

OSZI: TRIO 60 CS-1060

VOLTS/DIV 0.5s
SWEEP TIME/DIV 2 µs
PUSH x10MAG EIN

BITS sind in der Reihenfolge der Übertragung (links nach rechts)

	BITS	DEZIMAL	kHz
FTW&CW:	%11000011 11001101 01000101 10001000 10000000	295875523	12400000

Design Tools: ADIsimDDS (Direct Digital Synthesis)

AD9851

[Product Page](#)[Data Sheets](#)[Select DDS](#)

AD9851

[Need Help?](#)[Ref Clock Frequency](#)

30

MHz

[Desired Output Frequency](#)

12.4

MHz

[Ref Clock Multiplier](#)

6x Multiplier

[Actual Output Frequency](#)

12.4000000068918 MHz

[Frequency Tuning Word](#)

00010001 10100010 10110011 11000101

☐ hex☒ bin☐ dec

Berechnung:

```
const AD9851_ReferenceFrequency: real = 30;      // Reference Oszillator in MHz
const AD9851_ClockMultiplier: byte = 6;          // Multiplier

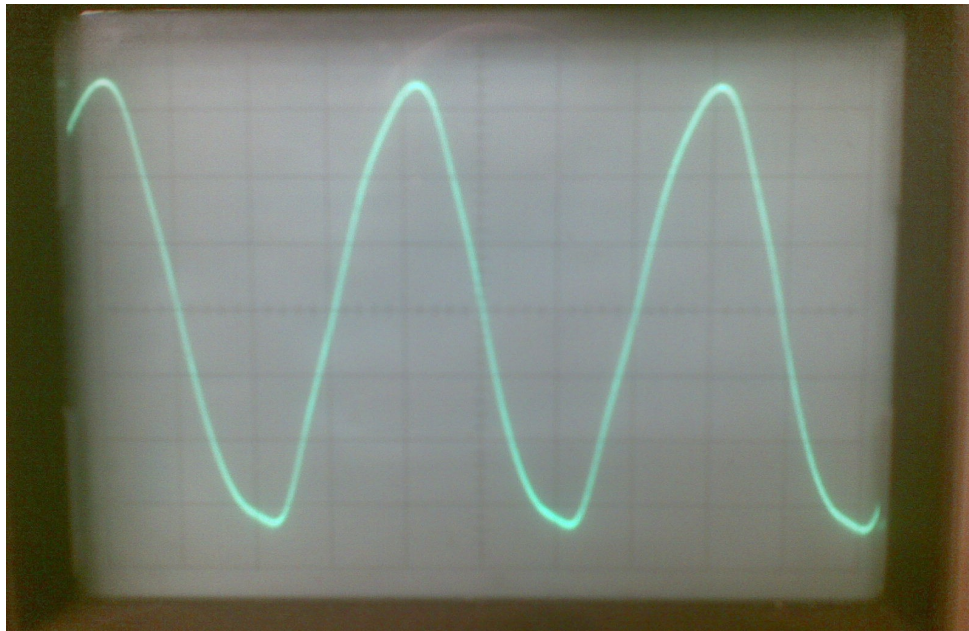
const zf:dword = 9*1e6;

var vfo: real; // in Hz;
    ftw: dword;
    freq: dword;

vfo:=3.4*1e6;

freq:=(vfo+zf);

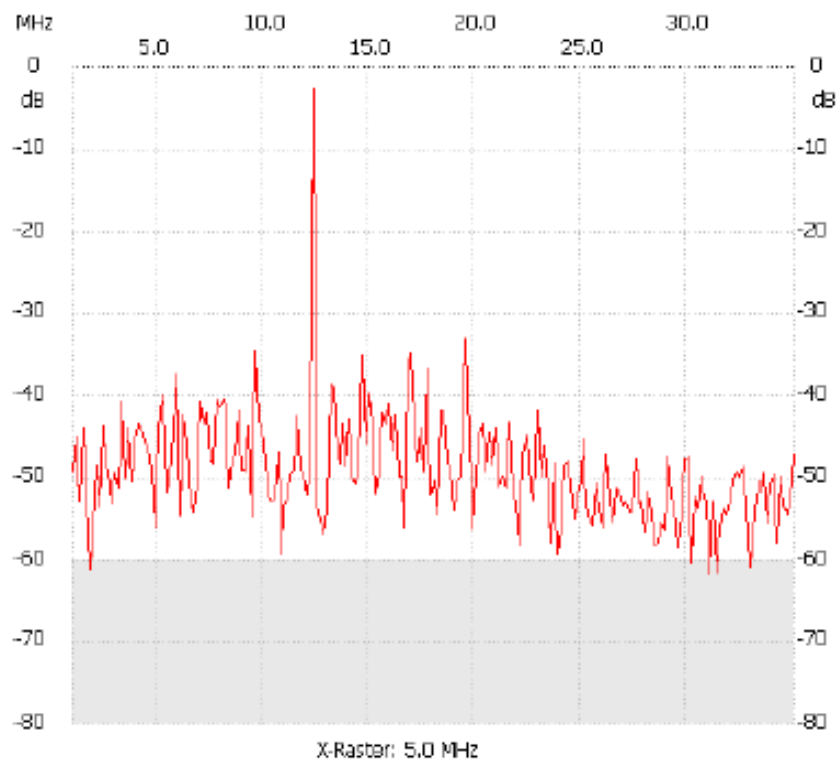
ftw:=AD9851_Calculate_Frequency(freq,
    AD9851_ReferenceFrequency*AD9851_ClockMultiplier*1e6);
```



NWT 4 Linux & Windows 08 Dezember 2010, 11:51

Startfrequenz: 1.000000 MHz; Endfrequenz: 34.999966 MHz

Schrittweite: 153.846 kHz; Messpunkte: 222



Kanal 1

max: -2.58dB 12.230758MHz

min: -61.68dB 30.999970MHz