PLL

Final Report

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Block Diagram:

1. For Input frequency(f_in) = 5MHz

Fig: waveforms at each nodes of PLL   Fig: waveforms at each nodes of PLL (magnified)

Fig: waveform showing Input output comparison

Result:

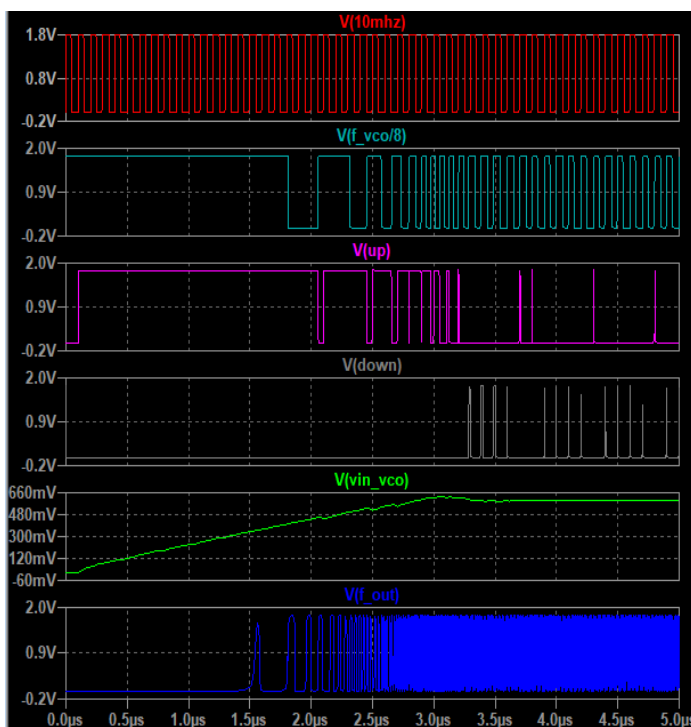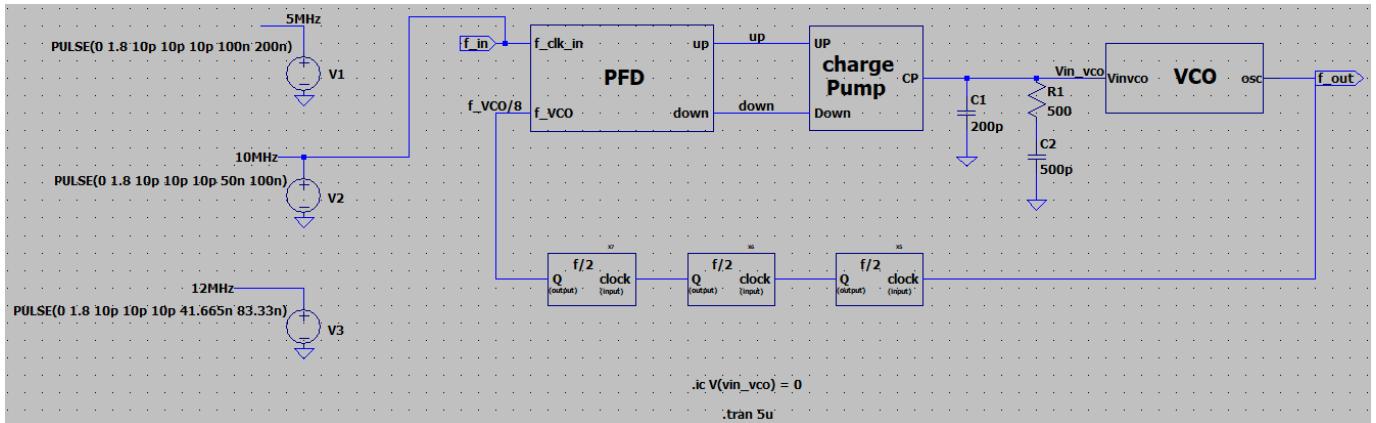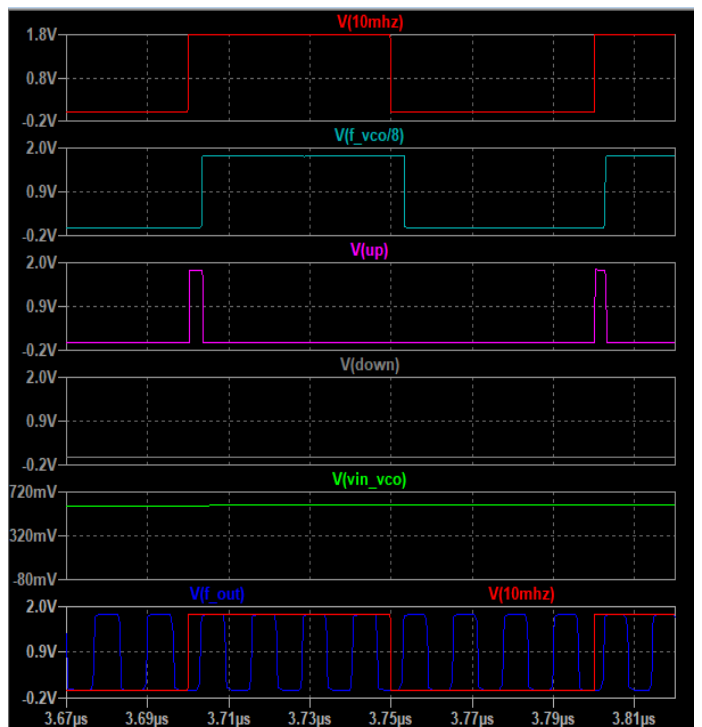| Input frequency(f_in)	5MHz
Output Frequency (f_out)	39.73MHz

2. For Input frequency(f_in) = 10MHz

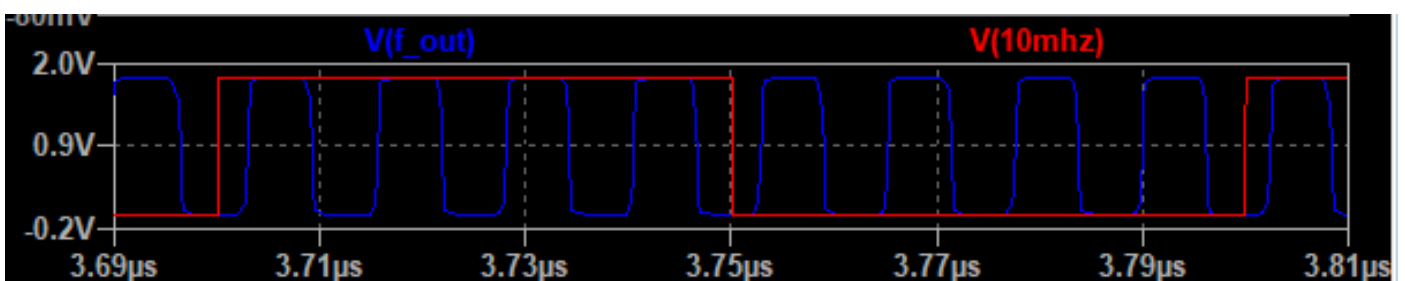Fig: waveforms at each nodes of PLL   Fig: waveforms at each nodes of PLL (magnified)
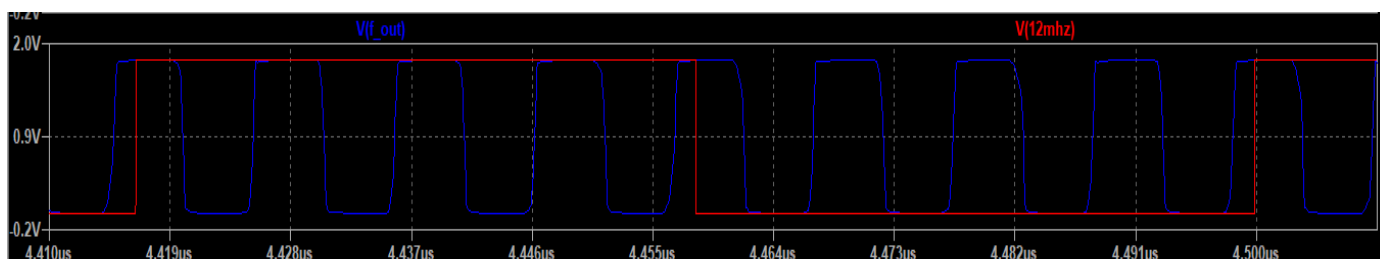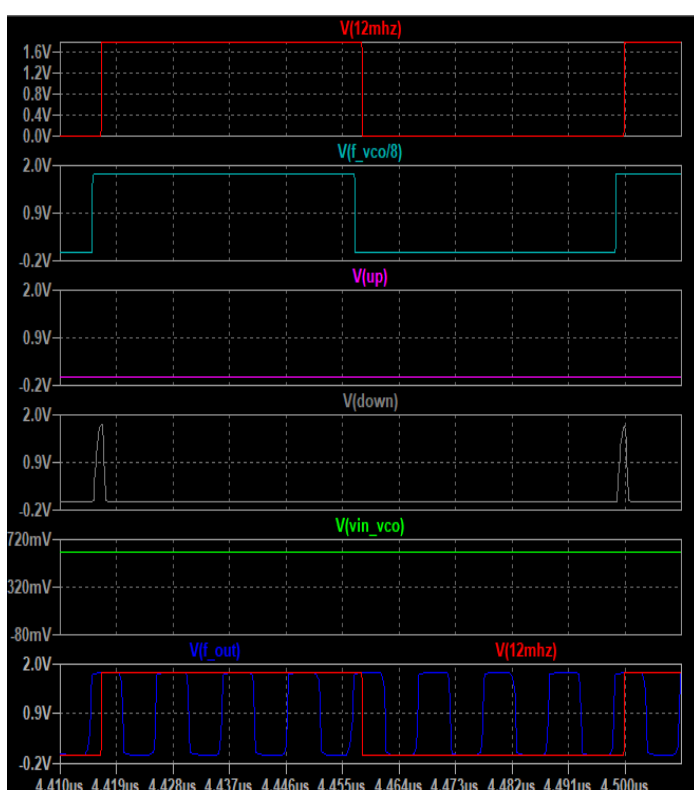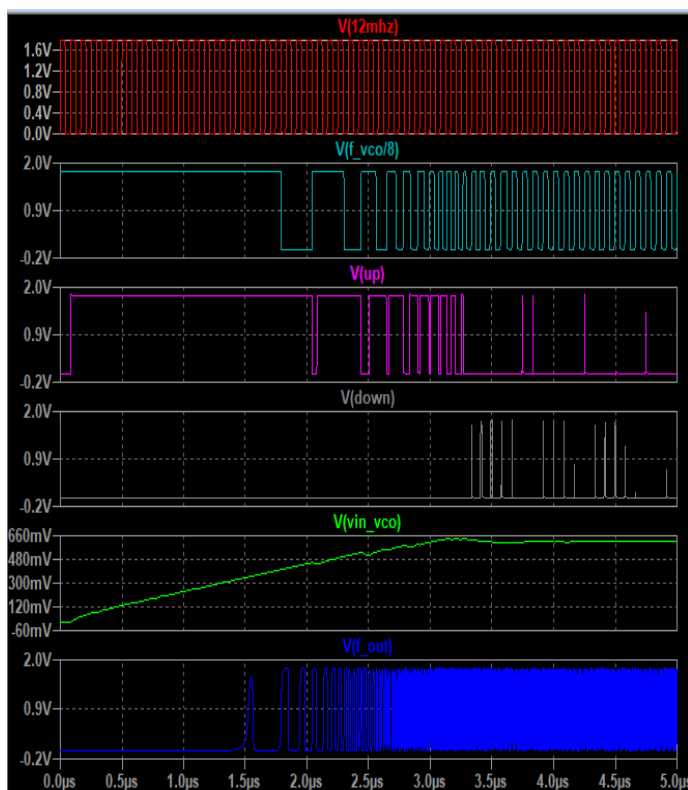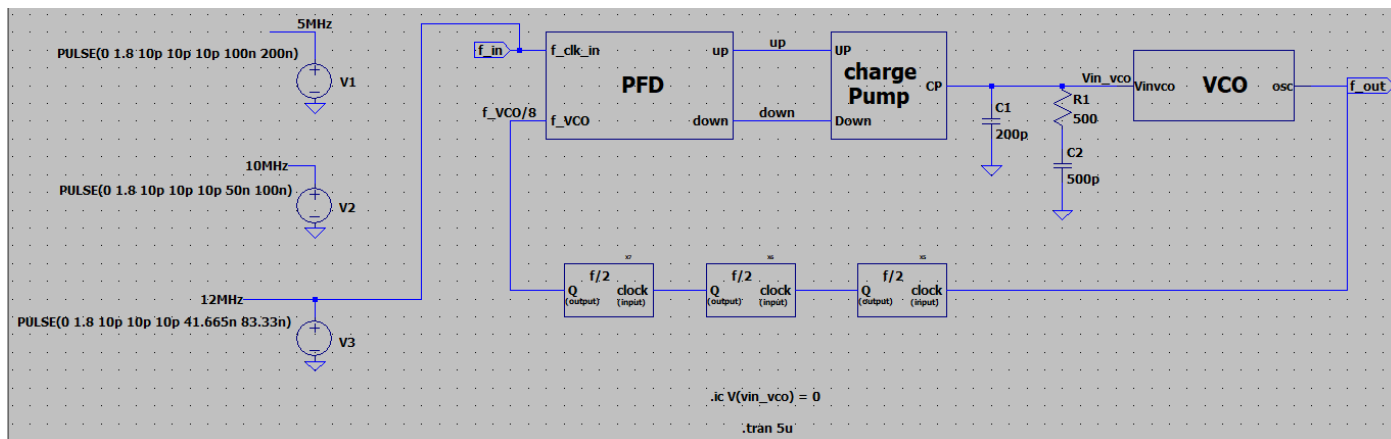

Fig: waveform showing Input output comparison

Result:

Input frequency(f_in)	10MHz
Output Frequency (f_out)	80.91MHz

3. For Input frequency(f_in) = 12MHz

Result:

Input frequency(f_in)	12MHz
Output Frequency (f_out)	96.1 MHz