To perform MFS by changing the sense clock dividers, you need to change the method of MFS in the expression view parameter. For this you need to follow these steps.

 In PSoC Creator, go to Tools -> Options. In that navigate to Design Entry -> Component Catalog and enable the checkbox Enable Param Edit Views. Click OK to apply changes.

Options		?	×
Project Management Design Entry General Sheet Templates Component Catalog Component Security Language Support Text Editor Program/Debug Environment	□ Show Hidden Components Component Configure Dialog		
Restore All Defaults	OK Apply	Cancel	

2. Double click on the CapSense component and navigate to the Advanced Tab. Right click on the Advanced tab and choose Show expression view.

re 'CapSense'					
configuration 🛛 🕁 Save c	onfiguration 📄 Exp	oort Register Map			
CapSense_1					
asic Advanc Show Cu	and an a Marca				
aral CSD Settine Show Ex		Scan Order			
	Show Expression Vie	SD sensing mode is selected in the Basic tab.			
in seungs		Enable shield electrode			
dulator clock frequency (kHz					
tual frequency (kHz): nse clock source:	N/A Auto	Enable the shield electrode for reliable operation in the presence of water droplets			
Enable common sense clock					
Sense dock frequency (kHz					
Actual frequency (kHz):	N/A				
ctive sensor connection:	a				
cuve sensor connection.	Ground	~			
AC sensing configuration:	IDAC sourcing				
Enable IDAC auto-calibration	n				
Enable compensation IDAC					
atasheet				01	A-1
atasheet				OK	Apply

3. Under General settings, change the MultiFreqScanMethod to Change sense Clock

Configure 'CapSense'				? X
Load configuration 🚽 Save config	uration 🄿 Export Register Map			
Name: CapSense_1				
Basic Advanced Gestures	Built-in			4.6
		_		
ProxlirFilterBaselineN	1	_	f(x) *	Value: 1
ProxlirFilterBaselineType	Performance	 	f(x)	Value name: MFS_SNS_CLK Value display name: Change Sense
SensorAutoResetEnable		 -	f(x)	Clock
MultiFreqScanEnable		-	f(x)	Parameter: SMultiFreqScanMethod
BaselineType	IIR	\sim	f(x)	
ThresholdSize	16 bits	\sim	f(x)	
LowBaselineResetSize	8 bits	\sim	f(x)	
NumCentroids	1 (Legacy)	\sim	f(x)	
Centroid4PtsEnable			f(x)	
TouchProxThresholdCoeff	300		f(x)	
BlockOffAfterScanEnable			f(x)	
OffDebounceEnable			f(x)	
PoslirFilterCoeff	128		f(x)	
Widget8aselineCoeffEnable			f(x)	
CustomDataStructSize	0		f(x)	
CsdSensingMethod	Legacy	\sim	f(x)	
CsdV2AnalogWakeupDelayUs	0	_	f(x)	
ImoFreqOffsetF1	20		f(x)	
ImoFreqOffsetF2	20		f(x)	
MultiFreqScanMethod	Change Sense Clock	~	f(x)	
RadialSliderPoslirResetThr	35		f(x)	
SecondFinger5x5FilterEnable			f(x)	
SliderMultiplierMethod	MaxPos / (SnsNum -1)	\sim	f(x)	
TouchpadMultiplierMethod	MaxPos / (SnsNum -1)	~	f(x)	
CSD Settings				
CsdModClockFreq	24000		f(x)	
CsdSenseClockSource	Auto	~	f(x)	,
Datasheet		0	К	Apply Cancel

4. Under CSD settings, modify the csdMFSDividerOffsetF1 and csdMFSDividerOffsetF2 to change the sense clock dividers.

Configure 'CapSense'				? ×
🍟 Load configuration 🛛 🛃 Save config	uration 🎐 Export Register Map			
Name: CapSense_1				
Basic Advanced Gestures	Built-In			4 Þ
SliderMultiplierMethod	MaxPos / (SnsNum -1)	~	f(x)	Type: MFSMethodType
TouchpadMultiplierMethod	MaxPos / (SnsNum -1)	~	f(x)	Value: 1 Value name: MFS_SNS_CLK
 CSD Settings 				Value display name: Change Sense Clock
CsdModClockFreq	24000		f(x)	Parameter: \$MultiFreqScanMethod
CsdSenseClockSource	Auto	~	f(x)	
CsdCommonSenseClockEnable			f(x)	
CsdInactiveSensorConnection	Ground	~	f(x)	
CsdldacConfig	IDAC Sourcing	~	f(x)	
CsdldacAutoCalibrateEnable	2		f(x)	
CsdldacCompEnable			f(x)	
Csd2xEnable			f(x)	
Csd0ShieldEnable			f(x)	
CsdRawCountCalibrationLevel	85		f(x)	
CsdDedicatedIdacCompEnable			f(x)	
Csd0ldacGainV2	High (2400 nA/bit)	~	f(x)	
CsdDualldacLevel	50		f(x)	
CsdSnsClockConstantR	1000		f(x)	
CsdPrescanSettlingTime	5		f(x)	
CsdAutoZeroEnable			f(x)	
CsdNoiseMetricEnable			f(x)	
CsdVrefV2	-1		f(x)	
CsdAnalogStartupDelayUs	10		f(x)	
CsdFineInitCycles	10		<u>f(x)</u>	
CsdMFSDividerOffsetF1	1		fø)	
CsdMFSDividerOffsetF2	2		f Ø	
 Self Test 	·			
SelfTestEnable			f(x)	~
Datasheet			ок	Apply Cancel

CAUTION: PLEASE DO NOT MODIFY ANY OTHER PARAMETERS WITHOUT CLARIFYING WITH CYPRESS. MOST OF THE PARAMETERS HERE ARE NOT TESTED AND CYPRESS DOESN'T GUARENTEE CAPSENSE PROPER OPERATION IF THESE VALUES ARE MODIFIED.