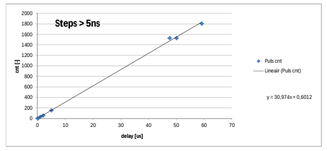
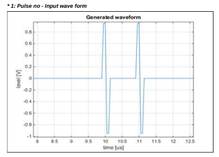
Measured data		*Settings*			*Pulse no *1*			*Steps > 5ns *2*	
	File	Res	Fs		Trigger	Analyzed	Delay 2nd	Puls cnt	delay
	[-]	[bit]	[MHz]		[-]	[-]	[us]	[-]	[us]
1	20180525-0005*.mat	8	250		1	1	0	2	0,12
2	20180525-0005*.mat	8	250		1	2	2	60	2,08
3	20180525-0004*.mat	8	250		1	1	0	4	0,1
4	20180525-0004*.mat	8	250		1	2	5	155	5,08
5	20180525-0008*.mat	8	500		1	1	59	1530	47,55
6	20180525-0008*.mat	8	500		1	1	0	4	0,1
7	20180525-0008*.mat	8	500		1	2	1	36	1,1
8	20180525-0007*.mat	8	500		1	2	50	1530	50,1
9	20180525-0003*.mat	8	500		1	1	0	4	0,1
10	20180525-0002*.mat	8	500		1	2	59	1805	59,1
11	20180524-0005*.mat	12	125		1	1		not analyzed	
12	20180525-0001*.mat	12	125		1	2		not analyzed	

Configuration
Sample frequency and resolution are set.
Input is are two pulses of 4MHz, see *1
Time between first and second pulsed is varied:
2 / 5/ 49 / 59 us
Scope triggers on first pulse
zeros crossing of first or second pulse is measured
number of deviation > 5ns is counted, see *2



**1: Pulse no - Input wave form*

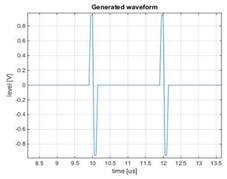


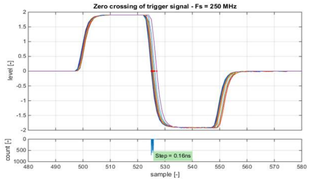
1. 250Ms/s - 2us - trigger on 1st - analyze 1st pulse

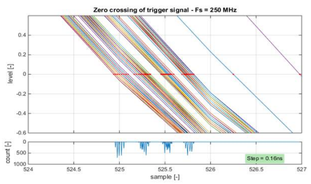
* used mfile : checkjitter002.m
input file : 20180525-0005*.mat
available channels : AC - C = sync
repetition frequency : 1000

* data properties
source 1 : 20180525-0005*.mat
sample frequency : 250 MHz
number of samples : 2500
trigger point : 2.0 us
number data blocks : 10000

* Time window and trigger
trigger level : 1.00 V
time window : 1 - 2500 [sample]
* Jitter found on sync
step size median : 0.16 ns
standard dev : 0.29 samples
standard dev : 1.1 ns
max - min : 8.2 ns





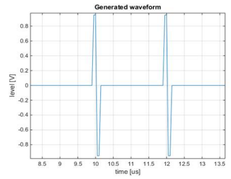


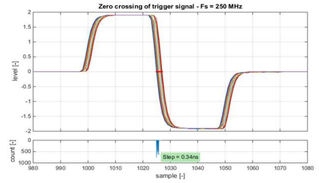
2. 250Ms/s - 2us - trigger on 1st - analyze 2nd pulse

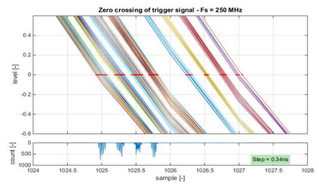
* used mfile : checkjitter002.m
input file : 20180525-0005*.mat
available channels : AC - C = sync
repetition frequency : 1000

* data properties
source 1 : 20180525-0005*.mat
sample frequency : 250 MHz
number of samples : 2500
trigger point : 2.0 us
number data blocks : 10000

* Time window and trigger
trigger level : 1.00 V
time window : 700 - 2500 [sample]
* Jitter found on sync
step size median : 0.34 ns
standard dev : 0.30 samples
standard dev : 1.2 ns
max - min : 8.5 ns





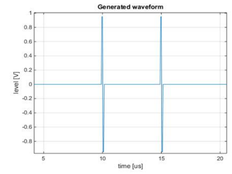


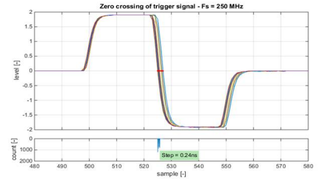
3. 250Ms/s - 5us - trigger on 1st - analyze 1st pulse

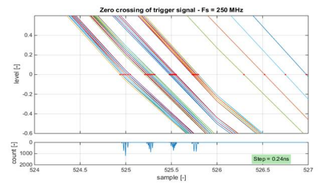
* used mfile : checkjitter002.m
input file : 20180525-0004*.mat
available channels : AC - C = sync
repetition frequency : 1000

* data properties
source 1 : 20180525-0004*.mat
sample frequency : 250 MHz
number of samples : 2500
trigger point : 2.0 us
number data blocks : 10000

* Time window and trigger
trigger level : 1.00 V
time window : 1 - 700 [sample]
* Jitter found on sync
step size median : 0.24 ns
standard dev : 0.29 samples
standard dev : 1.1 ns
max - min : 8.2 ns







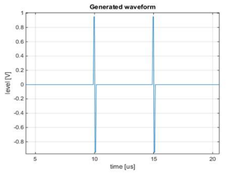
4. 250Ms/s - 5us - trigger on 1st - analyze 2nd pulse.

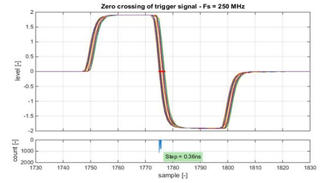
* used mfile : checkjitter002.m
input file : 20180525-0004*.mat
available channels : AC - C = sync
repetition frequency : 1000

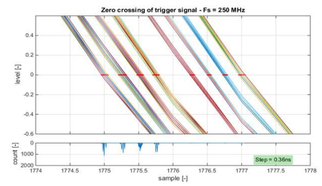
* data properties
source 1 : 20180525-0004*.mat
sample frequency : 250 MHz
number of samples : 2500
trigger point : 2.0 us
number data blocks : 10000

* Jitter found on sync
step size median : 0.36 ns
standard dev : 0.32 samples
standard dev : 1.3 ns
max - min : 8.4 ns

* Time window and trigger
trigger level : 1.00 V
time window : 700 - 2500 [sample]







5. 250Ms/s - 50us - trigger on 1st - analyze 2nd pulse

* used mfile : checkjitter002.m
input file : 20180525-0006*.mat
available channels : AC - C = sync
repetition frequency : 1000

* data properties
source 1 : 20180525-0006*.mat
sample frequency : 250 MHz
number of samples : 2500
trigger point : -45.0 us
number data blocks : 10000

* Time window and trigger
trigger level : 1.00 V
time window : 700 - 2500 [sample]
* Jitter found on sync
step size median : 0.24 ns
standard dev : 0.53 samples
standard dev : 2.1 ns
max - min : 8.6 ns