

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:	%10110000 11001010 11101001 11011000 10000000	462902029	19400000

## Design Tools: ADIsimDDS (Direct Digital Synthesis)

**AD9851** [Product Page](#) [Data Sheets](#)

Select DDS:  [Need Help?](#)

Ref Clock Frequency:  MHz

Desired Output Frequency:  MHz

Ref Clock Multiplier:

Actual Output Frequency: **19.4000000087544 MHz**

Frequency Tuning Word: **00011011 10010111 01010011 00001111**

hex  bin  dec

Berechnung:

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

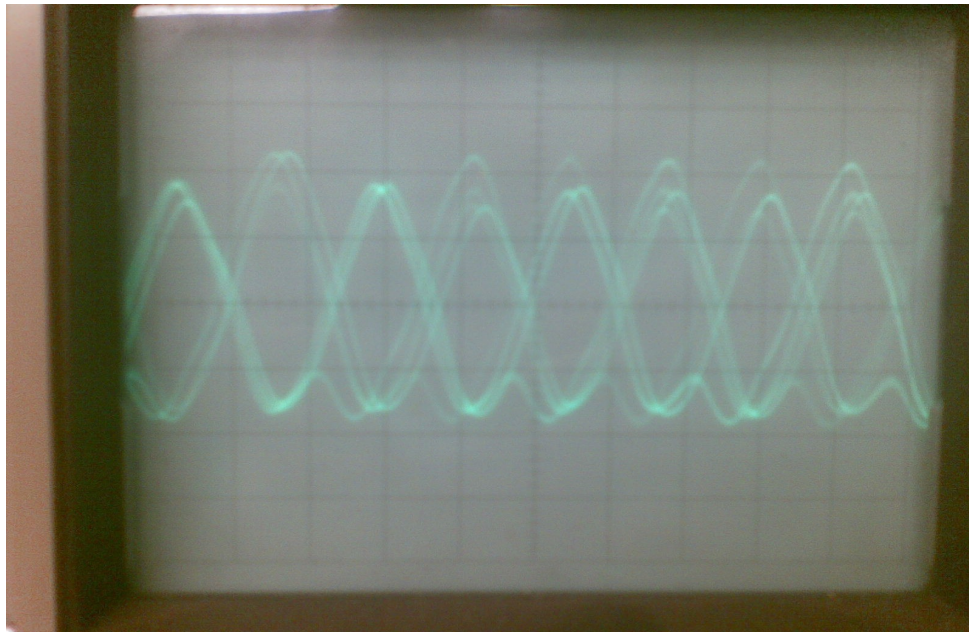
const zf:dword = 9*1e6;

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

vfo:=10.4*1e6;

freq:=(vfo+zf);

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



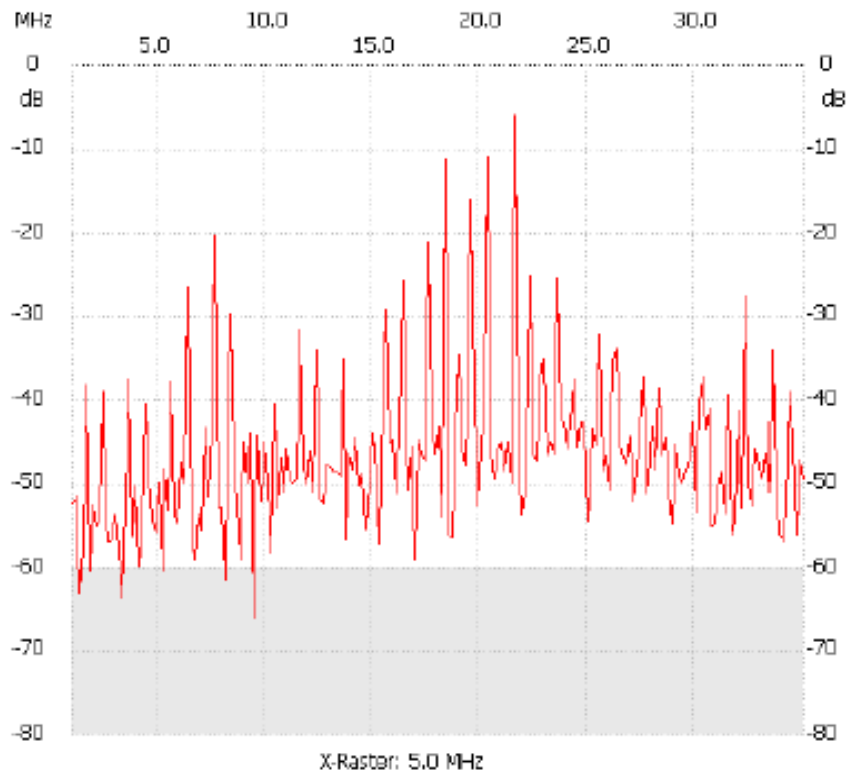
NWT 4 Linux & Windows 08 Dezember 2010, 11:44

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Startfrequenz: 1.000000 MHz; Endfrequenz: 34.999966 MHz

Schrittweite: 153.846 kHz; Messpunkte: 222

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Kanal 1

max: -5.85dB 21.461518MHz

min: -66.11dB 9.307684MHz

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