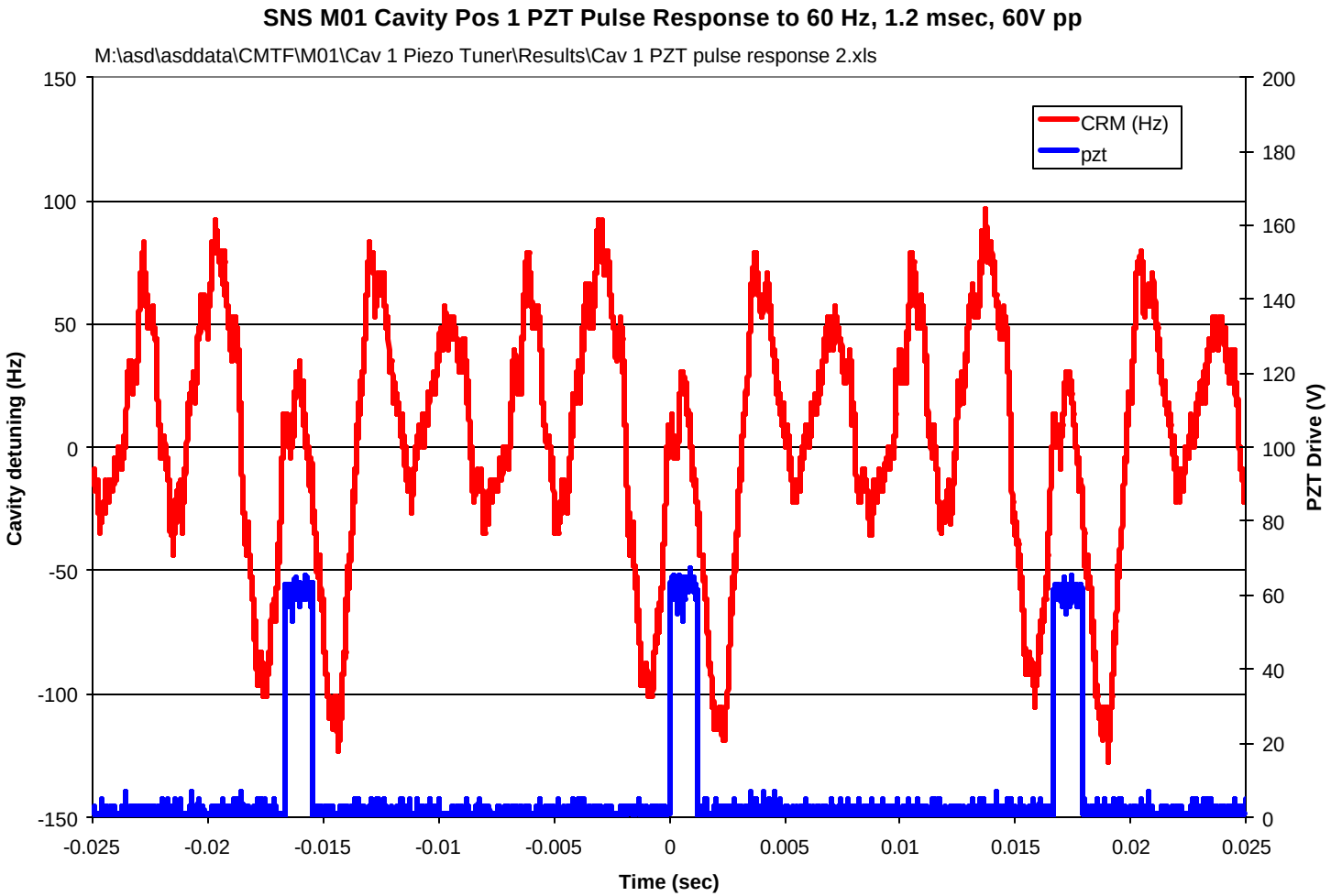
# PIEZO RESPONSE MEASUREMENTS ON THE FIRST PRODUCTION CRYOMODULE

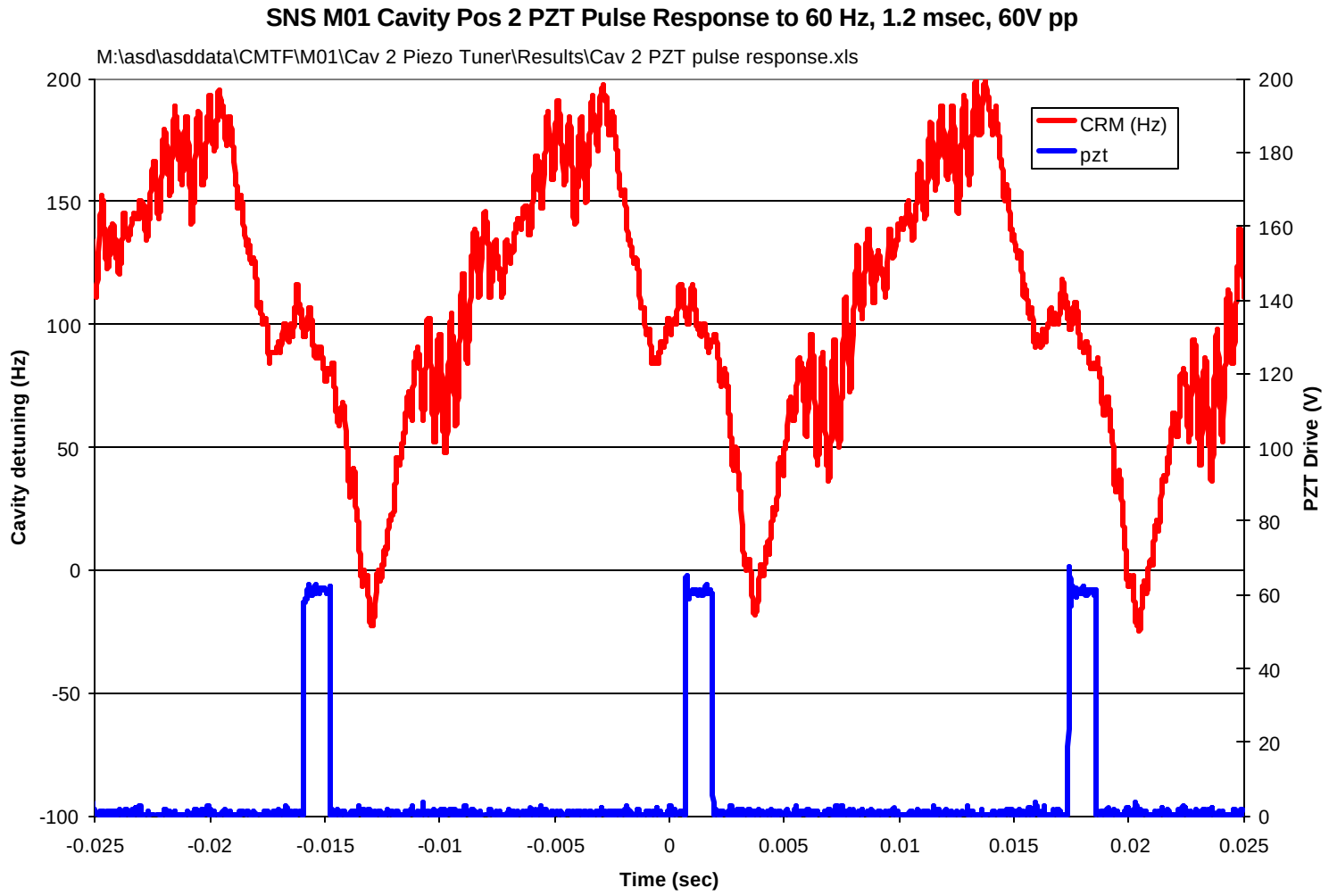
Jean Delayen, Kirk Davis

10 June 2003

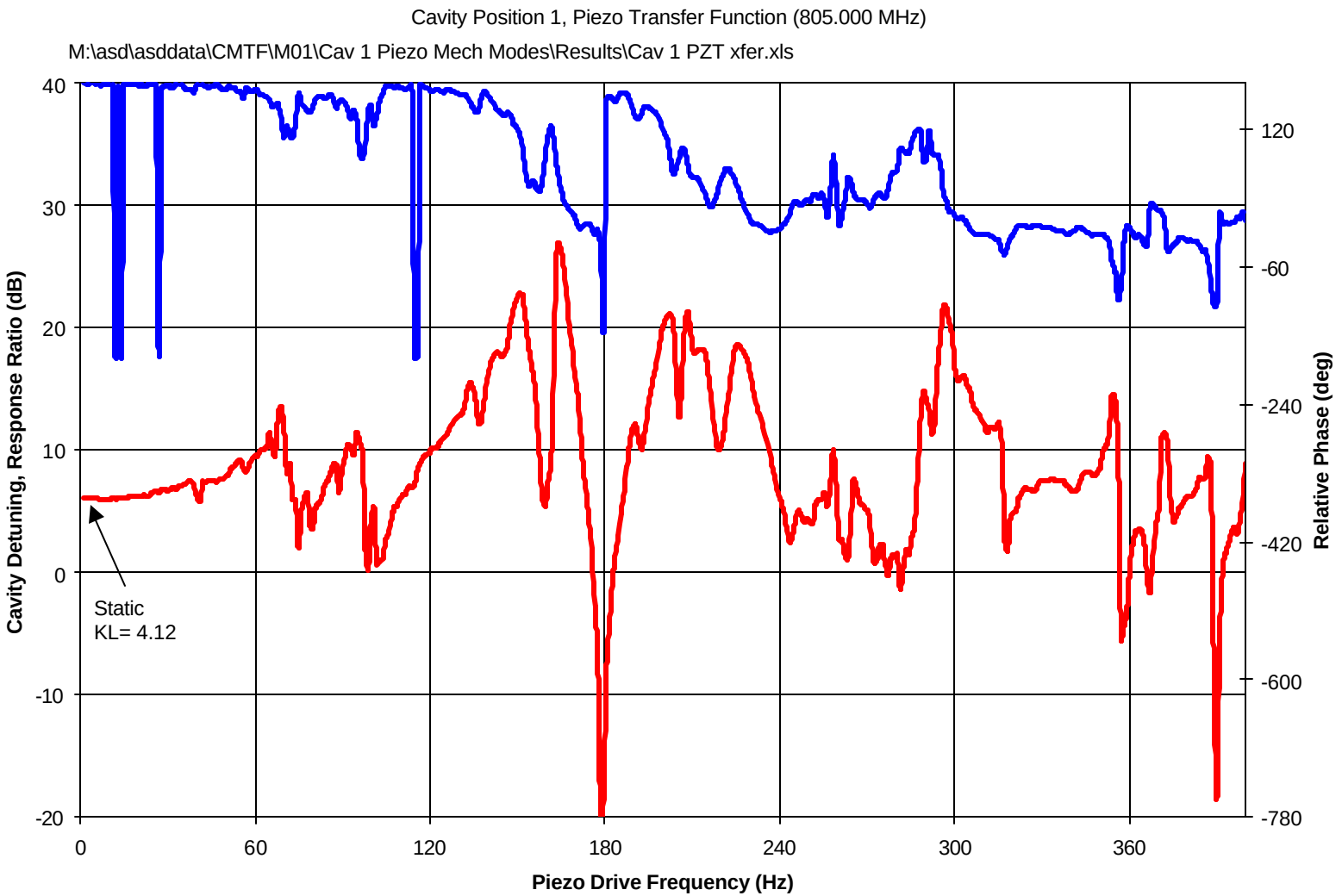
# Response cavity 1 to pulsed operation of piezo



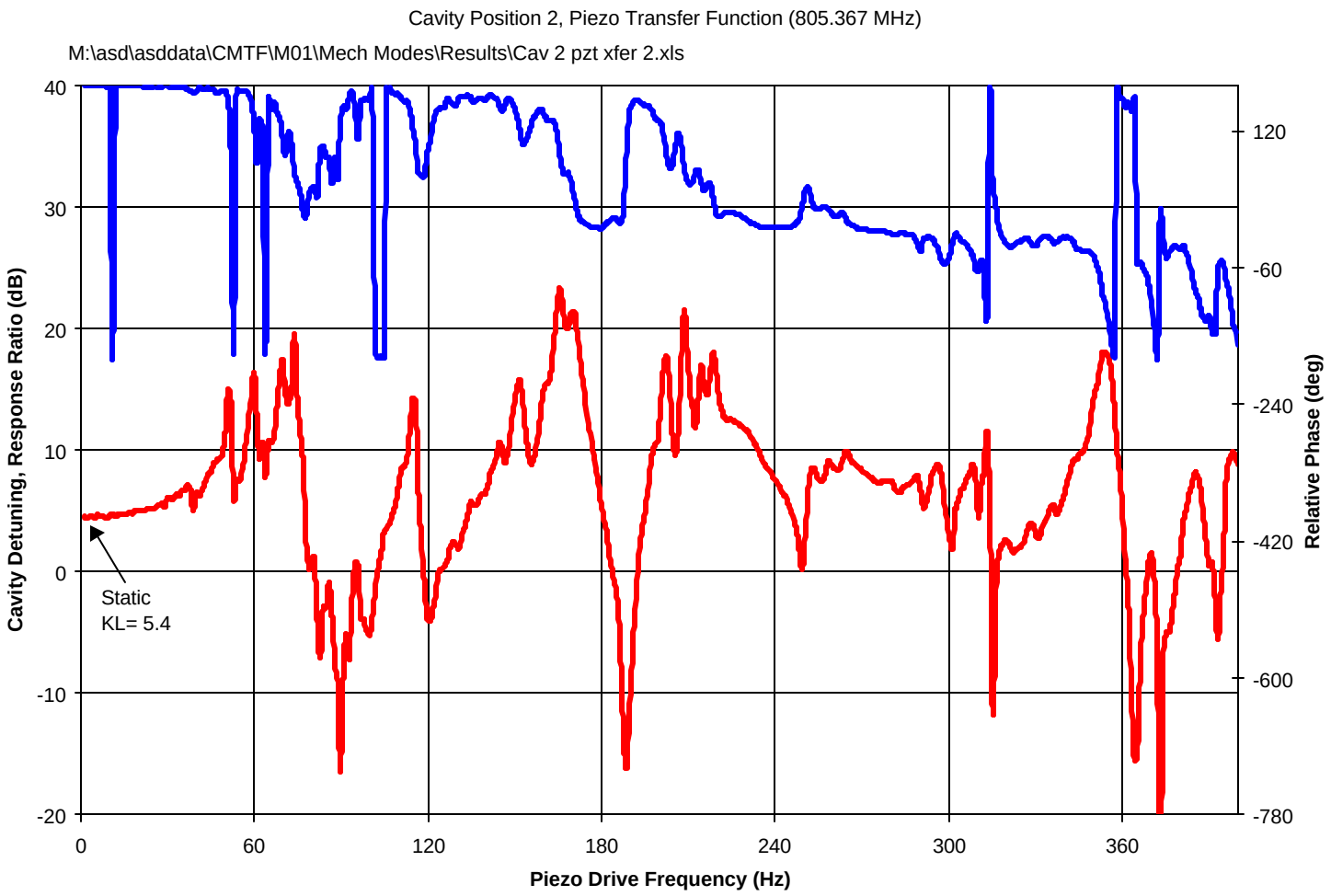
# Response cavity 2 to pulsed operation of piezo



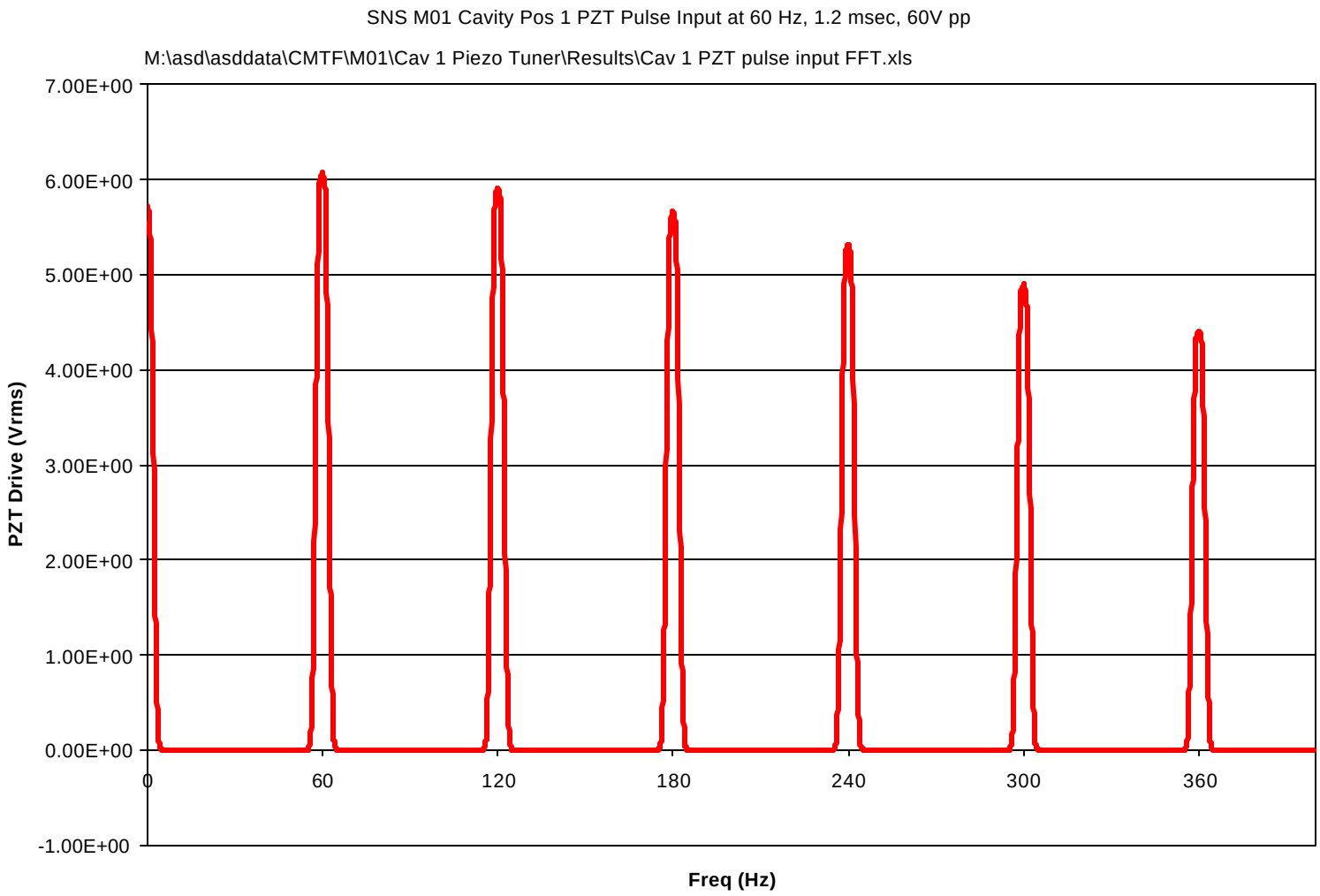
# Response cavity 1 to sinusoidal operation of piezo



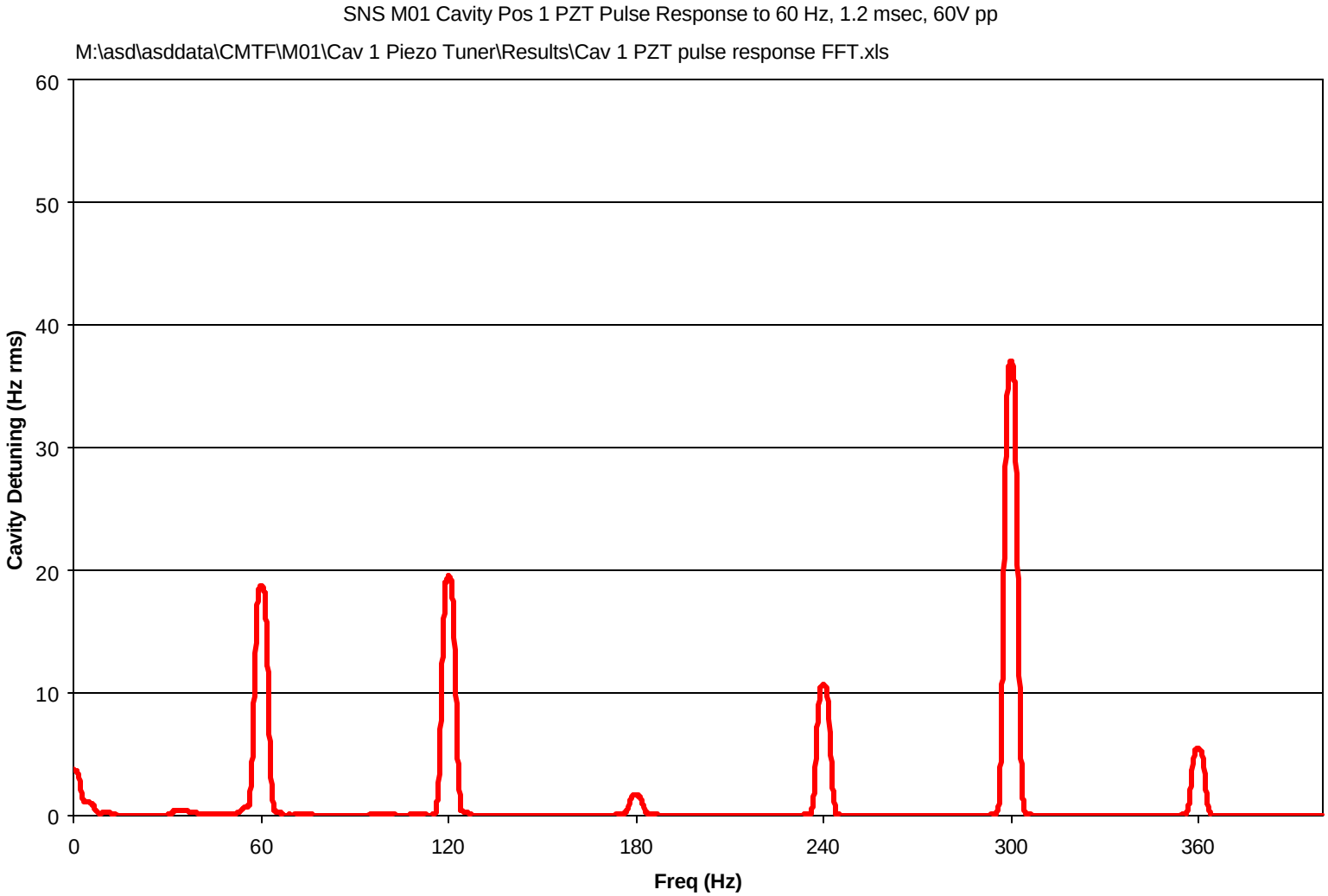
# Response cavity 2 to sinusoidal operation of piezo



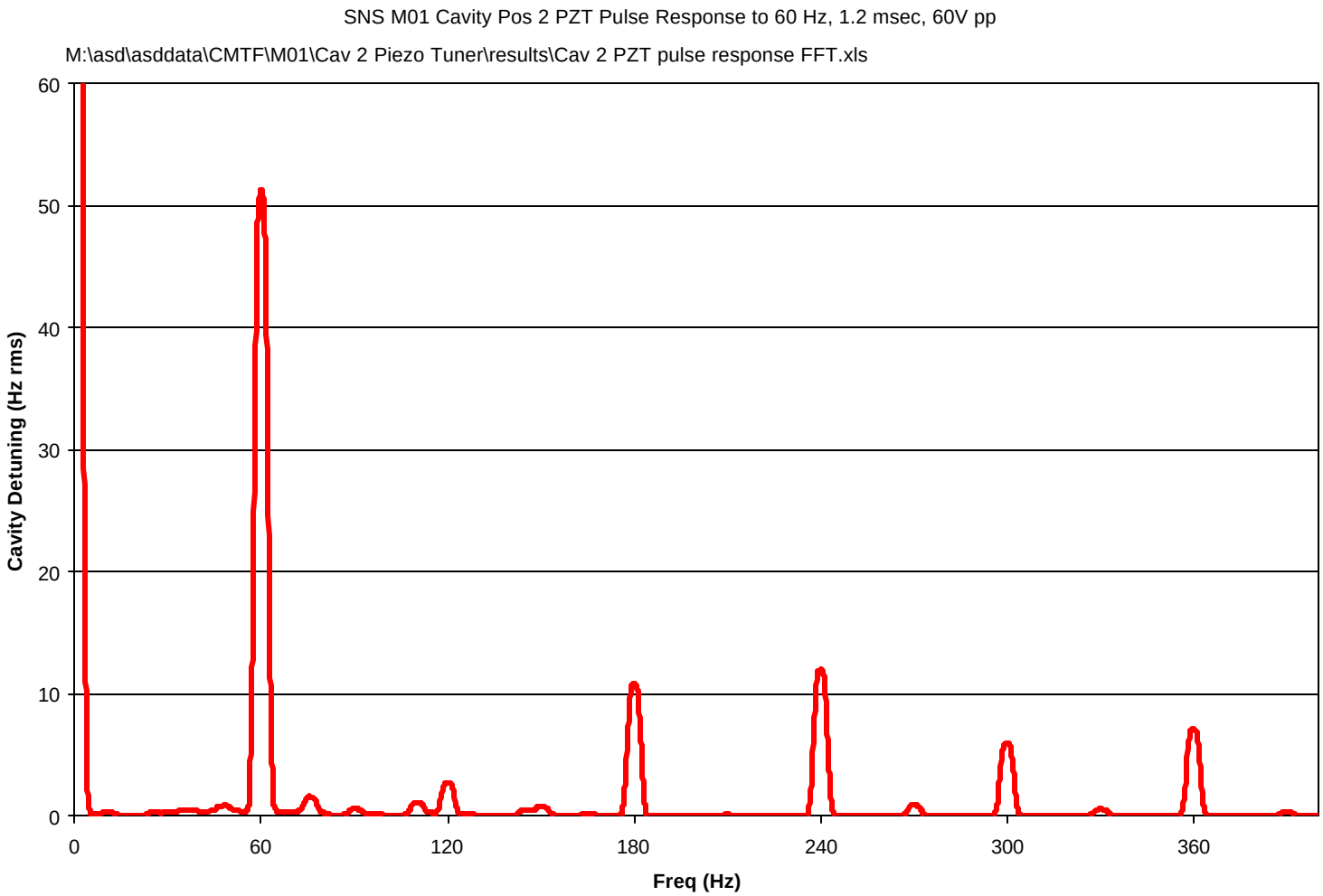
# Spectrum of pulsed piezo drive



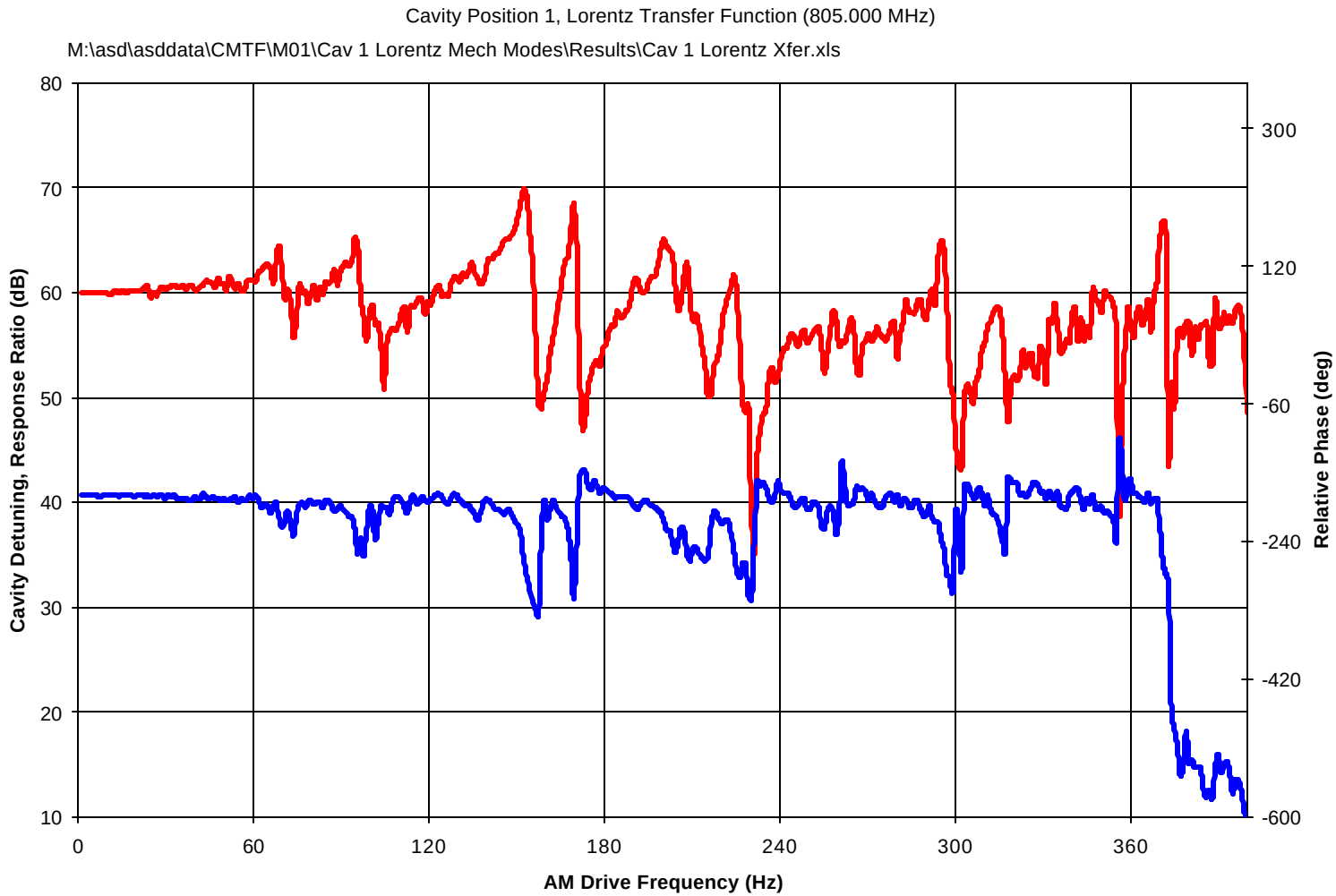
# Spectrum of cavity 1 response



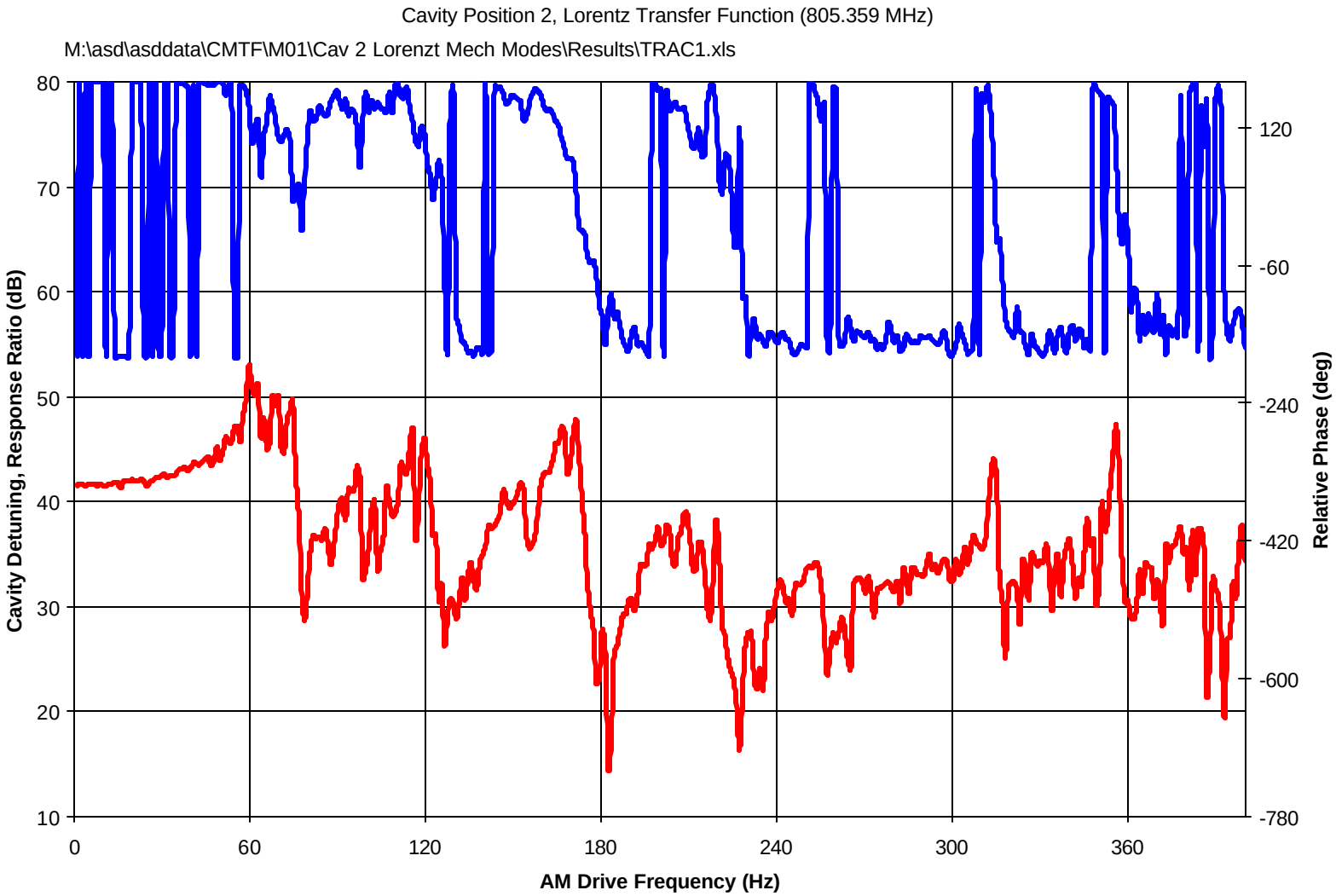
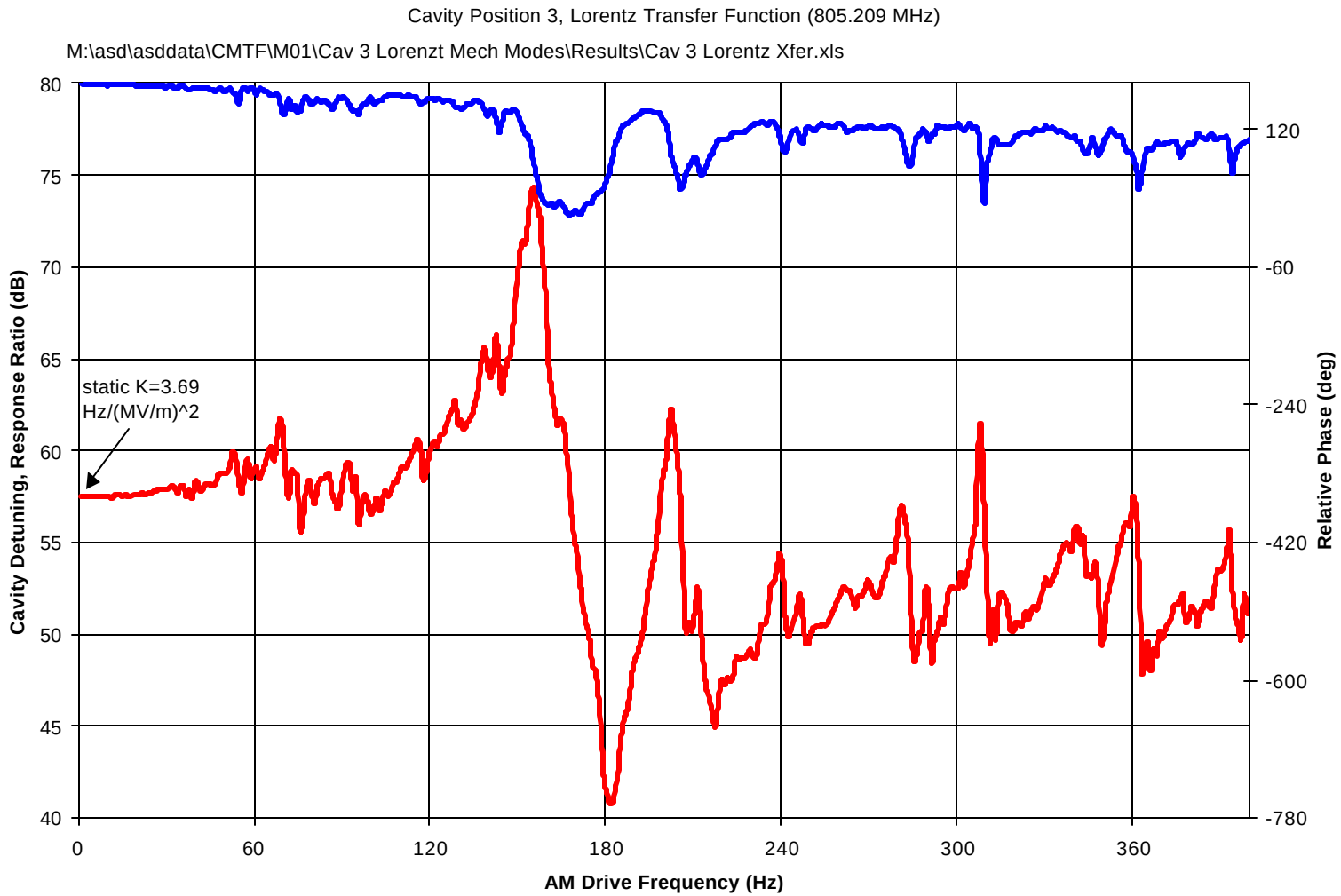
# Spectrum of cavity 2 response



# Response cavity 1 to sinusoidal modulation of rf field



# Response cavity 2 to sinusoidal modulation of rf field



# Response cavity 3 to sinusoidal modulation of rf field