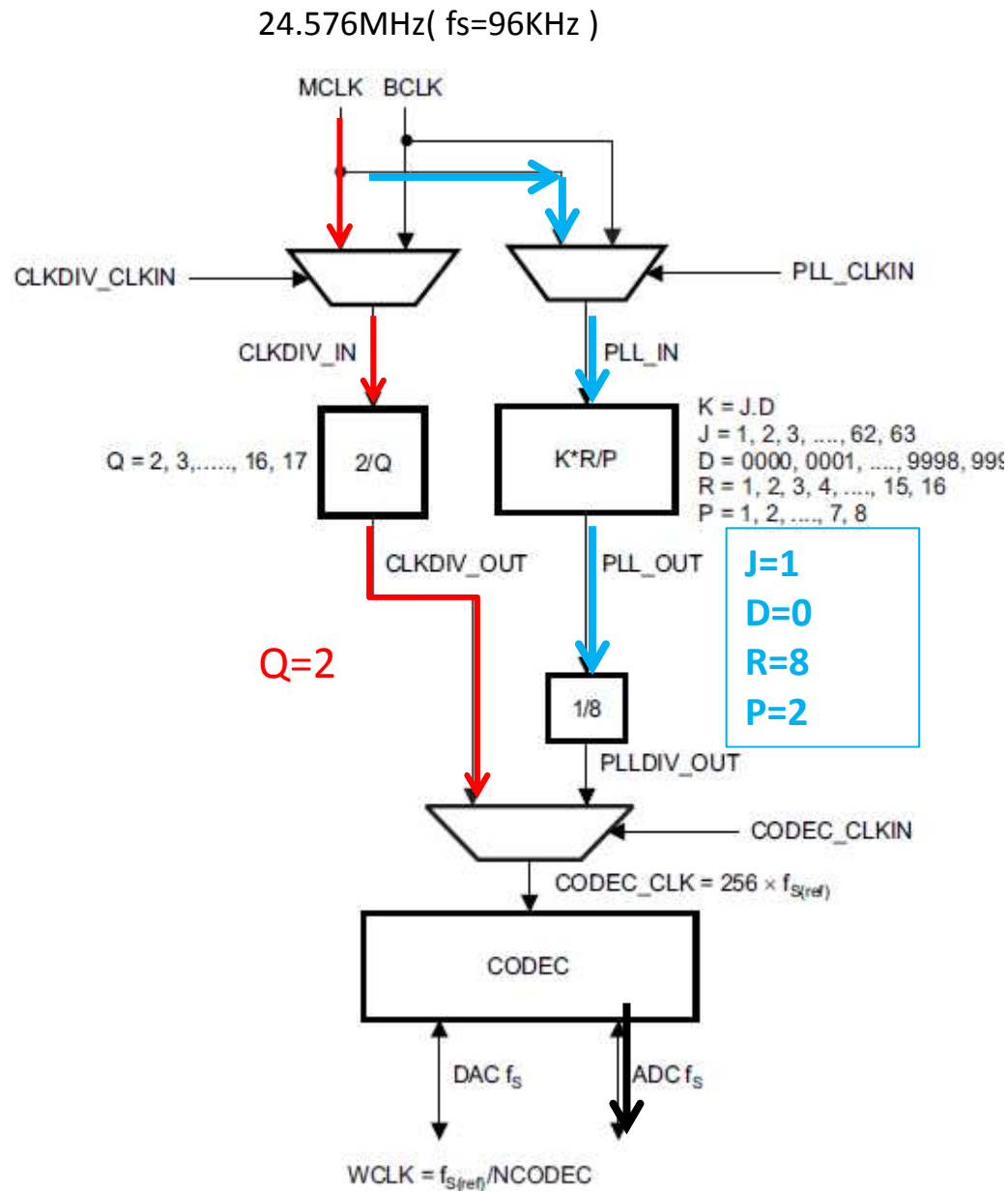




Phenomenon

Customer's pre-production using TLV320AIC3101:

SNR of ADC output (I2S) is tested by Customer using AP.

6dB worsen(86dB) in case Red (PLL disable).
In case Blue line (PLL enable), customer saw 92dB .

This phenomenon occur just in case CLK in=24.576($f_s=96\text{KHz}$) or CLK_in= 22.5792MHz.

In case $F_s=44.1\text{kHz}$: 11.2896MHz

$F_s=48\text{kHz}$: 12.288MHz, this phenomenon does not occur. Customer also says this is seen in ADC/double rate only.

In case DAC (i2s from AP) no problem even in Red line/double rate.

Question(Inquiry)

Would you please give us your advise/opinion about this?

(Frankly speaking, SNR in 96KHz is not specified on data sheet, but Please give your comment/advise)