

Datei Help Sequenz

Measurement Settings

START Frequency:

1000

MHz

END Frequency:

2000

MHz

Frequency Steps:

100

step

Average:

10

step

SAVE ALL

Load Saved Settings

Tune&Match Settings

Tune U\_max:

3.3

V

Match U\_max :

5

V

Number of Freq. :

10

V

LUT Size :

20

step

Read TM-file

Send to MC

MC COMport:

COM 4

generate TM-file

info box

Sample: \_test\_Sample

Experiment: \_test\_Experiment

Data: \_test\_Data

Puls info:

number of Pulses:

Puls info: fid

Set FID Sequence

Set Spin-Echo Sequence

Set Comp. Puls Sequence

Set Spin\_Echo Phase Seq.

Own Sequence

Number of Pulses:

Load last Run

RUN

Filestruktüre

Re-Evaluate & Ploting

Save & Close

Test

Debug Logger:

DEBUG

Measurement settig loadet

freq\_start 1000

freq\_end 2000

freq\_step 100

freq\_average 10

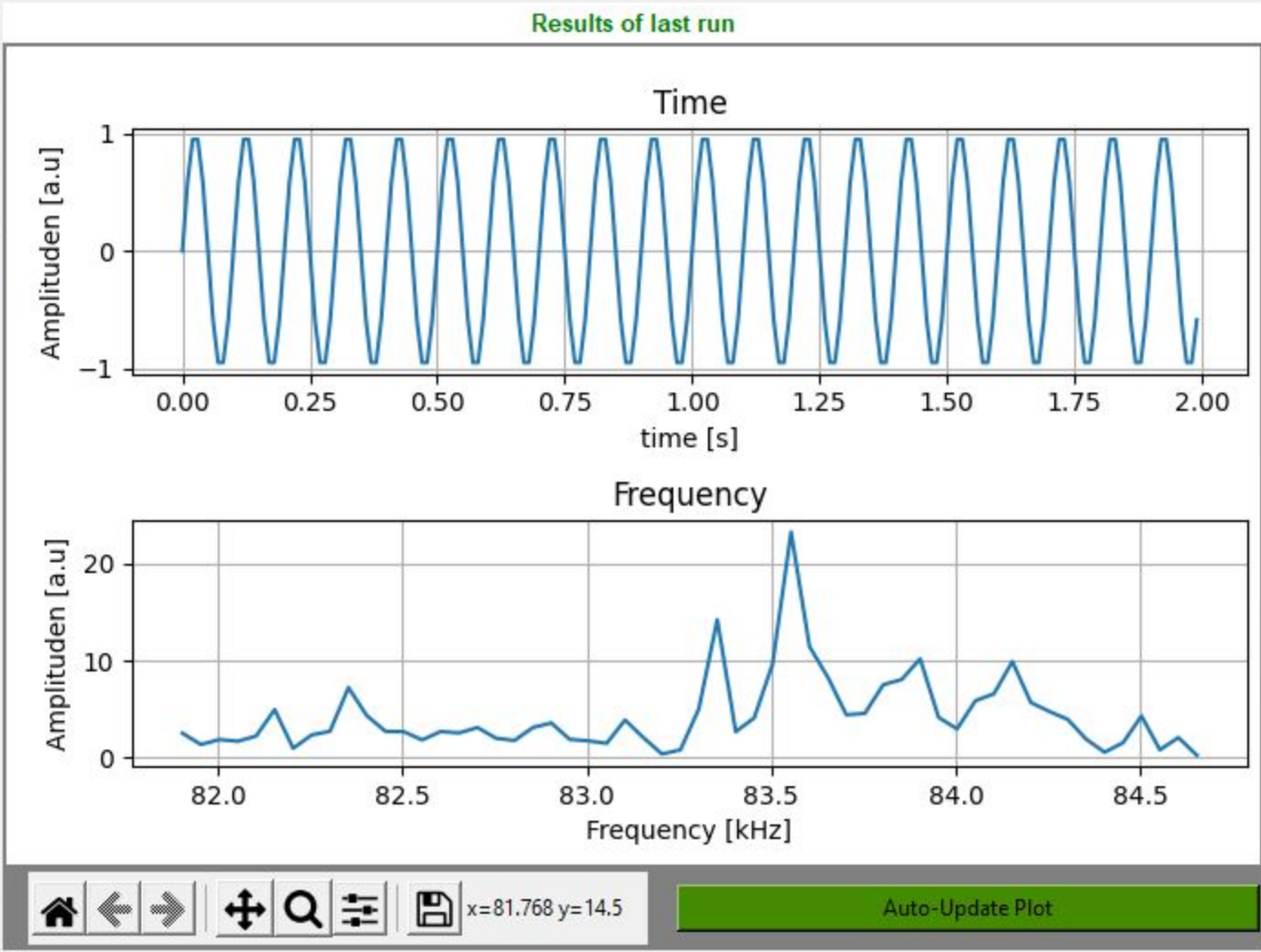
Tune and Match settings set

tune 3.3

match 5

tm\_step 10

lut 20





## Set Experiment Structure

### Selected Parameters

Sample: \_test\_Sample

Experiment: \_test\_Experiment

Data: \_test\_Data

### Comment for Experiment:

Area to Comment on the Experiment

Comments for the Experiment Collected:

Area to Comment on the Data

Comments for the Data Collected:

### Load Experiment-Parameters

Load Pre-Existing Settings

Save & Close Window

Close Window

### New Experiment-Parameters

Set Sample Folder Name:

Ex: TuGraz

Set Experiment Folder Name:

Ex: Bismut

Set Data Folder Name:

Ex: FID, Spin-Echo,

Set Parameters

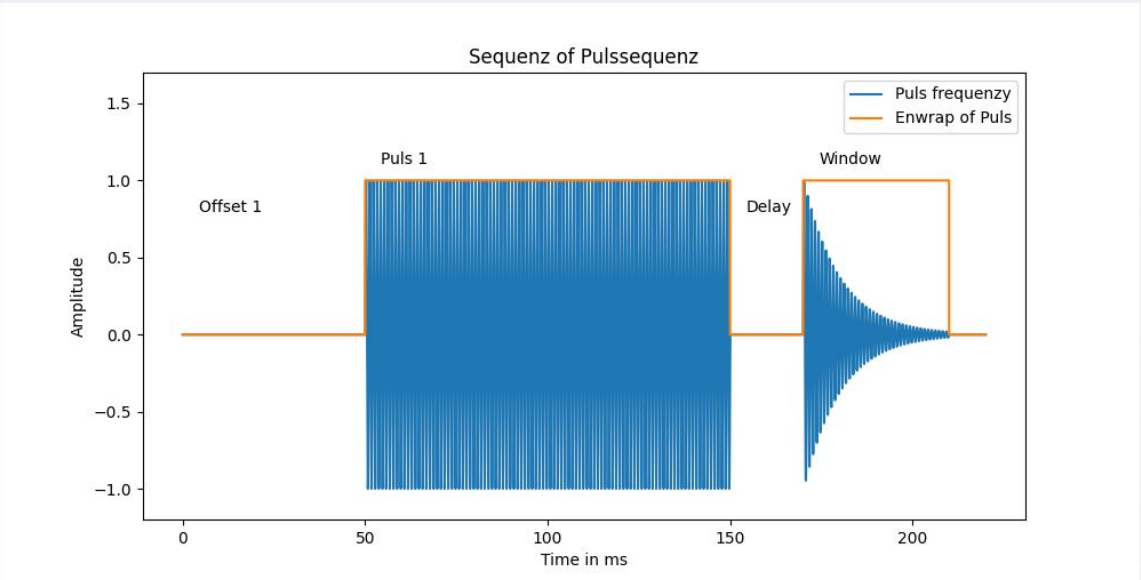
# Set Sequenz

info box

Sequenz selected:  
fid

Measurement Settings  
START frequency: 1000  
END frequency: 2000  
frequency steps: 100  
average: 10

Experiment strukture:  
Sample: \_test\_Sample  
Experiment: \_test\_Experiment  
Data: \_test\_Data



SDR Settings

RX gain	55.0
TX gain	40.0
RX low-pass	3000000.0
TX low-pass	130000000.0
correction_tx_i_dc	-45
correction_tx_q_dc	0
correction_tx_i_gain	2047
correction_tx_q_gain	2039
correction_tx_pahse	3
correction_rx_i_dc	0
correction_rx_q_dc	0
correction_rx_i_gain	2047
correction_rx_q_gain	2047
correction_rx_phase	0

Timing of Puls

Puls 1 in ms	100
Delay 1 in ms	50

Readout

Repetition time in ms	5
Acquirer time in ms	40
gate_signal array	1 0 50 10
Blanking time in ms	20
Window Time in ms	40

Phase & Puls-parameter

phase_number array	4 1
phase_number array	0 1
phase_puls array	0 0.7853981633974483
number_phase_level array	1
puls_amplitude	1

# Set sequence

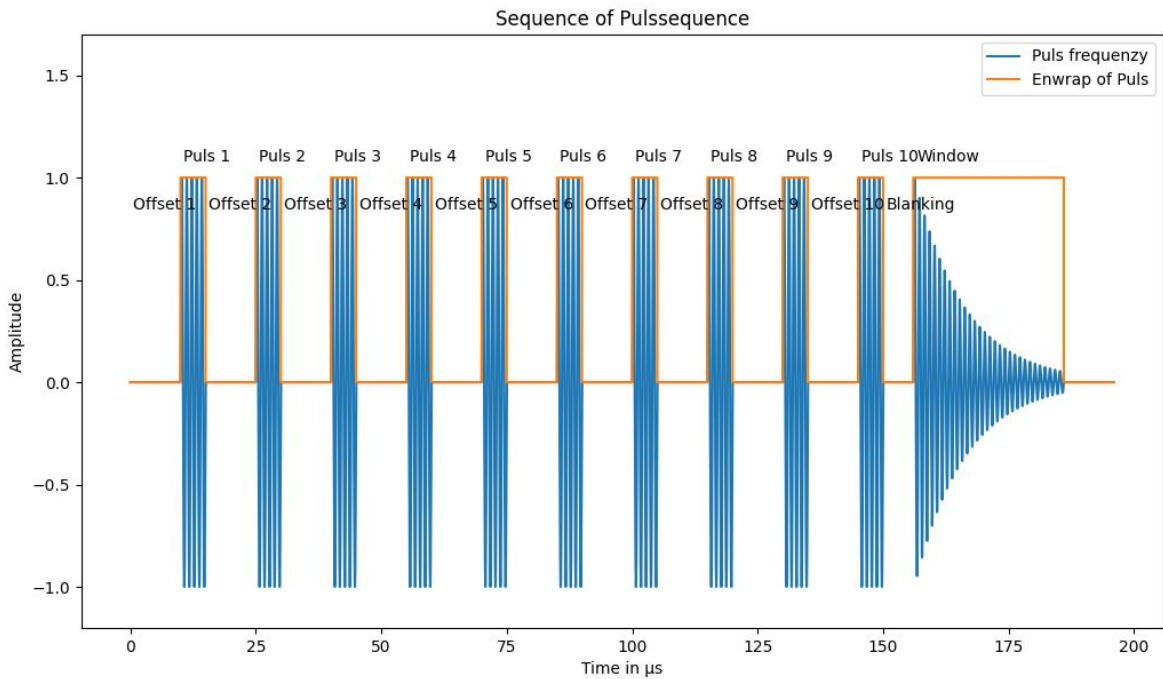
info box

sequence selected:  
own

Measurment Settings  
START frequency: 1000  
END frequency: 2000  
frequency steps: 100  
average: 10

last Pulse set  
Pulse in sec: [3e-06]  
Offset in sec: [300]  
Pulse Amplitude: 1

Experiment strukture:  
Sample: \_test\_Sample  
Experiment: \_test\_Experiment  
Data: \_test\_Data



SDR Settings

RX gain	55.0
TX gain	40.0
RX low-pass	3000000.0
TX low-pass	130000000.0
correction_tx_i_dc	-45
correction_tx_q_dc	0
correction_tx_i_gain	2047
correction_tx_q_gain	2039
correction_tx_phase	3
correction_rx_i_dc	2047
correction_rx_q_dc	2047
correction_rx_i_gain	0
correction_rx_q_gain	0
correction_rx_phase	0

Timing of Puls

Offset 1 in $\mu$ s	12
Pulse 1 in $\mu$ s	
Offset 2 in $\mu$ s	
Pulse 2 in $\mu$ s	
Offset 3 in $\mu$ s	
Pulse 3 in $\mu$ s	
Offset 4 in $\mu$ s	
Pulse 4 in $\mu$ s	
Offset 5 in $\mu$ s	
Pulse 5 in $\mu$ s	
Offset 6 in $\mu$ s	
Pulse 6 in $\mu$ s	
Offset 7 in $\mu$ s	
Pulse 7 in $\mu$ s	
Offset 8 in $\mu$ s	
Pulse 8 in $\mu$ s	
Offset 9 in $\mu$ s	
Pulse 9 in $\mu$ s	
Offset 10 in $\mu$ s	
Pulse 10 in $\mu$ s	

Readout

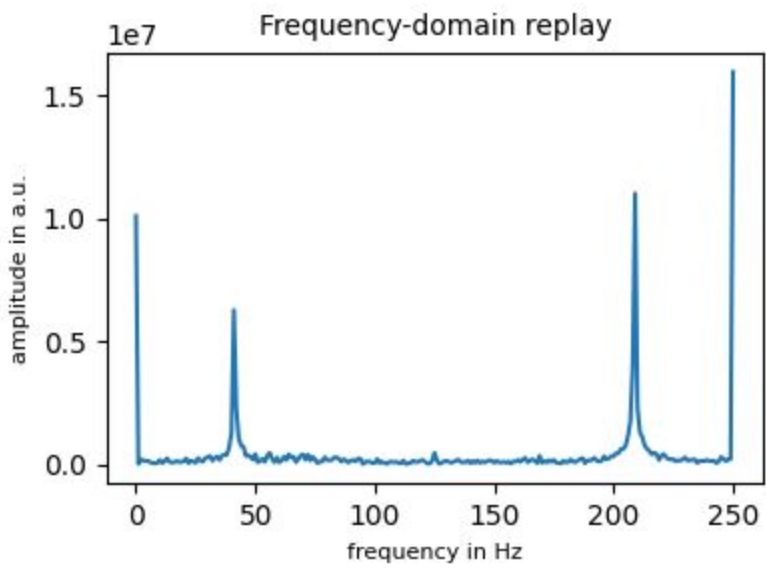
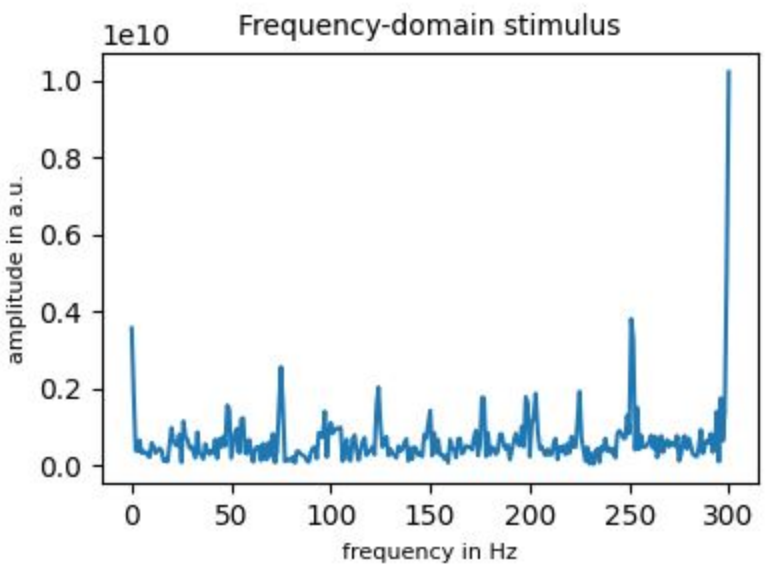
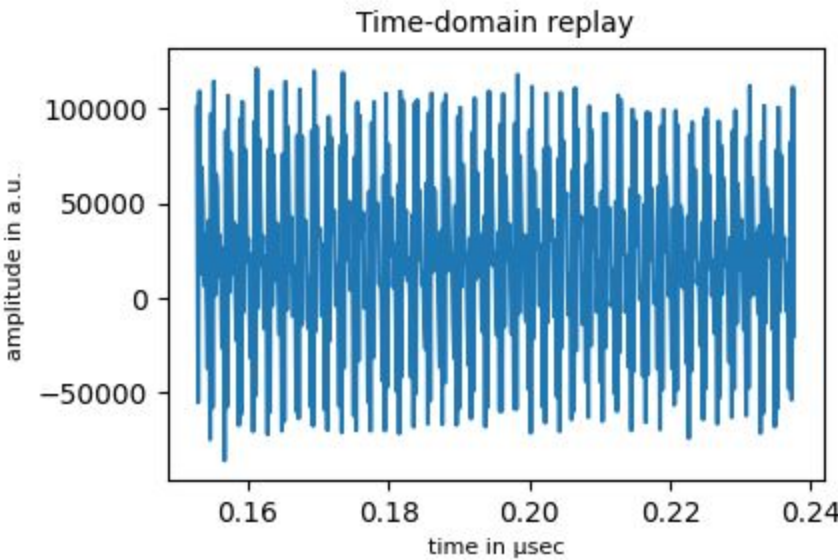
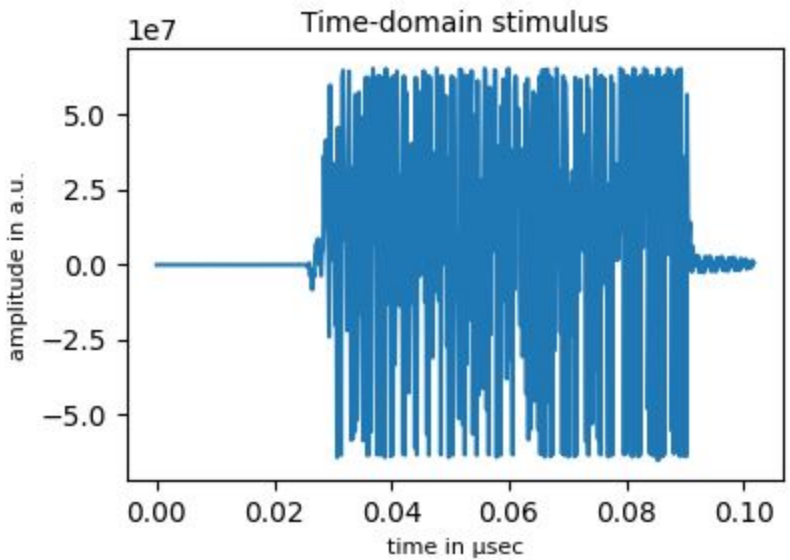
Repetition time in ms	5
Acquirer time in $\mu$ s	82
gate_signal array	1 0 50 10
Blanking time in ms	22.5
Window time in ms	42.5
number of averages	100
number of Repetition	1

Phase & Puls-parameter

phase_number array	1 4
phase_level array	0 1
phase_puls array	0 0.7853981633974483
number_phase_level array	1
pulse_amplitude	1



# Re-Evaluate & Visualisation



- select file
- select folder
- Plot data
- Close