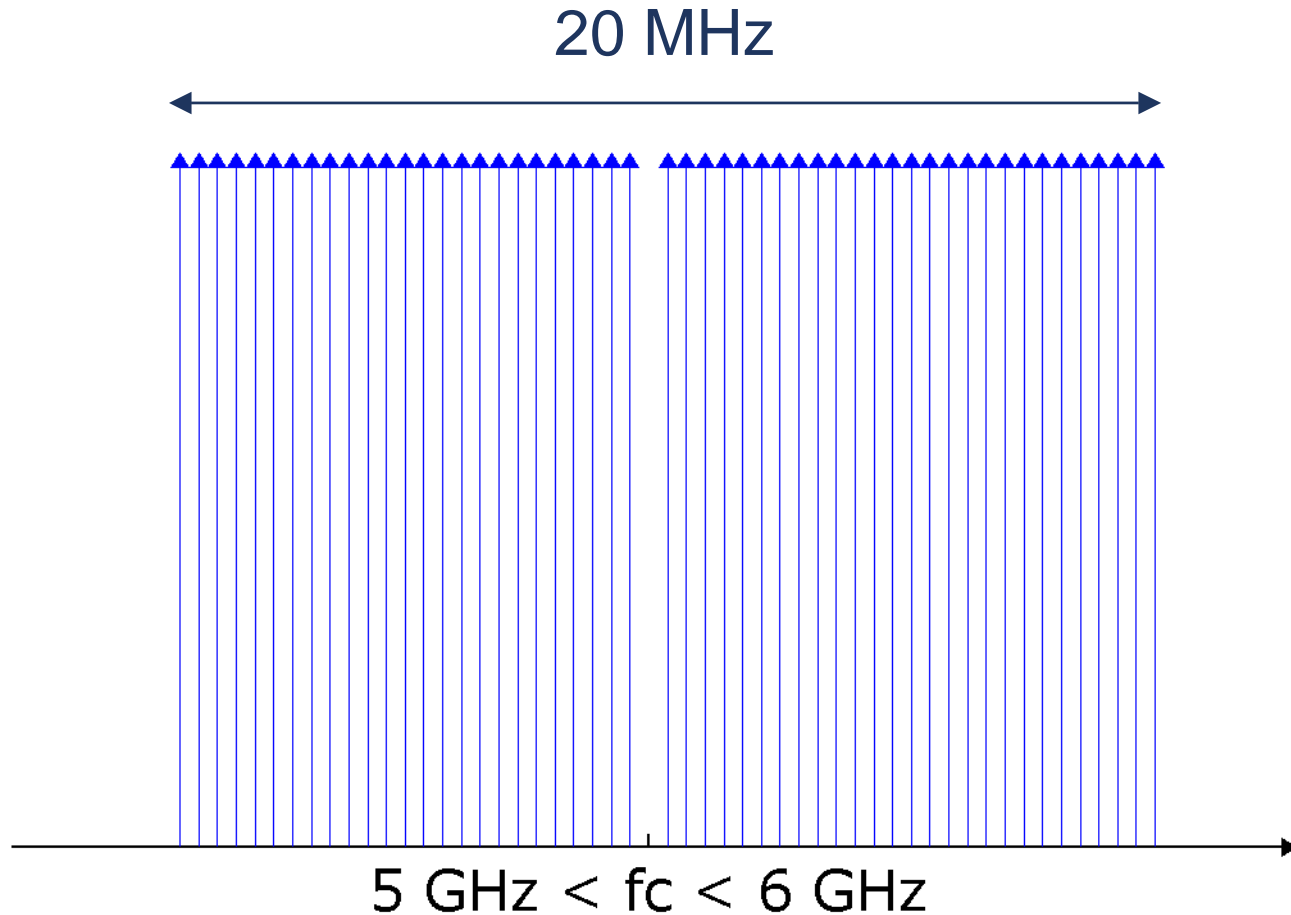
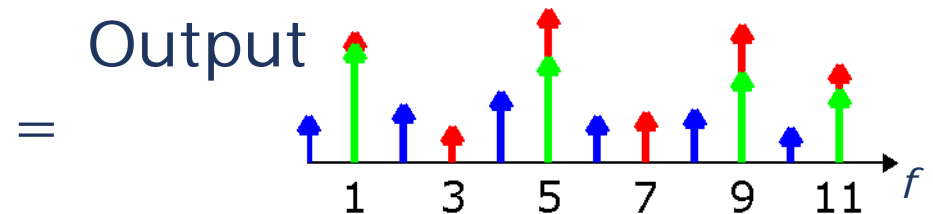
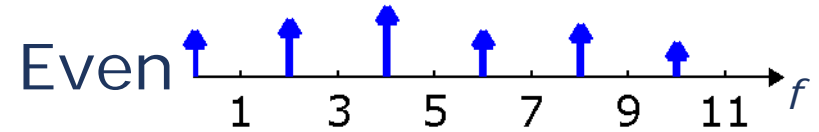
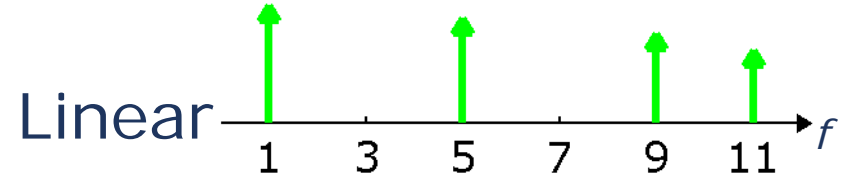
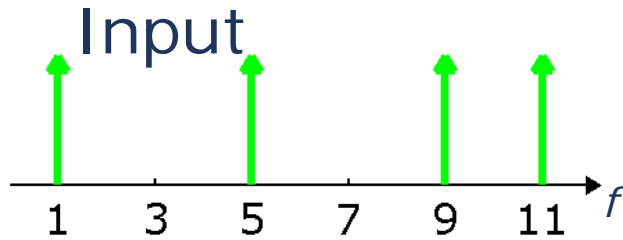


# Modern communication systems use multitone signals

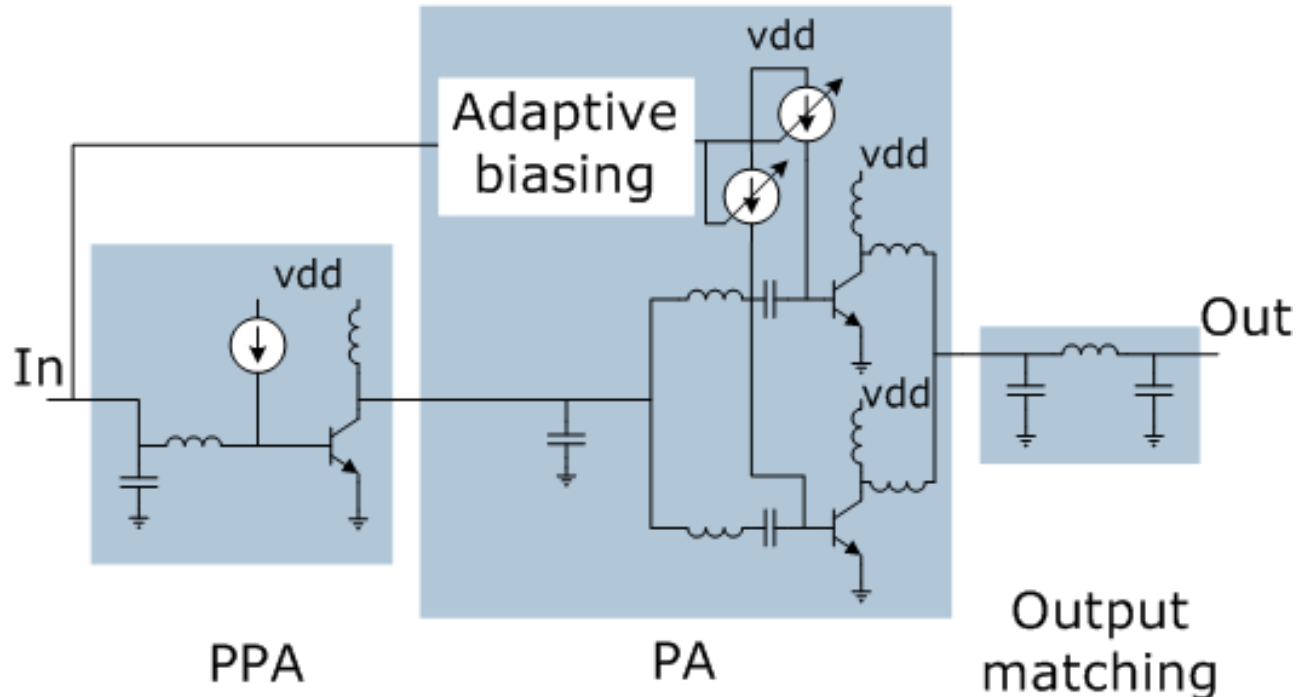
e.g. 5 GHz WLAN



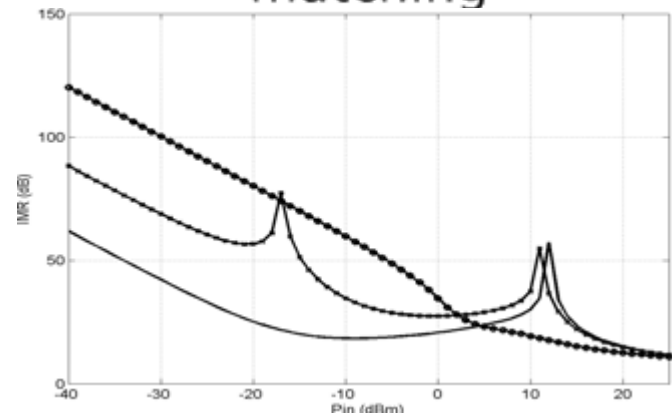
# Multisine signals with detection lines describe (non)linear behavior easily



# Traditional techniques fail to analyze a 5 GHz WLAN power amplifier

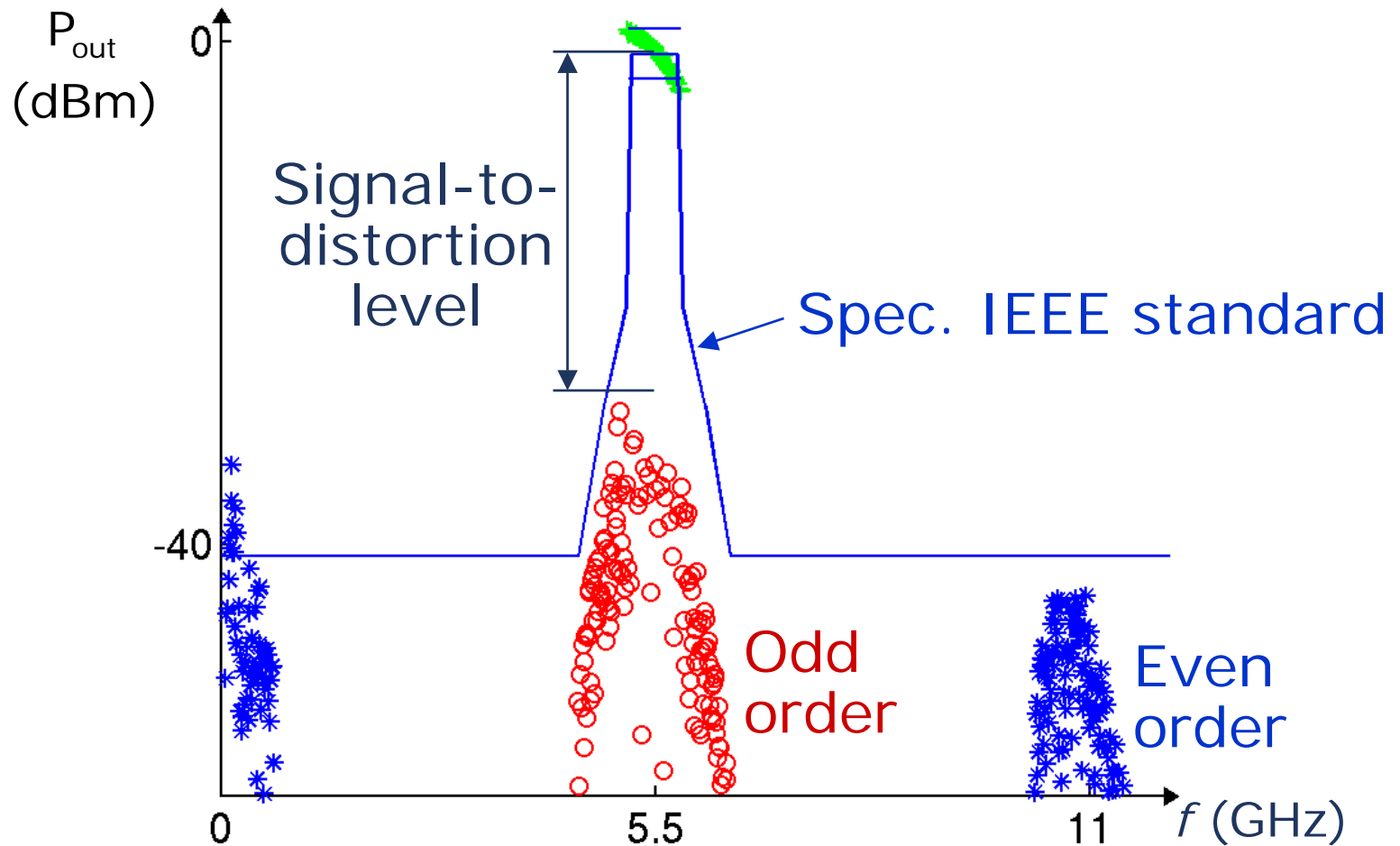


'Sweet spots' vary dramatically with the biasing  
 ⇒ with the used input signal



From P.Colantonio et al.

# A simulation with a multisine enables direct comparison with specifications



# Multitone signals sufficient to emulate signals in applications

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They closely resemble the actual signal

They deliver useful information in circuit analysis

They can be used to retrieve system-level models