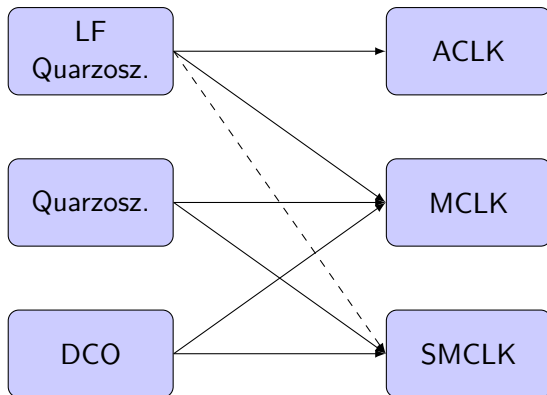


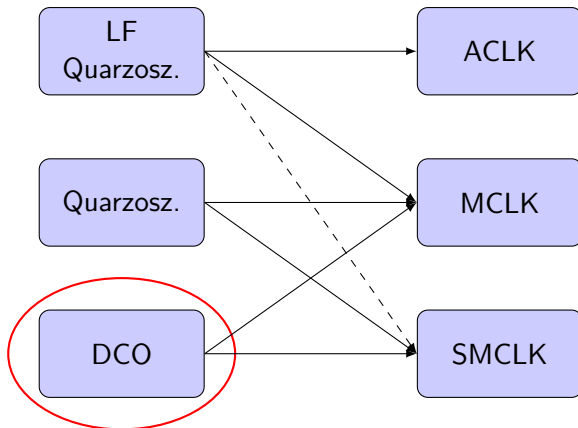
DCO

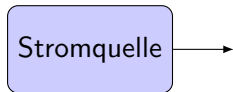
Digitally-Controlled Oscillator

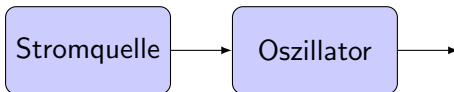
Daniel Winz

22. März 2013

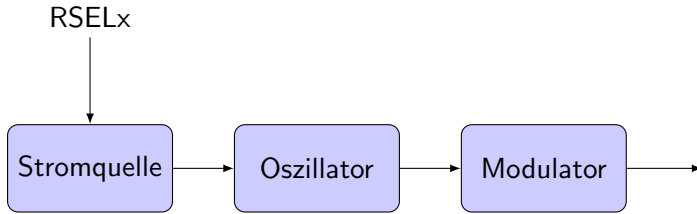


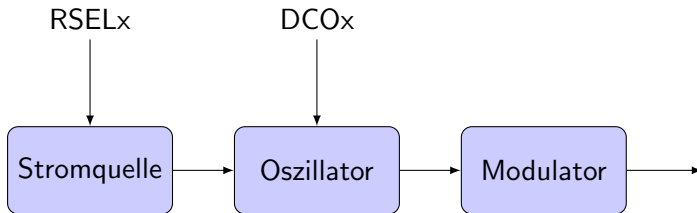


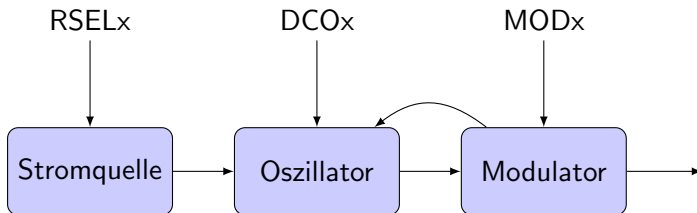




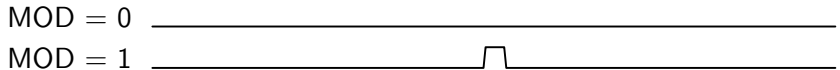


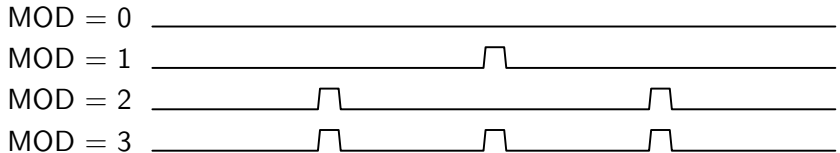


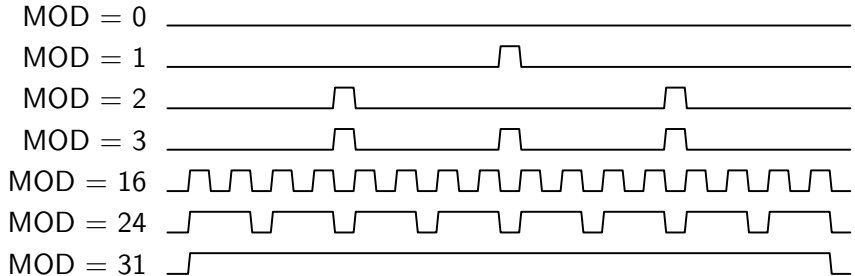




MOD = 0







MSP430G2x53
MSP430G2x13

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DCO Frequency

over recommended ranges of supply voltage and operating free-air temperature (unless otherwise noted)

PARAMETER		TEST CONDITIONS	V _{CC}	MIN	TYP	MAX	UNIT
V _{CC}	Supply voltage	RSELx < 14		1.8		3.6	V
		RSELx = 14		2.2		3.6	
		RSELx = 15		3		3.6	
f _{DCO(0,0)}	DCO frequency (0, 0)	RSELx = 0, DCOx = 0, MODx = 0	3 V	0.06		0.14	MHz
f _{DCO(0,3)}	DCO frequency (0, 3)	RSELx = 0, DCOx = 3, MODx = 0	3 V	0.07		0.17	MHz
f _{DCO(1,3)}	DCO frequency (1, 3)	RSELx = 1, DCOx = 3, MODx = 0	3 V		0.15		MHz
f _{DCO(2,3)}	DCO frequency (2, 3)	RSELx = 2, DCOx = 3, MODx = 0	3 V		0.21		MHz

Abbildung: Auszug aus dem Datenblatt des MSP430G2553

- Texas Instruments

- Texas Instruments
MSP430F2x $\rightarrow \pm 1\%$

- Texas Instruments
MSP430F2x $\rightarrow \pm 1\%$
- Inbetriebnahme

- Texas Instruments
MSP430F2x $\rightarrow \pm 1\%$
- Inbetriebnahme
- FLL