

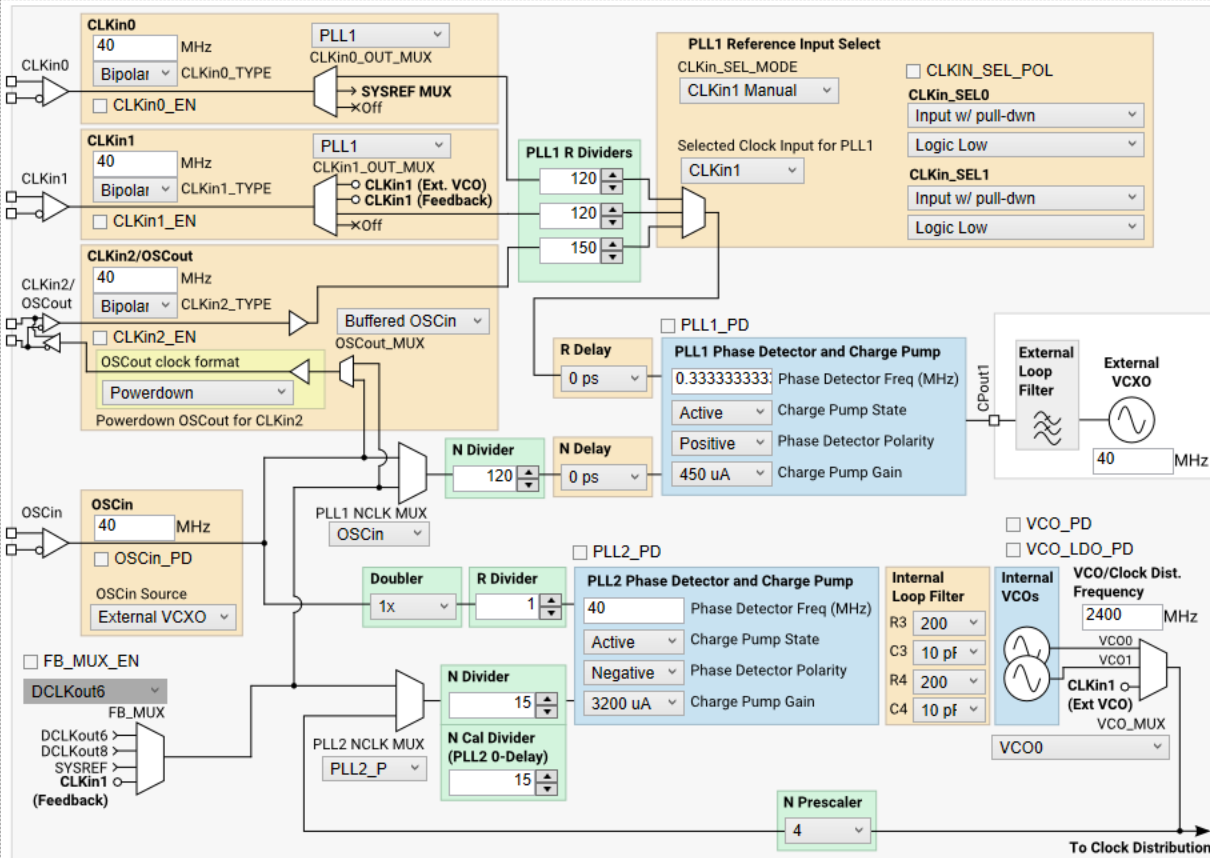
LMK04828B

- User Controls
- Raw Registers
- Set Modes
- CLKin and PLLs
- SYNC/SYSREF
- Clock Outputs
- Current Calculator
- Other
- Burst Mode

General Context

Field Name: PLL2_P

Register Name: R354
 Start Bit: 5
 Stop Bit: 7
 Length: 3



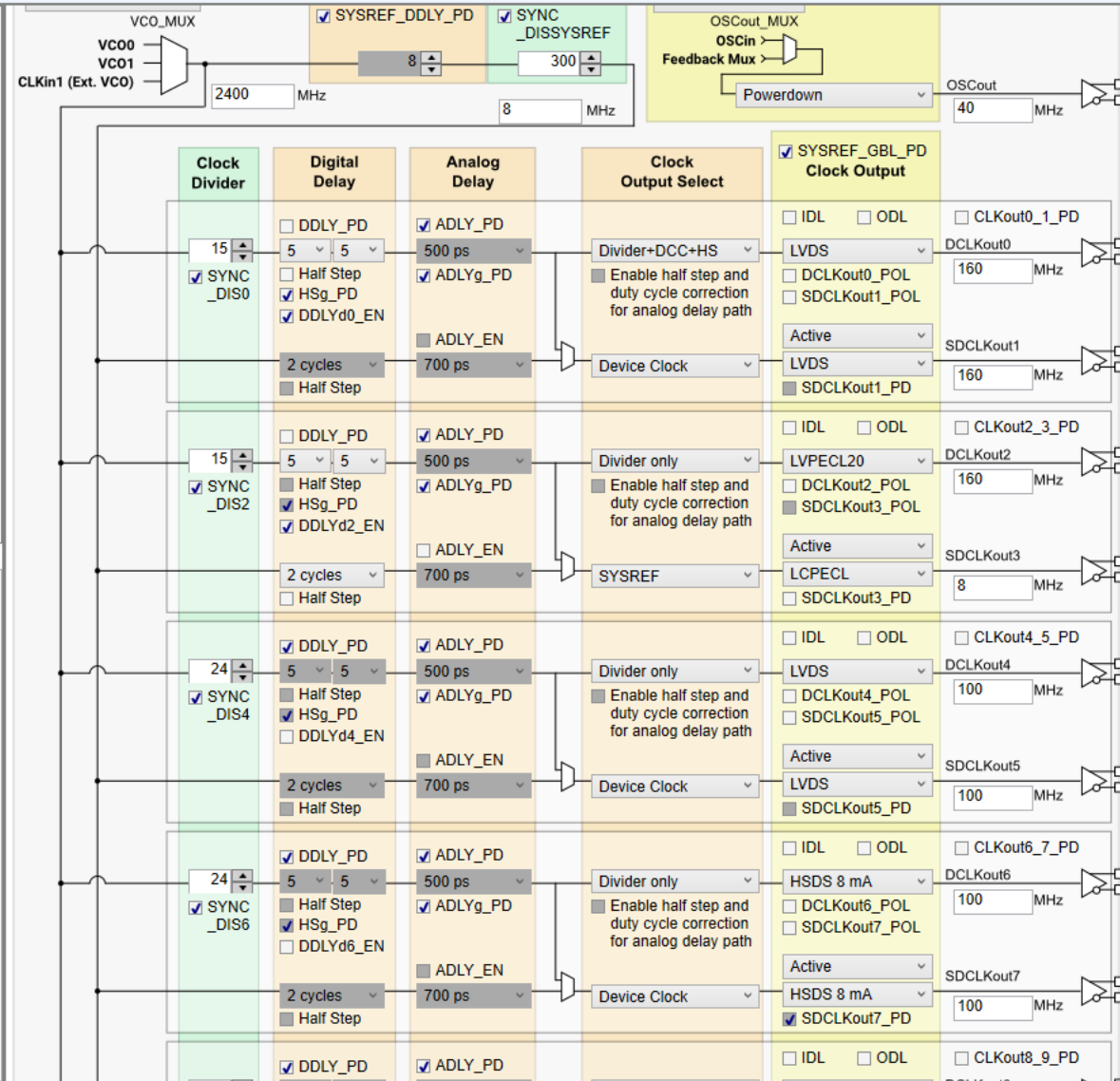
Done
 Wrote Register R354 (0x162) as 0x01 6224
 Wrote Register R354 (0x162) as 0x01 6284

Connection Mode: Device Not Connected
 Protocol: SPI
 Serial #: n/a

- LMK04828B
- User Controls
- Raw Registers
- Set Modes
- CLKin and PLLs
- SYNC/SYSREF
- Clock Outputs**
- Current Calculator
- Other
- Burst Mode

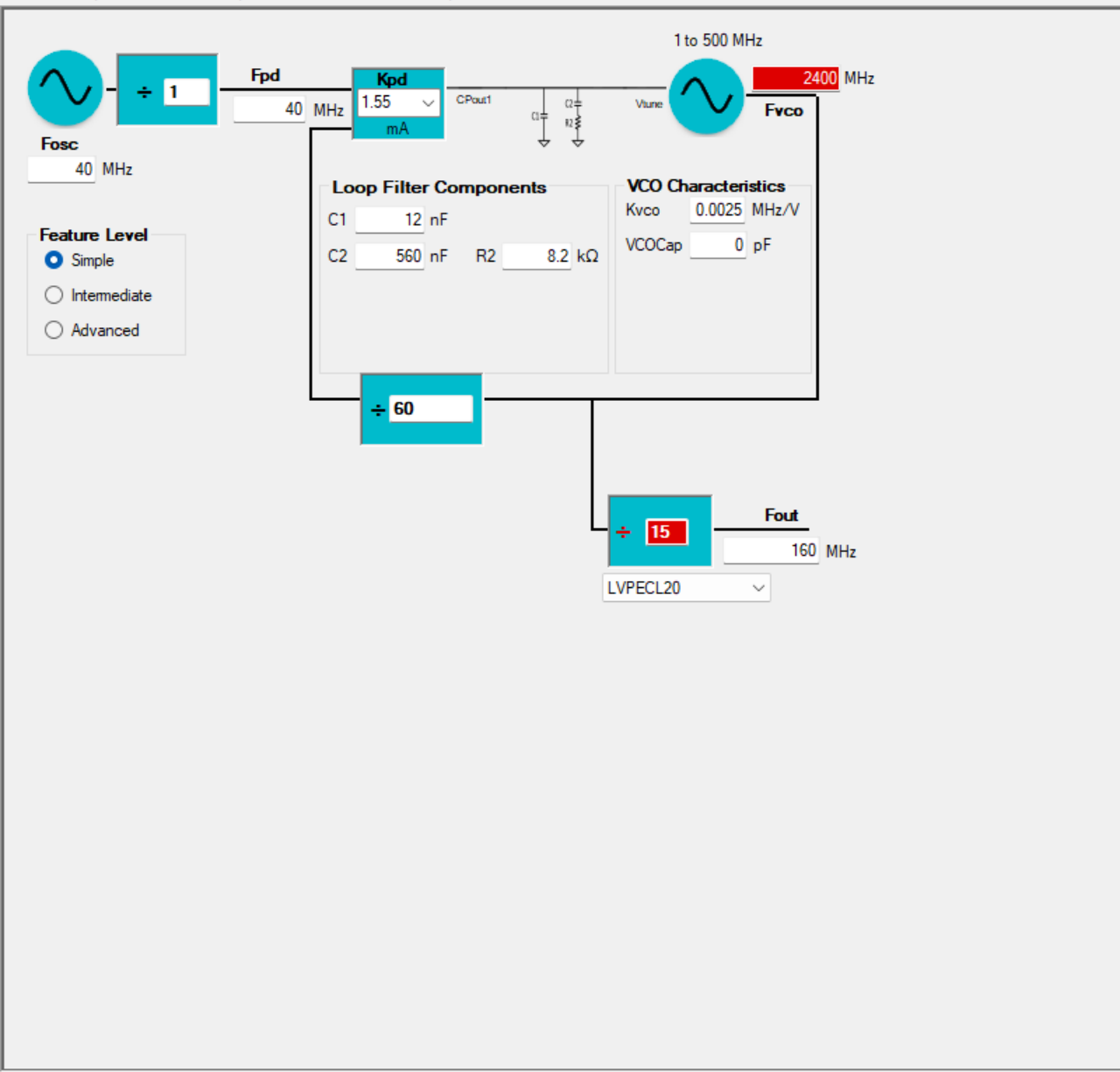
General Context

Clock Outputs



Done
 Wrote Register R354 (0x162) as 0x01 6224
 Wrote Register R354 (0x162) as 0x01 6284

Connection Mode: **Device Not Connected**
 Protocol: SPI
 Serial #: n/a



Feature Level

- Simple
- Intermediate
- Advanced

Select Device Filter Designer Phase Noise Bode Plot

Specify Device Selection Criteria

Frequency Clear Filters

Fixed Tunable MHz

Choose Device Type

All Devices

Click Required Features

- 5V Charge Pump
- Distribution Mode
- Fractional PLL
- Integrated VCO
- Multiple Output
- Multiple PLL
- Hero Device

Select a Device

- LMK03328
- LMK03806B
- LMK04208
- LMK04803B
- LMK04805B
- LMK04806B
- LMK04808B
- LMK04816B
- LMK04821B
- LMK04826B
- LMK04828B**
- LMK04832
- LMK04832-SP
- LMK04906B

Device Description

Dual Loop Jitter Cleaner

PLL Description:

PLL2

VCO Description:

Internal VCO

Output Description:

Differential Output

Update Diagram from TICSPRO

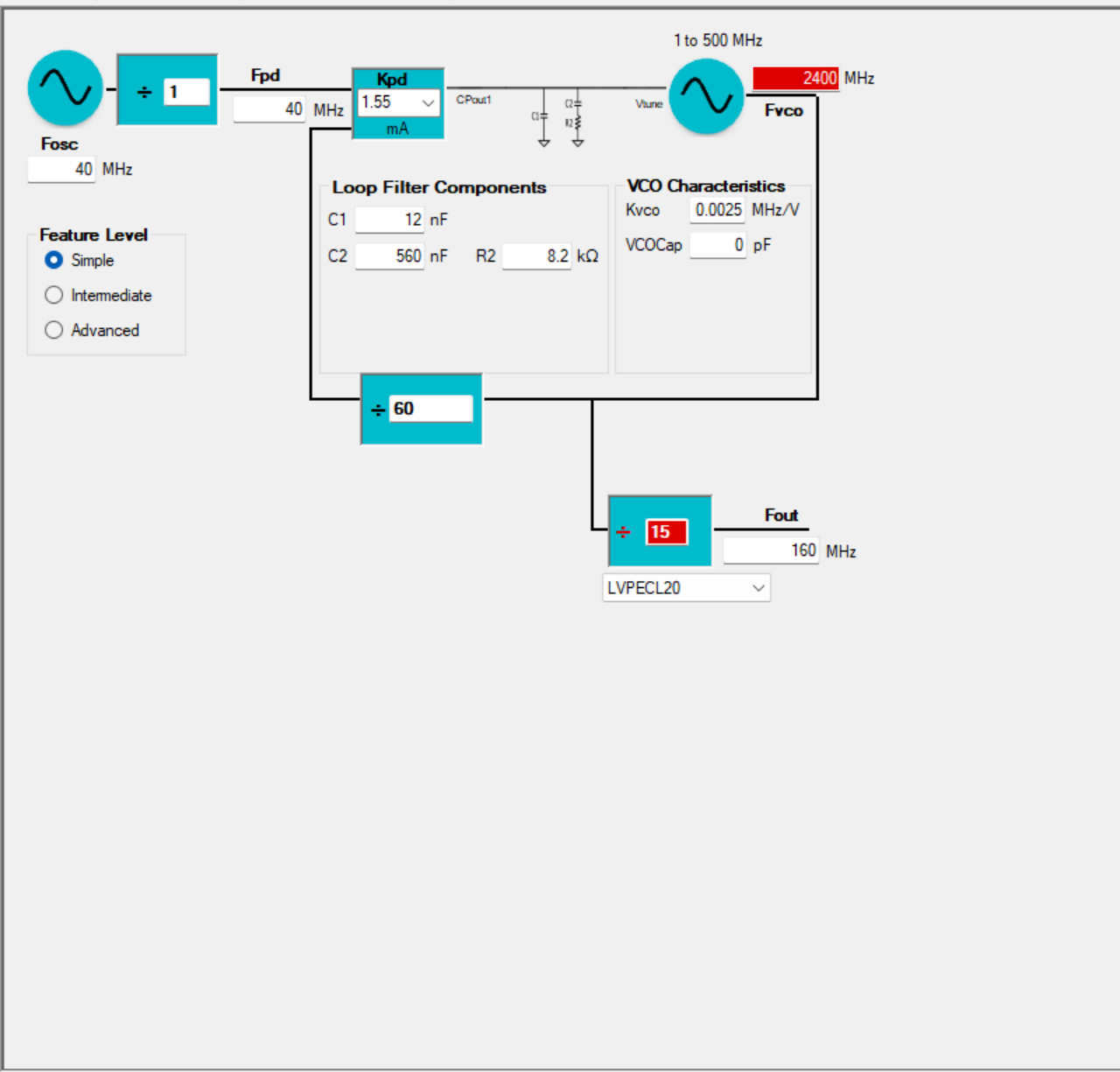
Configure Device

PLL2

VCO0

Load Device

D:\proj-optilab\ti\40M.LMK04828.tcs



Select Device Filter Designer Phase Noise Bode Plot

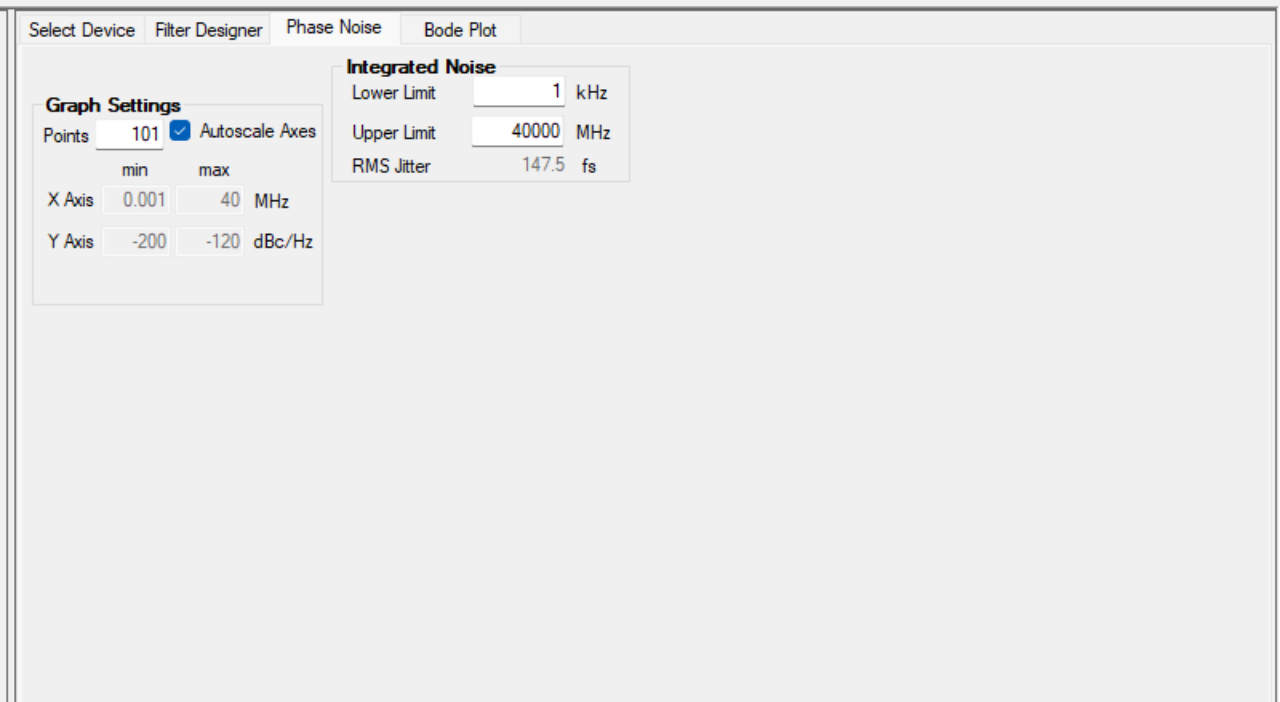
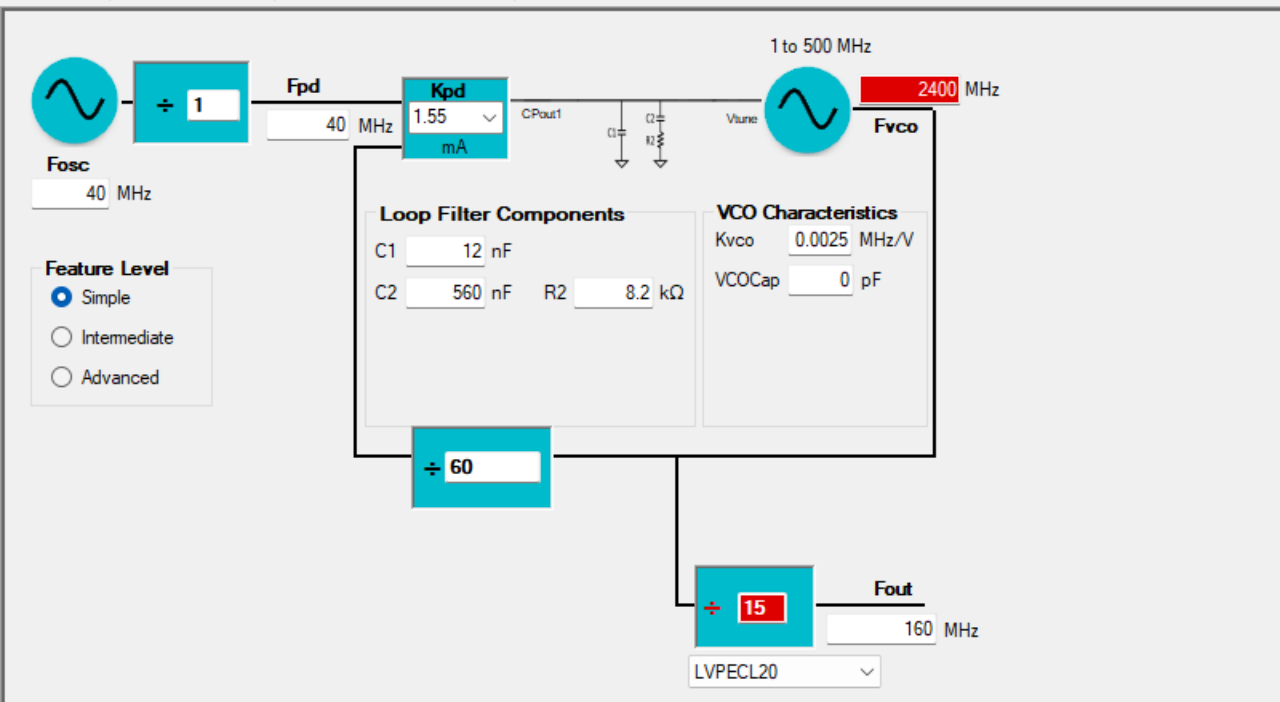
Filter Architecture ?

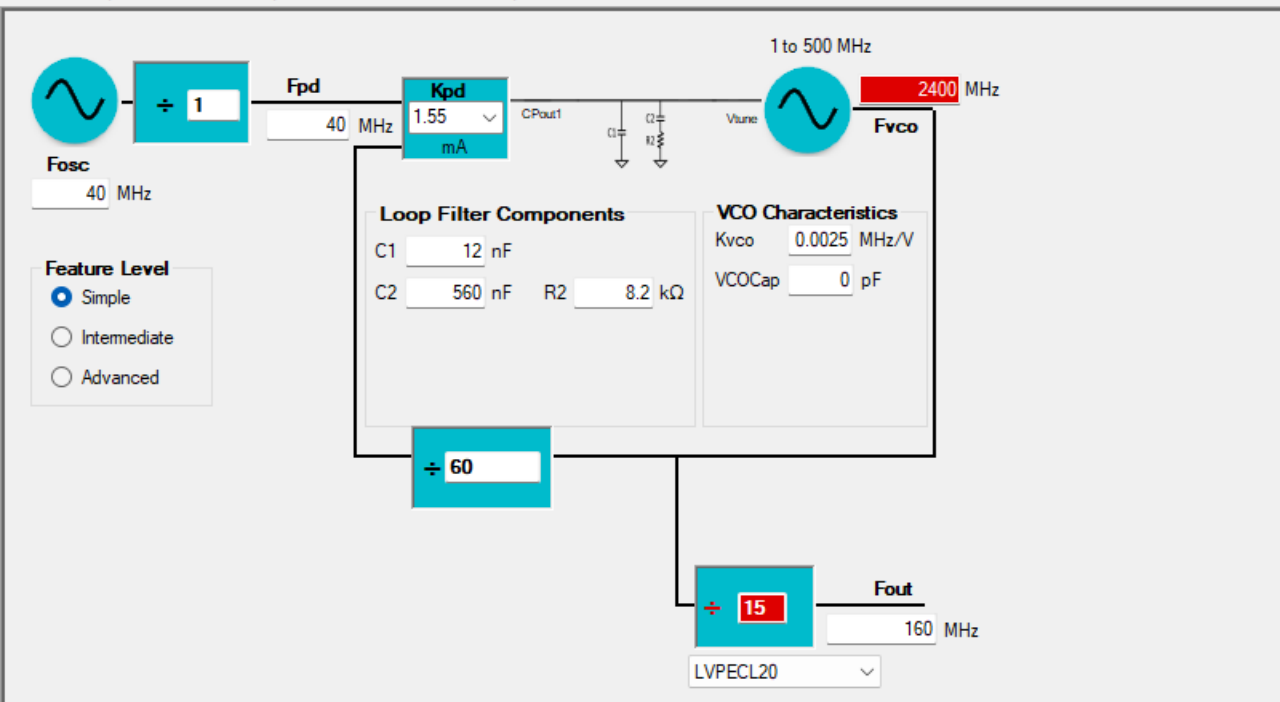
Filter Order: 2nd Order
 Filter Type: Passive

Filter Parameters ?

Calculate Loop Filter

	Design Target	Actual
Loop Bandwidth	0.1 kHz <input checked="" type="checkbox"/> Auto	0.088493 kHz





Select Device Filter Designer Phase Noise Bode Plot

Graph Settings

Points 101 X Axis min 0.001 max 100 MHz
Autoscale Axes Y Axis min -100 max 100 dB/degrees

Loop Filter Characteristics ?

Loop Bandwidth	0.0884938 kHz
Phase Margin	65.5458 deg
Gamma	.1368
T3/T1 Ratio	%
T4/T3 Ratio	%
Gain Margin	1000 dB
Damping Factor	0.6231592 dB
Natural Frequency	0.0710042 kHz

