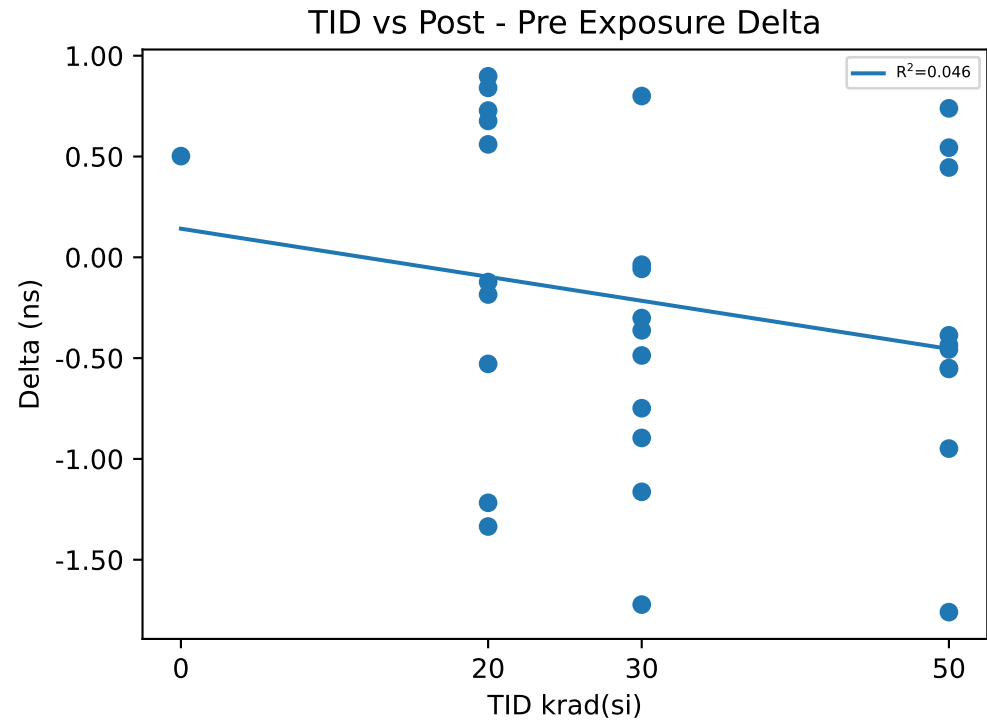
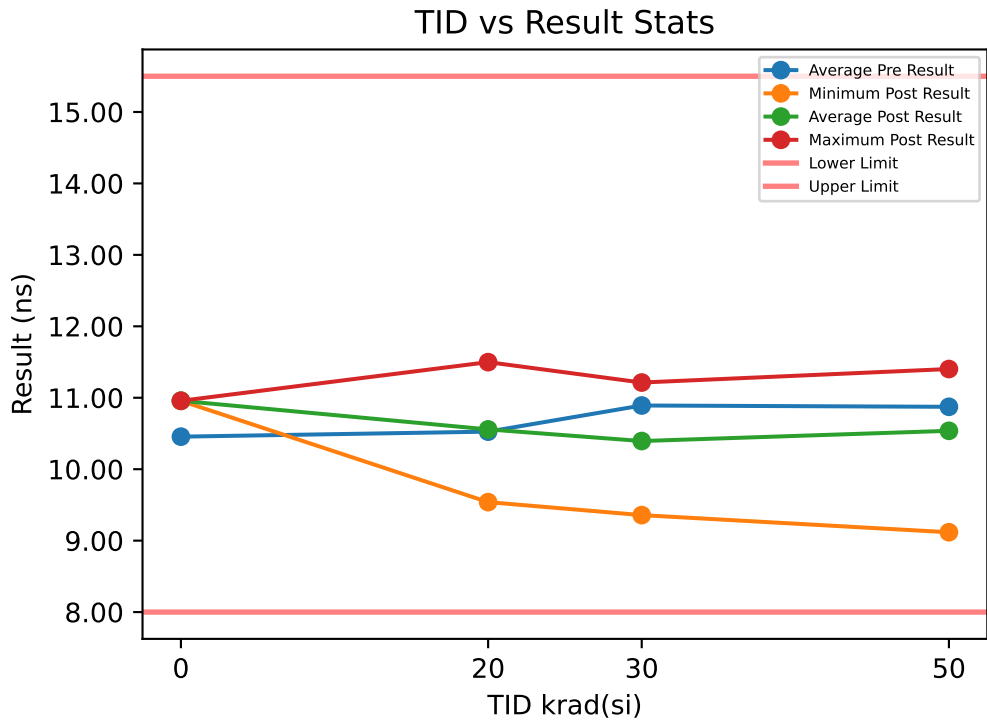


Device Test: 95.11 T_RLH_SMALL(_DLH Dead Time Small 2MHz VIN_10V)



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

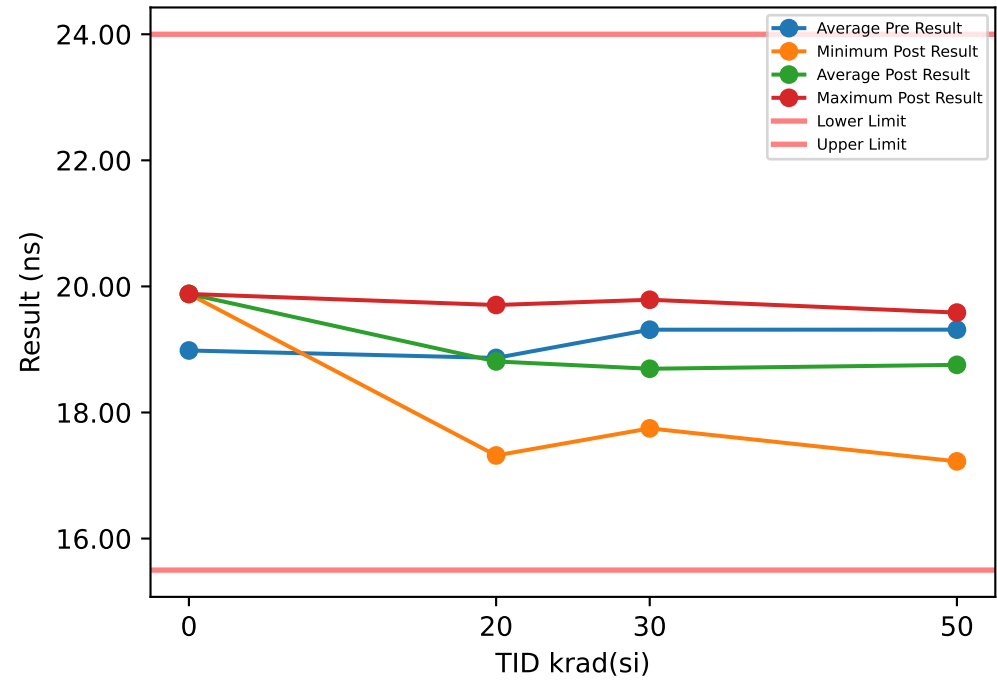
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.455	10.957	0.5019
121	20	HDR biased	10.601	11.498	0.8978
122	20	HDR biased	10.941	9.6057	-1.3352
123	20	HDR biased	10.649	11.49	0.8405
124	20	HDR biased	11.817	11.288	-0.5287
125	20	HDR biased	9.8228	9.6382	-0.1846
131	30	HDR biased	11.051	11.014	-0.0366
132	30	HDR biased	10.152	10.094	-0.0573
133	30	HDR biased	10.683	10.382	-0.3012
134	30	HDR biased	11.575	11.213	-0.3622
135	30	HDR biased	10.406	11.206	0.7999
151	50	HDR biased	11.956	11.402	-0.5536
152	50	HDR biased	11.009	10.061	-0.9487
153	50	HDR biased	11.143	10.594	-0.5494
154	50	HDR biased	10.433	9.9765	-0.4567
155	50	HDR biased	11.637	11.202	-0.4348
321	20	HDR unbiased	10.541	11.269	0.7279
322	20	HDR unbiased	10.757	9.539	-1.2176
323	20	HDR unbiased	9.2078	9.8844	0.6766
324	20	HDR unbiased	10.939	10.816	-0.1226
325	20	HDR unbiased	9.9816	10.542	0.5602
331	30	HDR unbiased	11.395	10.232	-1.1631
332	30	HDR unbiased	10.253	9.3573	-0.8959
333	30	HDR unbiased	12.01	10.287	-1.7225
334	30	HDR unbiased	10.172	9.685	-0.4868
335	30	HDR unbiased	11.219	10.47	-0.7485
351	50	HDR unbiased	10.081	10.624	0.5438
352	50	HDR unbiased	11.025	10.638	-0.3868
353	50	HDR unbiased	10.412	11.15	0.7389
354	50	HDR unbiased	10.877	9.1175	-1.7599
355	50	HDR unbiased	10.162	10.607	0.4454

Test Statistics (ns)

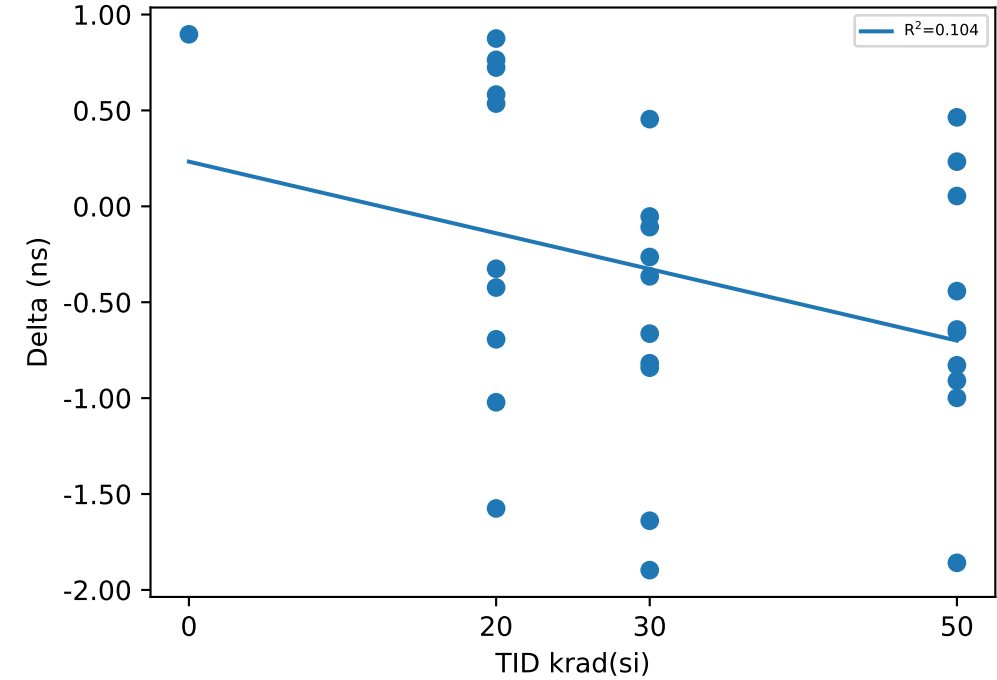
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.455	10.455	10.455		10.957	10.957	10.957		0.5019	0.5019	0.5019	
20	9.2078	10.526	11.817	0.71582	9.539	10.557	11.498	0.82347	-1.3352	0.03143	0.8978	0.84314
30	10.152	10.892	12.01	0.65453	9.3573	10.394	11.213	0.61704	-1.7225	-0.49742	0.7999	0.69216
50	10.081	10.873	11.956	0.61562	9.1175	10.537	11.402	0.67897	-1.7599	-0.33618	0.7389	0.75002

Device Test: 95.12 T_RLH_MID(_DLH Dead Time Mid 2MHz VIN_10V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

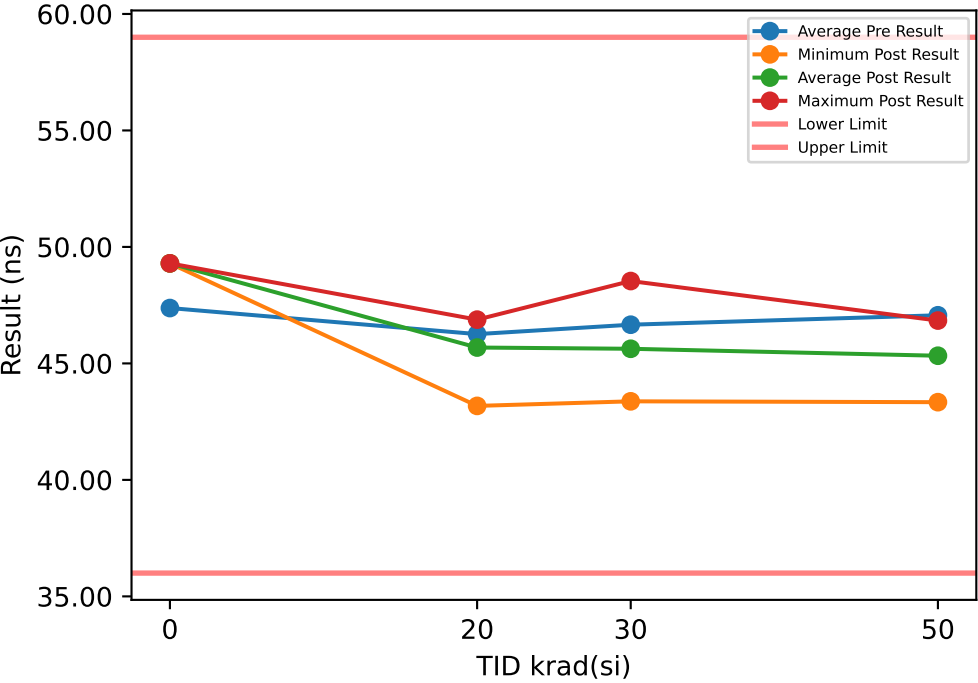
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	18.984	19.881	0.8969
121	20	HDR biased	18.941	19.705	0.7636
122	20	HDR biased	18.894	17.319	-1.5752
123	20	HDR biased	18.541	19.264	0.7235
124	20	HDR biased	20.135	19.442	-0.6933
125	20	HDR biased	18.442	18.116	-0.3253
131	30	HDR biased	19.897	19.788	-0.1084
132	30	HDR biased	18.296	18.243	-0.0529
133	30	HDR biased	19.02	18.756	-0.2642
134	30	HDR biased	20.019	19.355	-0.6638
135	30	HDR biased	19.044	19.499	0.4546
151	50	HDR biased	20.583	19.585	-0.9986
152	50	HDR biased	18.888	18.246	-0.642
153	50	HDR biased	19.722	18.893	-0.8287
154	50	HDR biased	19.218	18.776	-0.4421
155	50	HDR biased	20.291	19.381	-0.9091
321	20	HDR unbiased	18.676	19.551	0.8749
322	20	HDR unbiased	19.303	18.282	-1.0216
323	20	HDR unbiased	18.043	18.625	0.5826
324	20	HDR unbiased	19.521	19.097	-0.4235
325	20	HDR unbiased	18.162	18.697	0.5358
331	30	HDR unbiased	19.79	17.893	-1.8968
332	30	HDR unbiased	18.605	18.24	-0.365
333	30	HDR unbiased	20.243	18.604	-1.6393
334	30	HDR unbiased	18.566	17.748	-0.8181
335	30	HDR unbiased	19.653	18.811	-0.8412
351	50	HDR unbiased	18.953	19.007	0.0538
352	50	HDR unbiased	19.424	18.768	-0.6554
353	50	HDR unbiased	18.415	18.879	0.4639
354	50	HDR unbiased	19.083	17.224	-1.8587
355	50	HDR unbiased	18.566	18.799	0.233

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.984	18.984	18.984		19.881	19.881	19.881		0.8969	0.8969	0.8969	
20	18.043	18.866	20.135	0.64408	17.319	18.81	19.705	0.75049	-1.5752	-0.05585	0.8749	0.86654
30	18.296	19.313	20.243	0.69118	17.748	18.694	19.788	0.68757	-1.8968	-0.61951	0.4546	0.7218
50	18.415	19.314	20.583	0.70604	17.224	18.756	19.585	0.64838	-1.8587	-0.55839	0.4639	0.6796

Device Test: 95.13 T_RLH_LARGE(_DLH Dead Time Large 2MHz VIN_10V)

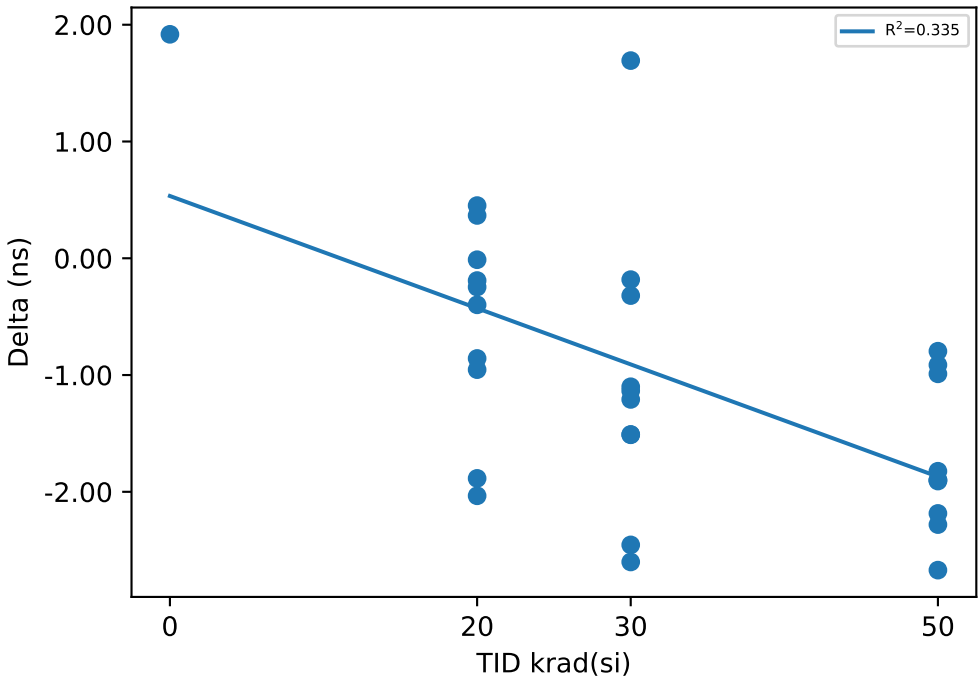
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	47.377	49.295	1.918
121	20	HDR biased	46.534	46.522	-0.0124
122	20	HDR biased	45.211	43.176	-2.0341
123	20	HDR biased	44.046	44.413	0.3668
124	20	HDR biased	47.499	46.545	-0.9538
125	20	HDR biased	46.589	46.19	-0.3986
131	30	HDR biased	48.855	48.536	-0.3195
132	30	HDR biased	44.473	43.373	-1.1004
133	30	HDR biased	46.52	45.012	-1.5088
134	30	HDR biased	47.669	46.46	-1.2088
135	30	HDR biased	46.958	46.775	-0.1829
151	50	HDR biased	48.391	46.111	-2.2807
152	50	HDR biased	45.522	43.336	-2.1851
153	50	HDR biased	47.769	45.861	-1.9079
154	50	HDR biased	47.826	46.002	-1.8238
155	50	HDR biased	47.845	45.947	-1.8983
321	20	HDR unbiased	45.773	46.225	0.4513
322	20	HDR unbiased	47.115	45.23	-1.885
323	20	HDR unbiased	47.07	46.879	-0.1908
324	20	HDR unbiased	47.163	46.305	-0.858
325	20	HDR unbiased	45.58	45.334	-0.2462
331	30	HDR unbiased	46.882	44.428	-2.4547
332	30	HDR unbiased	45.502	47.195	1.6929
333	30	HDR unbiased	46.777	44.176	-2.6008
334	30	HDR unbiased	45.768	44.633	-1.1354
335	30	HDR unbiased	47.209	45.698	-1.5116
351	50	HDR unbiased	47.753	46.84	-0.9134
352	50	HDR unbiased	47.533	45.633	-1.8999
353	50	HDR unbiased	45.343	44.547	-0.7959
354	50	HDR unbiased	46.579	43.908	-2.6708
355	50	HDR unbiased	46.101	45.112	-0.9897

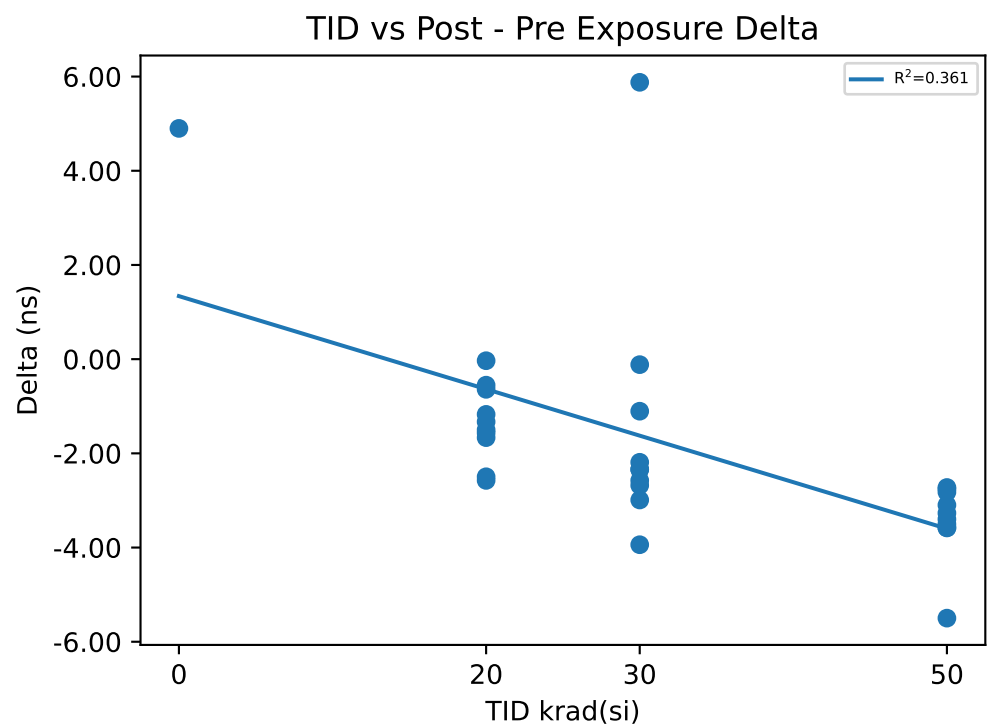
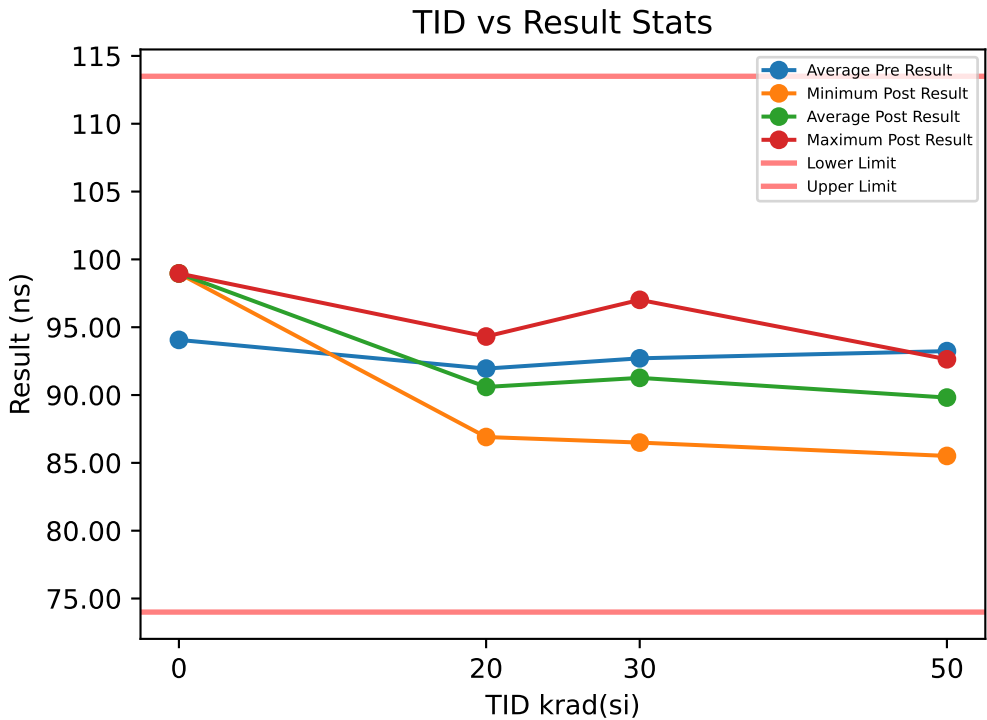
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.377	47.377	47.377		49.295	49.295	49.295		1.918	1.918	1.918	
20	44.046	46.258	47.499	1.0864	43.176	45.682	46.879	1.1565	-2.0341	-0.57608	0.4513	0.85714
30	44.473	46.661	48.855	1.2124	43.373	45.628	48.536	1.5962	-2.6008	-1.033	1.6929	1.2312
50	45.343	47.066	48.391	1.0876	43.336	45.33	46.84	1.0929	-2.6708	-1.7366	-0.7959	0.63071

Device Test: 95.14 T_RLH_MAX(_DLH Dead Time Max 2MHz VIN_10V)



Test Results (Lower Limit = 74.0,
Upper Limit = 113.5 (ns))

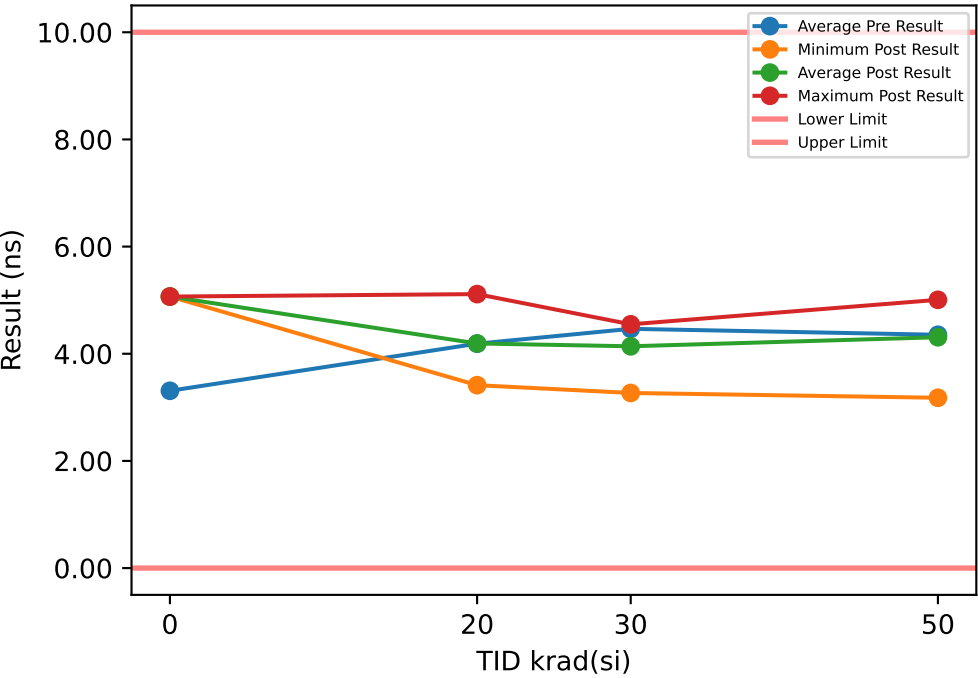
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	94.065	98.965	4.8995
121	20	HDR biased	91.11	91.077	-0.033
122	20	HDR biased	89.611	87.037	-2.5742
123	20	HDR biased	87.458	86.906	-0.5521
124	20	HDR biased	93.155	91.655	-1.5004
125	20	HDR biased	93.923	92.356	-1.5663
131	30	HDR biased	97.134	97.018	-0.1164
132	30	HDR biased	88.685	86.496	-2.1895
133	30	HDR biased	92.175	89.496	-2.6792
134	30	HDR biased	94.331	91.996	-2.3358
135	30	HDR biased	94.572	93.466	-1.1051
151	50	HDR biased	94.535	90.952	-3.5826
152	50	HDR biased	88.779	85.511	-3.2683
153	50	HDR biased	95.131	91.627	-3.5044
154	50	HDR biased	96.216	92.636	-3.5799
155	50	HDR biased	94.337	90.938	-3.3988
321	20	HDR unbiased	90.571	89.93	-0.6407
322	20	HDR unbiased	93.53	91.032	-2.4973
323	20	HDR unbiased	95.644	94.314	-1.3301
324	20	HDR unbiased	93.135	91.469	-1.6662
325	20	HDR unbiased	91.358	90.185	-1.1724
331	30	HDR unbiased	92.157	89.167	-2.9899
332	30	HDR unbiased	90.344	96.222	5.878
333	30	HDR unbiased	92.097	88.157	-3.9398
334	30	HDR unbiased	91.16	88.815	-2.3459
335	30	HDR unbiased	94.415	91.84	-2.5746
351	50	HDR unbiased	94.931	92.206	-2.7249
352	50	HDR unbiased	93.312	90.215	-3.0972
353	50	HDR unbiased	90.435	87.612	-2.8231
354	50	HDR unbiased	92.591	87.093	-5.4986
355	50	HDR unbiased	92.106	89.349	-2.757

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.065	94.065	94.065		98.965	98.965	98.965		4.8995	4.8995	4.8995	
20	87.458	91.95	95.644	2.3921	86.906	90.596	94.314	2.2638	-2.5742	-1.3533	-0.033	0.80901
30	88.685	92.707	97.134	2.4436	86.496	91.267	97.018	3.4853	-3.9398	-1.4398	5.878	2.7704
50	88.779	93.237	96.216	2.301	85.511	89.814	92.636	2.373	-5.4986	-3.4235	-2.7249	0.80182

Device Test: 95.19 T_RHL_MIN(_DHL Dead Time Min 500kHz VIN_10V)

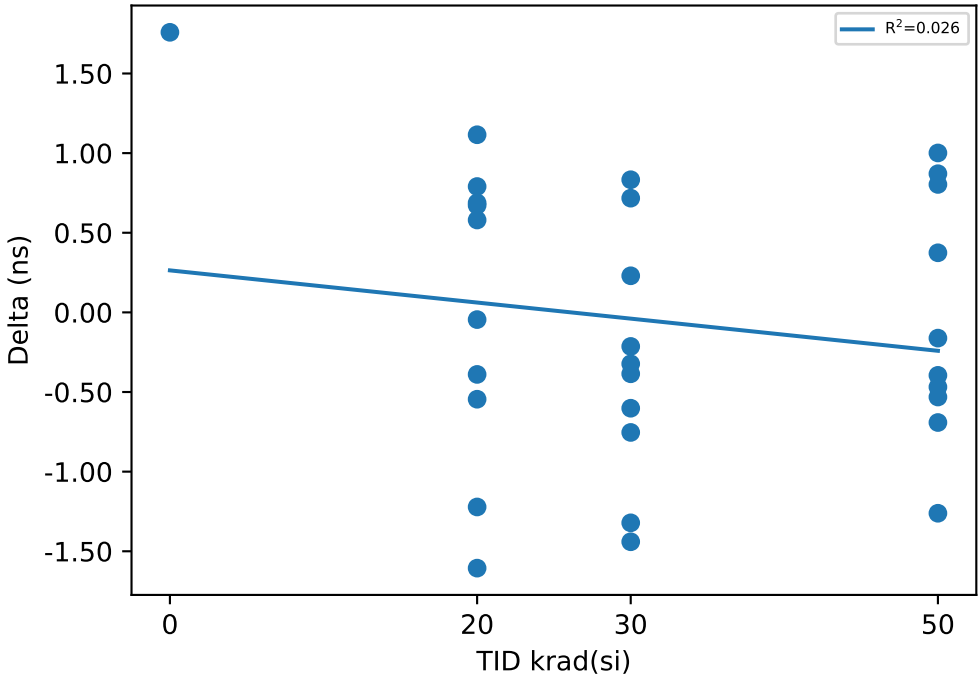
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.3088	5.0674	1.7586
121	20	HDR biased	3.8862	4.5738	0.6876
122	20	HDR biased	4.7089	3.4871	-1.2218
123	20	HDR biased	3.7763	4.4483	0.672
124	20	HDR biased	4.8261	4.4366	-0.3895
125	20	HDR biased	3.8218	3.7766	-0.0452
131	30	HDR biased	5.1514	4.5496	-0.6018
132	30	HDR biased	3.6537	3.2682	-0.3855
133	30	HDR biased	3.7949	4.0247	0.2298
134	30	HDR biased	5.2259	4.4721	-0.7538
135	30	HDR biased	3.6639	4.3811	0.7172
151	50	HDR biased	5.1338	4.6652	-0.4686
152	50	HDR biased	2.8045	3.1787	0.3742
153	50	HDR biased	5.5379	5.0065	-0.5314
154	50	HDR biased	3.9828	3.8212	-0.1616
155	50	HDR biased	5.1648	4.4733	-0.6915
321	20	HDR unbiased	3.982	4.5621	0.5801
322	20	HDR unbiased	5.0195	3.4136	-1.6059
323	20	HDR unbiased	4.3229	5.1132	0.7903
324	20	HDR unbiased	4.6011	4.0558	-0.5453
325	20	HDR unbiased	2.9357	4.0511	1.1154
331	30	HDR unbiased	5.4284	4.107	-1.3214
332	30	HDR unbiased	3.5107	4.3436	0.8329
333	30	HDR unbiased	5.3397	3.8994	-1.4403
334	30	HDR unbiased	4.0169	3.8031	-0.2138
335	30	HDR unbiased	4.8686	4.5456	-0.323
351	50	HDR unbiased	3.471	4.3417	0.8707
352	50	HDR unbiased	5.0332	4.6378	-0.3954
353	50	HDR unbiased	3.5101	4.3135	0.8034
354	50	HDR unbiased	5.1244	3.8631	-1.2613
355	50	HDR unbiased	3.7795	4.7806	1.0011

TID vs Post - Pre Exposure Delta

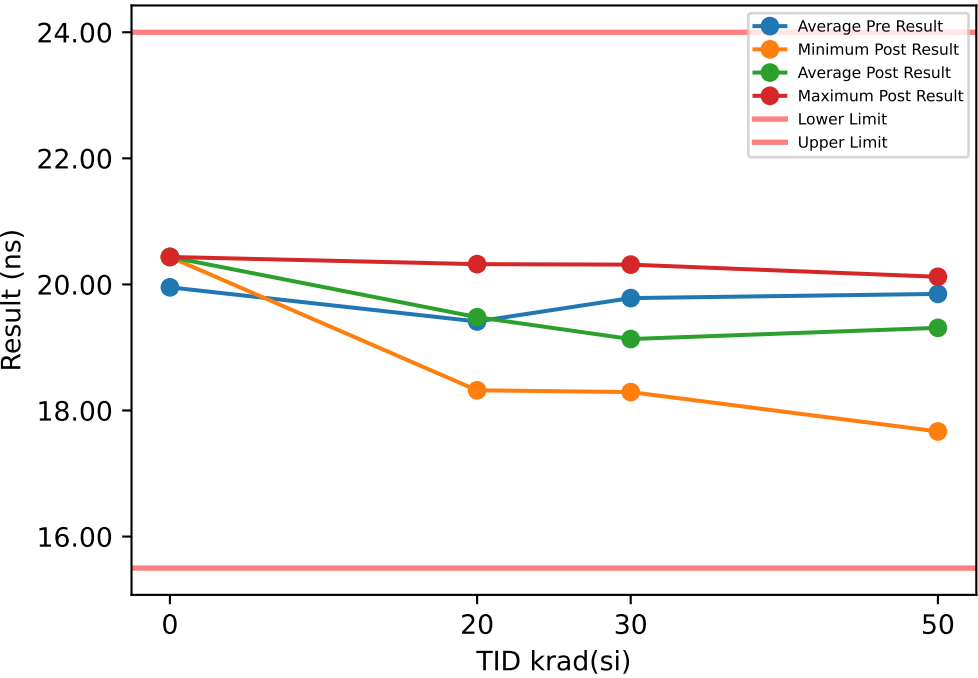


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3088	3.3088	3.3088		5.0674	5.0674	5.0674		1.7586	1.7586	1.7586	
20	2.9357	4.188	5.0195	0.6293	3.4136	4.1918	5.1132	0.53444	-1.6059	0.00377	1.1154	0.92209
30	3.5107	4.4654	5.4284	0.80047	3.2682	4.1394	4.5496	0.40661	-1.4403	-0.32597	0.8329	0.76361
50	2.8045	4.3542	5.5379	0.94766	3.1787	4.3082	5.0065	0.54633	-1.2613	-0.04604	1.0011	0.7658

Device Test: 95.2 T_RLH_MID(_DLH Dead Time Mid 500kHz VIN_10V)

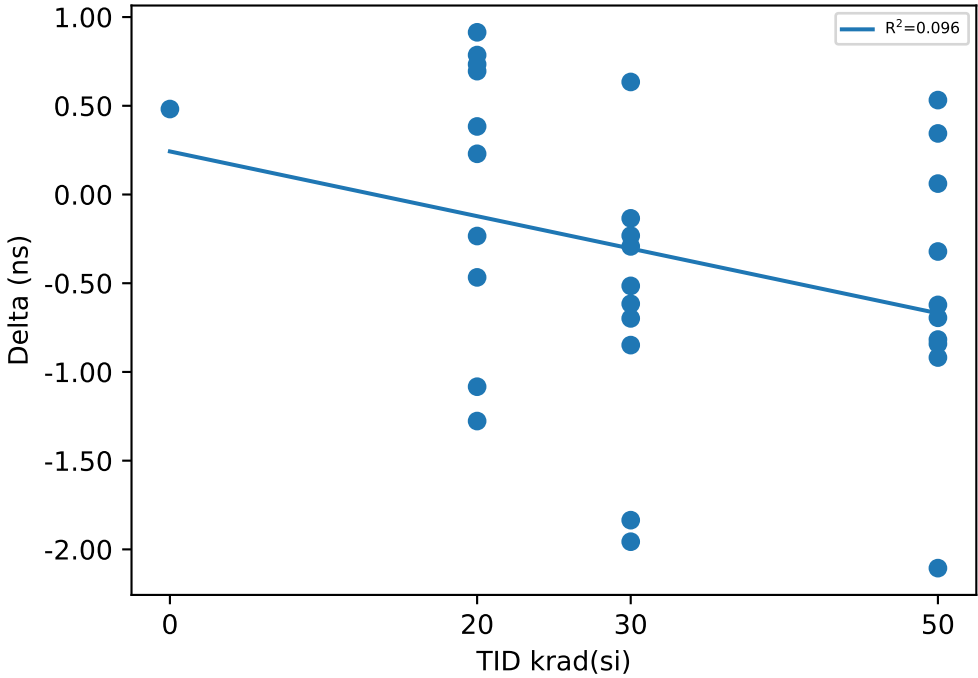
TID vs Result Stats



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.954	20.436	0.4817
121	20	HDR biased	19.626	20.321	0.6952
122	20	HDR biased	19.597	18.32	-1.2768
123	20	HDR biased	18.994	19.908	0.9141
124	20	HDR biased	20.561	20.093	-0.4671
125	20	HDR biased	18.832	19.062	0.2294
131	30	HDR biased	20.448	20.314	-0.1344
132	30	HDR biased	18.664	18.371	-0.2925
133	30	HDR biased	19.576	18.96	-0.6161
134	30	HDR biased	20.464	19.949	-0.515
135	30	HDR biased	19.39	20.024	0.6343
151	50	HDR biased	21.04	20.121	-0.9188
152	50	HDR biased	19.448	18.825	-0.6222
153	50	HDR biased	20.211	19.369	-0.8415
154	50	HDR biased	19.604	19.283	-0.3212
155	50	HDR biased	20.674	19.979	-0.6948
321	20	HDR unbiased	19.354	20.14	0.7859
322	20	HDR unbiased	19.903	18.82	-1.0832
323	20	HDR unbiased	18.521	19.255	0.7339
324	20	HDR unbiased	19.949	19.715	-0.234
325	20	HDR unbiased	18.783	19.166	0.3835
331	30	HDR unbiased	20.289	18.454	-1.8354
332	30	HDR unbiased	19.028	18.797	-0.2319
333	30	HDR unbiased	20.757	18.8	-1.9567
334	30	HDR unbiased	18.99	18.292	-0.6982
335	30	HDR unbiased	20.223	19.375	-0.8488
351	50	HDR unbiased	19.312	19.657	0.3442
352	50	HDR unbiased	20.191	19.374	-0.8175
353	50	HDR unbiased	19.023	19.555	0.5321
354	50	HDR unbiased	19.773	17.668	-2.1057
355	50	HDR unbiased	19.217	19.278	0.0615

TID vs Post - Pre Exposure Delta

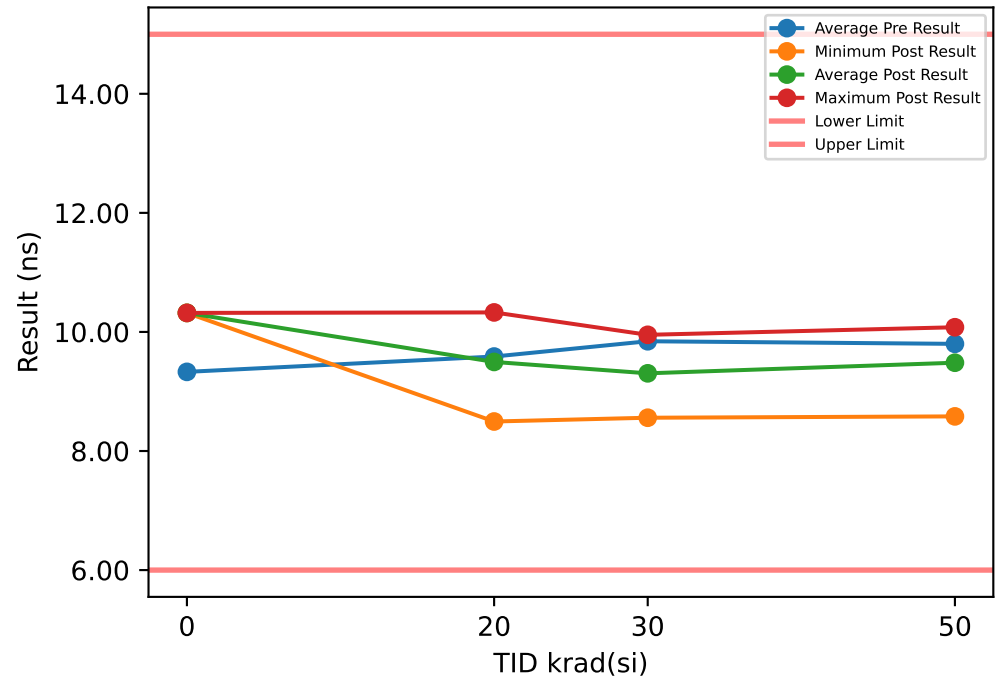


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.954	19.954	19.954		20.436	20.436	20.436		0.4817	0.4817	0.4817	
20	18.521	19.412	20.561	0.63536	18.32	19.48	20.321	0.65515	-1.2768	0.06809	0.9141	0.79617
30	18.664	19.783	20.757	0.7419	18.292	19.134	20.314	0.73901	-1.9567	-0.64947	0.6343	0.774
50	19.023	19.849	21.04	0.66185	17.668	19.311	20.121	0.68534	-2.1057	-0.53839	0.5321	0.75531

Device Test: 95.20 T_RHL_SMALL(_DHL Dead Time Small 500kHz VIN_10V)

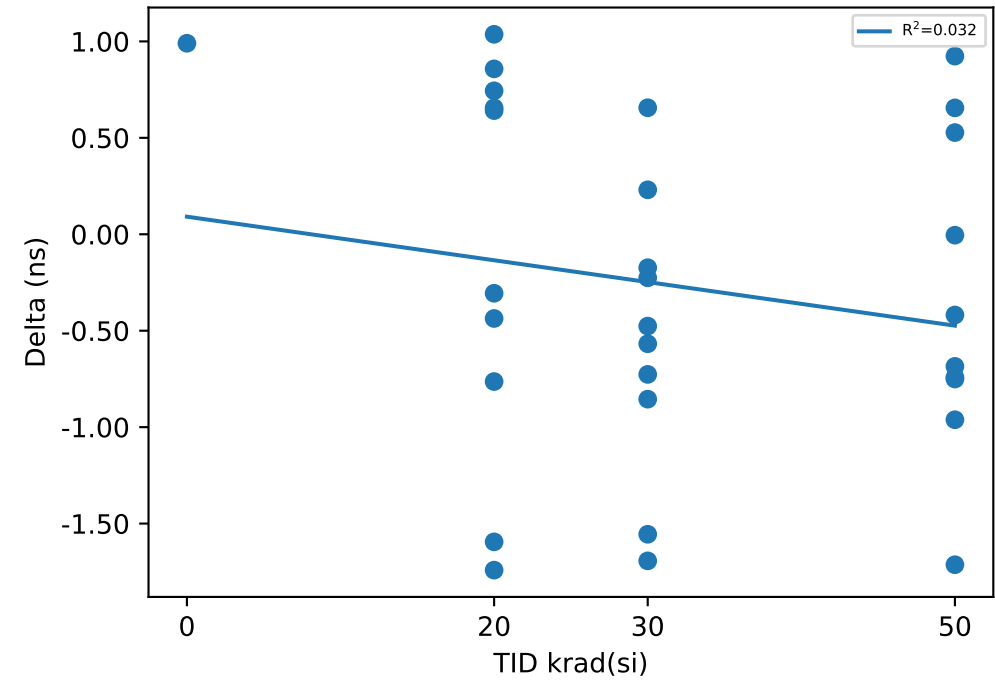
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.3293	10.32	0.9904
121	20	HDR biased	8.9682	9.8258	0.8576
122	20	HDR biased	10.237	8.4957	-1.7414
123	20	HDR biased	8.9245	9.5658	0.6413
124	20	HDR biased	10.223	9.787	-0.4365
125	20	HDR biased	9.1667	8.8608	-0.3059
131	30	HDR biased	10.481	9.7542	-0.7265
132	30	HDR biased	9.0351	8.559	-0.4761
133	30	HDR biased	9.1397	8.9663	-0.1734
134	30	HDR biased	10.665	9.8101	-0.8549
135	30	HDR biased	8.896	9.552	0.656
151	50	HDR biased	10.575	9.8903	-0.6849
152	50	HDR biased	8.5863	8.5816	-0.0047
153	50	HDR biased	10.82	10.079	-0.7415
154	50	HDR biased	9.2703	8.8518	-0.4185
155	50	HDR biased	10.727	9.7658	-0.9616
321	20	HDR unbiased	9.3584	10.014	0.6558
322	20	HDR unbiased	10.585	8.9904	-1.5948
323	20	HDR unbiased	9.584	10.328	0.7439
324	20	HDR unbiased	10.261	9.4971	-0.7636
325	20	HDR unbiased	8.5606	9.5974	1.0368
331	30	HDR unbiased	10.558	8.8642	-1.6934
332	30	HDR unbiased	8.9904	9.2209	0.2305
333	30	HDR unbiased	10.834	9.2784	-1.5554
334	30	HDR unbiased	9.3179	9.0922	-0.2257
335	30	HDR unbiased	10.519	9.9516	-0.5676
351	50	HDR unbiased	8.9146	9.5699	0.6553
352	50	HDR unbiased	10.662	9.911	-0.7505
353	50	HDR unbiased	9.0221	9.5495	0.5274
354	50	HDR unbiased	10.49	8.7771	-1.7133
355	50	HDR unbiased	8.9313	9.8549	0.9236

TID vs Post - Pre Exposure Delta

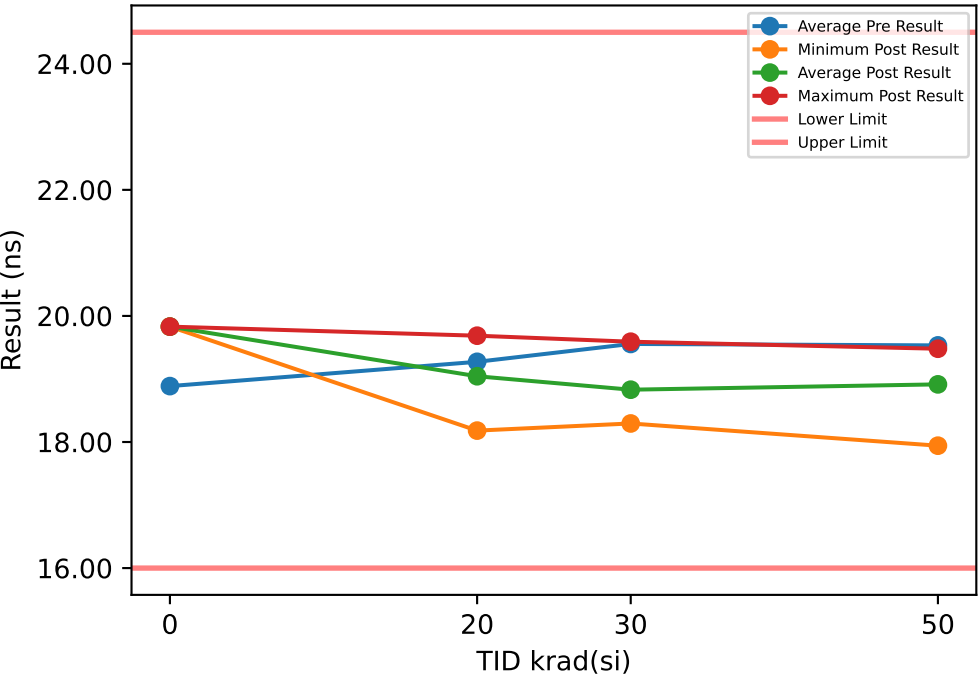


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.3293	9.3293	9.3293		10.32	10.32	10.32		0.9904	0.9904	0.9904	
20	8.5606	9.5869	10.585	0.6978	8.4957	9.4962	10.328	0.56064	-1.7414	-0.09068	1.0368	1.031
30	8.896	9.8435	10.834	0.82184	8.559	9.3049	9.9516	0.45395	-1.6934	-0.53865	0.656	0.72705
50	8.5863	9.7999	10.82	0.92002	8.5816	9.4831	10.079	0.54195	-1.7133	-0.31687	0.9236	0.82825

Device Test: 95.21 T_RHL_MID(_DHL Dead Time Mid 500kHz VIN_10V)

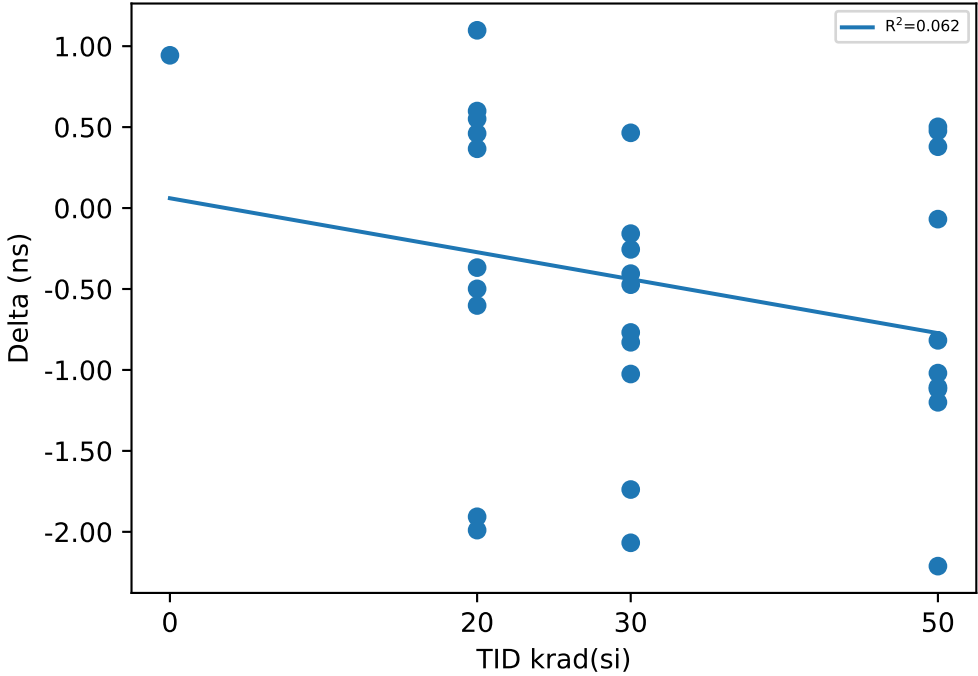
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	18.887	19.83	0.9436
121	20	HDR biased	18.772	19.371	0.5993
122	20	HDR biased	20.102	18.195	-1.907
123	20	HDR biased	18.433	18.799	0.3662
124	20	HDR biased	19.886	19.387	-0.4991
125	20	HDR biased	18.549	18.181	-0.3679
131	30	HDR biased	19.87	19.04	-0.8292
132	30	HDR biased	18.793	18.538	-0.2553
133	30	HDR biased	18.904	18.499	-0.4051
134	30	HDR biased	20.416	19.391	-1.0251
135	30	HDR biased	18.352	18.817	0.4648
151	50	HDR biased	20.209	19.189	-1.0195
152	50	HDR biased	18.53	18.461	-0.0684
153	50	HDR biased	20.341	19.223	-1.1178
154	50	HDR biased	18.759	17.942	-0.8171
155	50	HDR biased	20.333	19.226	-1.1066
321	20	HDR unbiased	19.136	19.686	0.5509
322	20	HDR unbiased	20.484	18.494	-1.9895
323	20	HDR unbiased	19.219	19.68	0.4609
324	20	HDR unbiased	19.869	19.267	-0.6019
325	20	HDR unbiased	18.272	19.37	1.098
331	30	HDR unbiased	20.362	18.294	-2.0677
332	30	HDR unbiased	18.867	18.709	-0.158
333	30	HDR unbiased	20.586	18.847	-1.7387
334	30	HDR unbiased	19.046	18.572	-0.4733
335	30	HDR unbiased	20.36	19.591	-0.7684
351	50	HDR unbiased	18.546	19.023	0.4767
352	50	HDR unbiased	20.68	19.48	-1.1999
353	50	HDR unbiased	18.664	19.043	0.379
354	50	HDR unbiased	20.684	18.472	-2.2119
355	50	HDR unbiased	18.583	19.085	0.5018

TID vs Post - Pre Exposure Delta

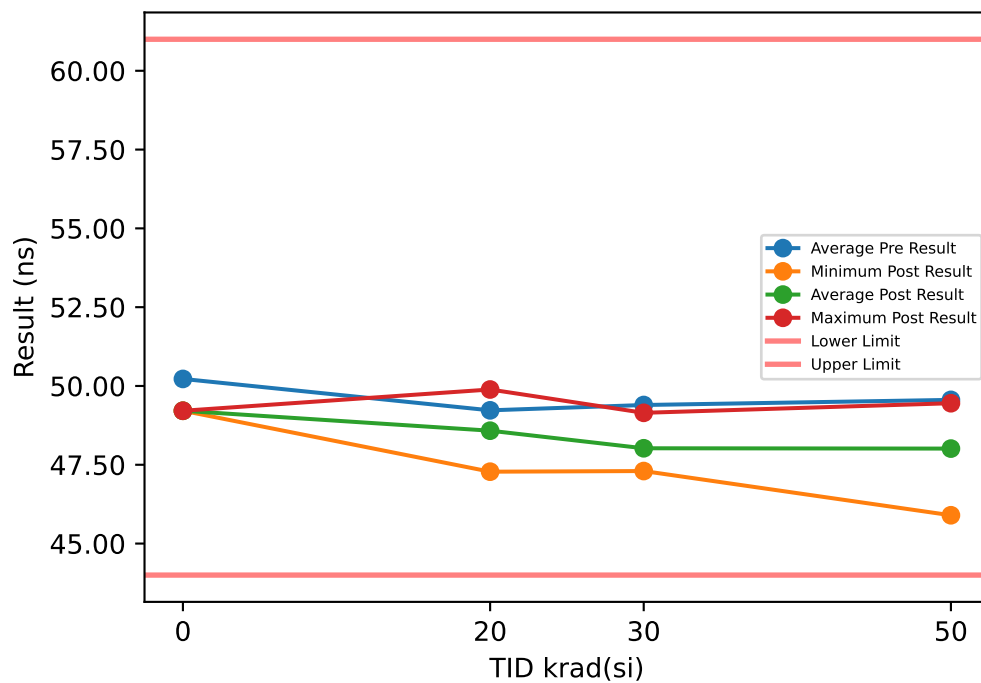


Test Statistics (ns)

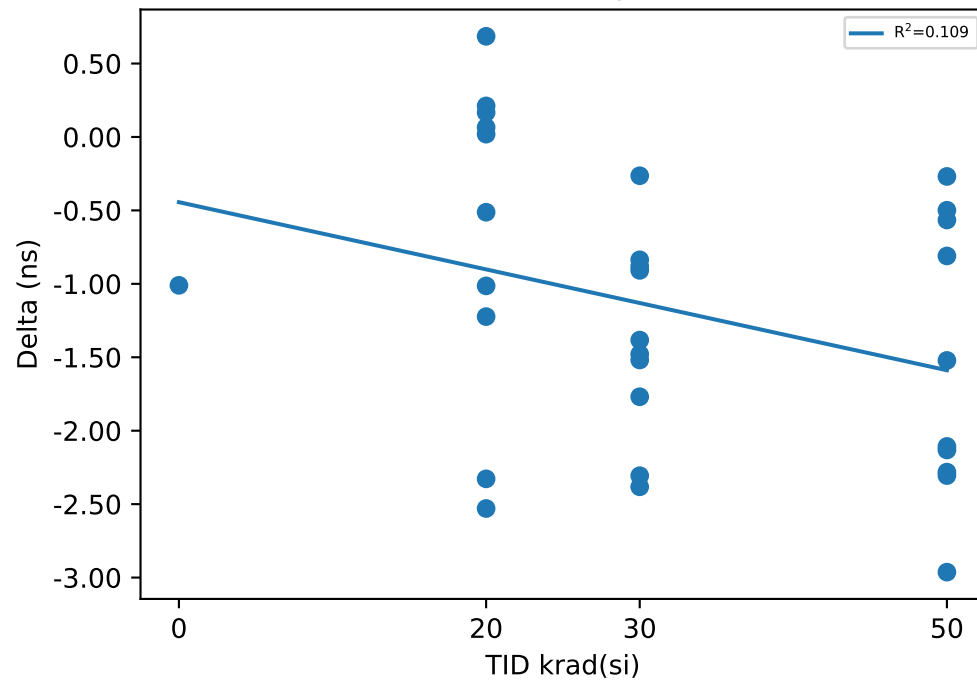
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.887	18.887	18.887		19.83	19.83	19.83		0.9436	0.9436	0.9436	
20	18.272	19.272	20.484	0.77377	18.181	19.043	19.686	0.57985	-1.9895	-0.22901	1.098	1.0558
30	18.352	19.555	20.586	0.84231	18.294	18.83	19.591	0.4085	-2.0677	-0.7256	0.4648	0.74957
50	18.53	19.533	20.684	0.97897	17.942	18.914	19.48	0.47047	-2.2119	-0.61837	0.5018	0.90166

Device Test: 95.22 T_RHL_LARGE(_DHL Dead Time Large 500kHz VIN_10V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0,
Upper Limit = 61.0 (ns))

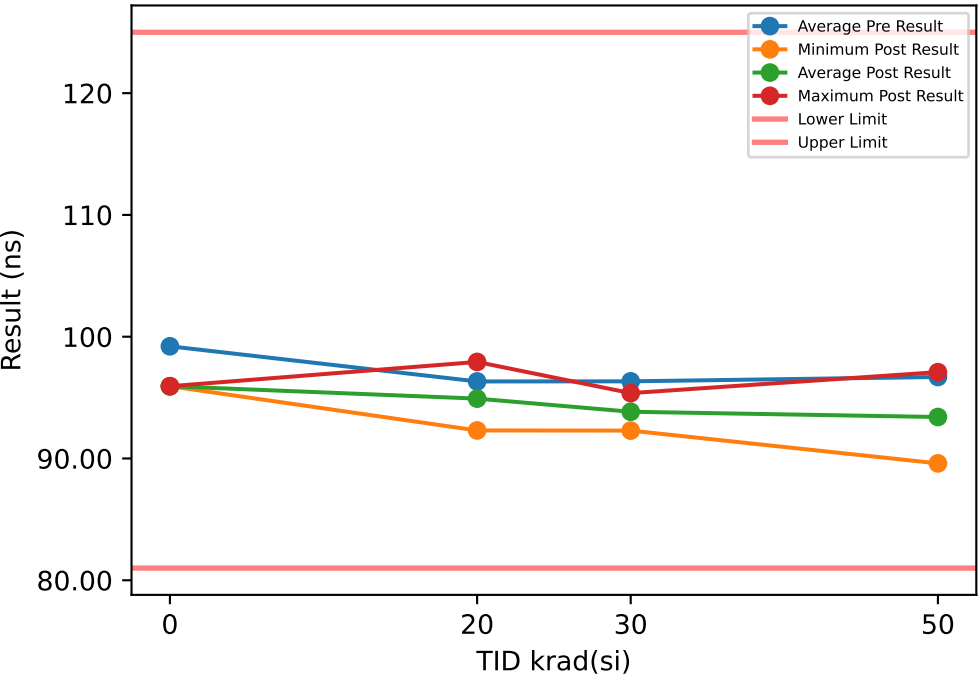
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	50.223	49.213	-1.0102
121	20	HDR biased	48.519	48.73	0.2115
122	20	HDR biased	50.498	48.17	-2.3279
123	20	HDR biased	47.514	47.58	0.0657
124	20	HDR biased	49.968	48.745	-1.2231
125	20	HDR biased	47.793	47.281	-0.5124
131	30	HDR biased	49.193	47.714	-1.4786
132	30	HDR biased	48.828	47.445	-1.3828
133	30	HDR biased	48.81	47.973	-0.8364
134	30	HDR biased	50.444	48.676	-1.7689
135	30	HDR biased	47.565	47.301	-0.264
151	50	HDR biased	49.761	47.63	-2.1312
152	50	HDR biased	50.018	49.453	-0.5654
153	50	HDR biased	49.482	47.2	-2.2819
154	50	HDR biased	47.42	45.898	-1.5216
155	50	HDR biased	50.437	48.33	-2.107
321	20	HDR unbiased	49.164	49.331	0.1668
322	20	HDR unbiased	50.865	48.336	-2.5297
323	20	HDR unbiased	48.379	48.398	0.0191
324	20	HDR unbiased	50.369	49.355	-1.014
325	20	HDR unbiased	49.203	49.888	0.6854
331	30	HDR unbiased	49.856	47.474	-2.3819
332	30	HDR unbiased	49.138	48.257	-0.8809
333	30	HDR unbiased	50.654	48.347	-2.3065
334	30	HDR unbiased	48.807	47.899	-0.9083
335	30	HDR unbiased	50.667	49.148	-1.5186
351	50	HDR unbiased	48.486	47.987	-0.4989
352	50	HDR unbiased	51.262	48.957	-2.3053
353	50	HDR unbiased	49.041	48.231	-0.8101
354	50	HDR unbiased	51.923	48.96	-2.963
355	50	HDR unbiased	47.756	47.487	-0.2688

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	50.223	50.223	50.223		49.213	49.213	49.213		-1.0102	-1.0102	-1.0102	
20	47.514	49.227	50.865	1.1723	47.281	48.581	49.888	0.80791	-2.5297	-0.64586	0.6854	1.1046
30	47.565	49.396	50.667	0.99903	47.301	48.023	49.148	0.58898	-2.3819	-1.3727	-0.264	0.67119
50	47.42	49.559	51.923	1.4439	45.898	48.013	49.453	1.031	-2.963	-1.5453	-0.2688	0.94366

Device Test: 95.23 T_RHL_MAX(_DHL Dead Time Max 500kHz VIN_10V)

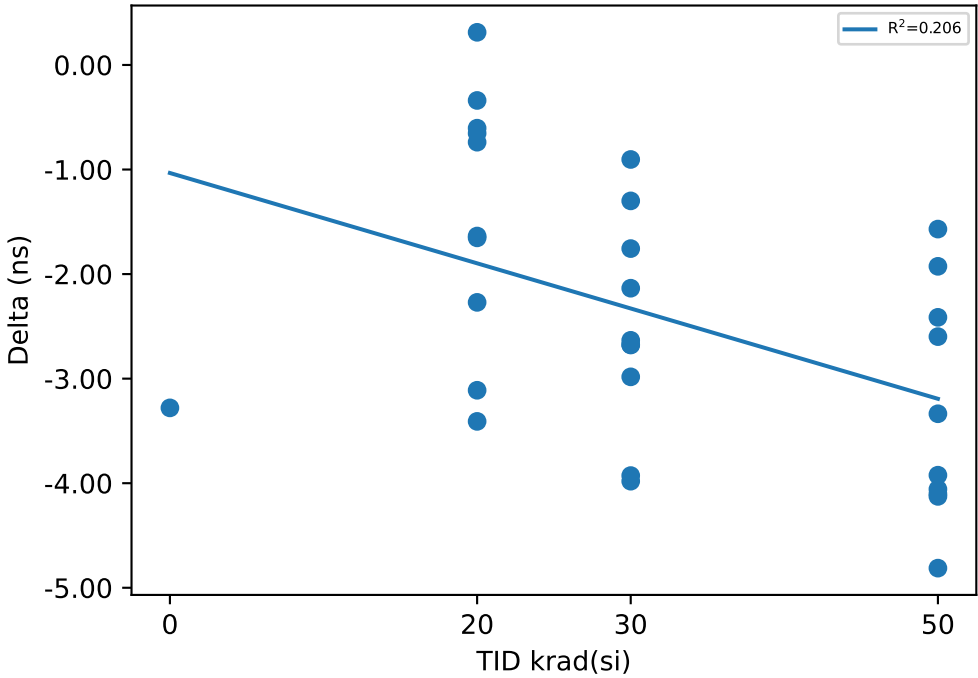
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	99.212	95.933	-3.2796
121	20	HDR biased	95.519	94.915	-0.6046
122	20	HDR biased	98.798	95.687	-3.1112
123	20	HDR biased	93.459	92.721	-0.7386
124	20	HDR biased	97.026	94.756	-2.2705
125	20	HDR biased	93.938	92.302	-1.6361
131	30	HDR biased	95.758	93.081	-2.6777
132	30	HDR biased	95.998	93.863	-2.1351
133	30	HDR biased	95.6	94.3	-1.3
134	30	HDR biased	97.743	94.76	-2.9828
135	30	HDR biased	93.194	92.29	-0.9038
151	50	HDR biased	95.593	91.669	-3.9234
152	50	HDR biased	99.504	97.091	-2.4136
153	50	HDR biased	95.207	91.15	-4.0571
154	50	HDR biased	92.934	89.598	-3.3359
155	50	HDR biased	97.753	93.626	-4.1261
321	20	HDR unbiased	95.944	95.605	-0.3394
322	20	HDR unbiased	98.659	95.251	-3.4088
323	20	HDR unbiased	94.265	93.612	-0.6537
324	20	HDR unbiased	98.045	96.391	-1.6536
325	20	HDR unbiased	97.615	97.927	0.3123
331	30	HDR unbiased	96.493	92.566	-3.927
332	30	HDR unbiased	96.522	93.846	-2.6762
333	30	HDR unbiased	98.36	94.379	-3.9808
334	30	HDR unbiased	95.686	93.93	-1.7561
335	30	HDR unbiased	98.001	95.367	-2.6334
351	50	HDR unbiased	95.396	93.47	-1.9258
352	50	HDR unbiased	99.668	95.565	-4.1025
353	50	HDR unbiased	96.471	93.873	-2.5981
354	50	HDR unbiased	100.78	95.968	-4.8123
355	50	HDR unbiased	93.614	92.044	-1.5696

TID vs Post - Pre Exposure Delta

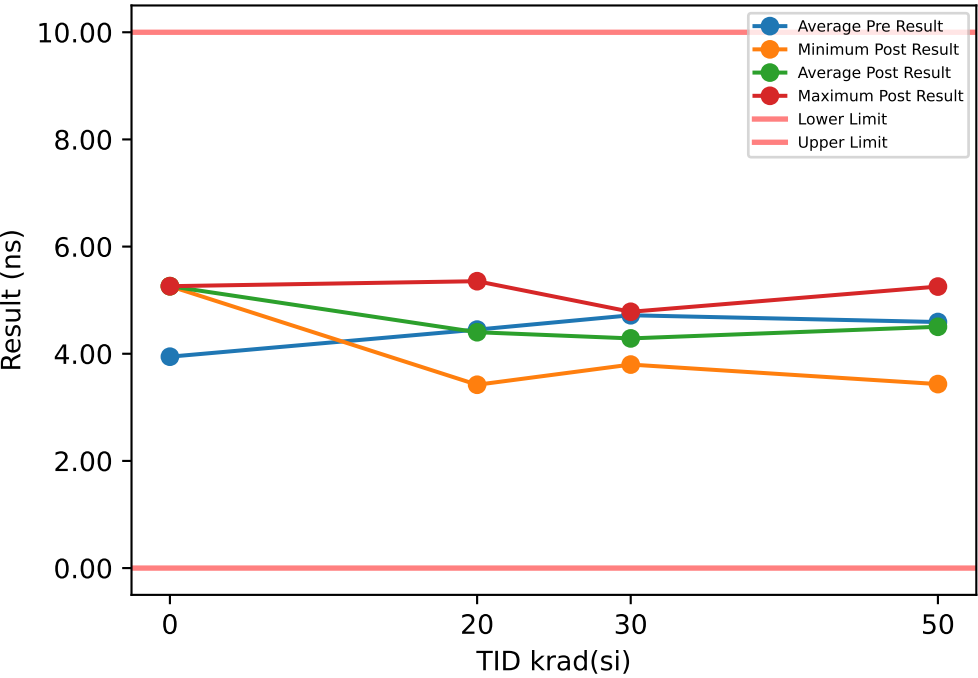


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.212	99.212	99.212		95.933	95.933	95.933		-3.2796	-3.2796	-3.2796	
20	93.459	96.327	98.798	1.9896	92.302	94.917	97.927	1.6933	-3.4088	-1.4104	0.3123	1.2258
30	93.194	96.335	98.36	1.4978	92.29	93.838	95.367	0.95995	-3.9808	-2.4973	-0.9038	1.012
50	92.934	96.692	100.78	2.6529	89.598	93.406	97.091	2.346	-4.8123	-3.2864	-1.5696	1.0922

Device Test: 95.24 T_RHL_MIN(_DHL Dead Time Min 1MHz VIN_10V)

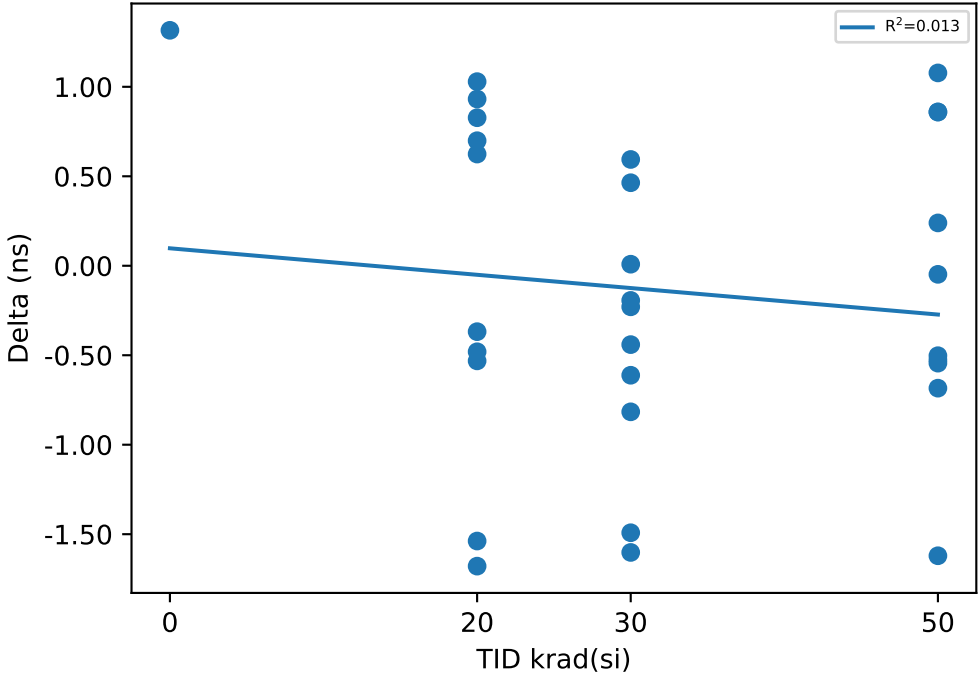
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.9452	5.2609	1.3157
121	20	HDR biased	3.9154	4.8471	0.9317
122	20	HDR biased	4.9597	3.4215	-1.5382
123	20	HDR biased	4.0185	4.6427	0.6242
124	20	HDR biased	5.1809	4.7003	-0.4806
125	20	HDR biased	4.2177	3.8494	-0.3683
131	30	HDR biased	5.3898	4.778	-0.6118
132	30	HDR biased	3.928	3.9367	0.0087
133	30	HDR biased	3.9918	3.7982	-0.1936
134	30	HDR biased	5.5629	4.7467	-0.8162
135	30	HDR biased	4.0275	4.6215	0.594
151	50	HDR biased	5.4728	4.9465	-0.5263
152	50	HDR biased	3.1946	3.434	0.2394
153	50	HDR biased	5.9379	5.2539	-0.684
154	50	HDR biased	4.1515	4.1036	-0.0479
155	50	HDR biased	5.2168	4.7142	-0.5026
321	20	HDR unbiased	4.135	4.8338	0.6988
322	20	HDR unbiased	5.2743	3.5958	-1.6785
323	20	HDR unbiased	4.5268	5.354	0.8272
324	20	HDR unbiased	4.9447	4.4132	-0.5315
325	20	HDR unbiased	3.3323	4.3612	1.0289
331	30	HDR unbiased	5.5374	3.9355	-1.6019
332	30	HDR unbiased	3.6988	4.1628	0.464
333	30	HDR unbiased	5.5734	4.0815	-1.4919
334	30	HDR unbiased	4.2495	4.0201	-0.2294
335	30	HDR unbiased	5.2239	4.7833	-0.4406
351	50	HDR unbiased	3.7568	4.6162	0.8594
352	50	HDR unbiased	5.388	4.8438	-0.5442
353	50	HDR unbiased	3.7104	4.5694	0.859
354	50	HDR unbiased	5.2231	3.6026	-1.6205
355	50	HDR unbiased	3.8706	4.9482	1.0776

TID vs Post - Pre Exposure Delta

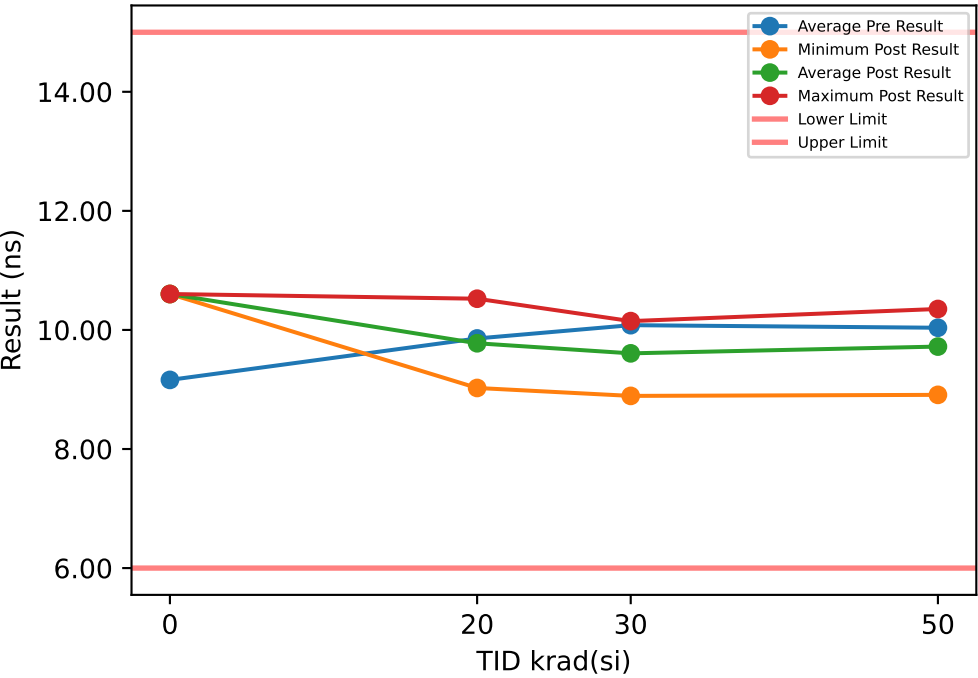


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9452	3.9452	3.9452		5.2609	5.2609	5.2609		1.3157	1.3157	1.3157	
20	3.3323	4.4505	5.2743	0.63233	3.4215	4.4019	5.354	0.61067	-1.6785	-0.04863	1.0289	1.0164
30	3.6988	4.7183	5.5734	0.79657	3.7982	4.2864	4.7833	0.39787	-1.6019	-0.43187	0.594	0.73179
50	3.1946	4.5922	5.9379	0.95169	3.434	4.5032	5.2539	0.6009	-1.6205	-0.08901	1.0776	0.8523

Device Test: 95.25 T_RHL_SMALL(_DHL Dead Time Small 1MHz VIN_10V)

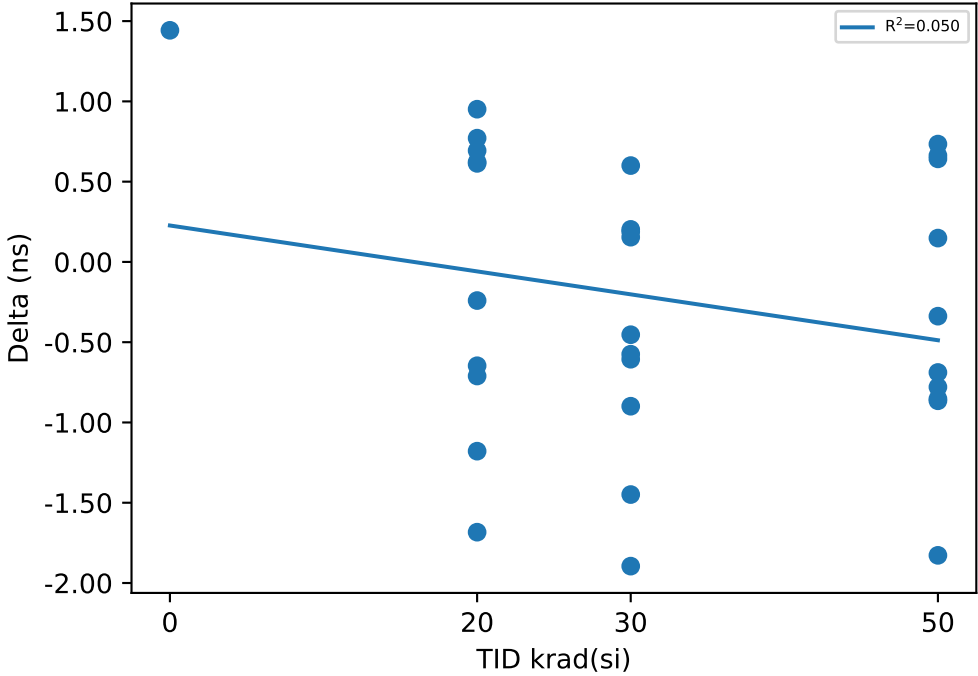
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.1608	10.604	1.4427
121	20	HDR biased	9.3363	10.107	0.7709
122	20	HDR biased	10.384	9.2055	-1.1788
123	20	HDR biased	9.1681	9.8616	0.6935
124	20	HDR biased	10.61	9.9636	-0.6467
125	20	HDR biased	9.266	9.0254	-0.2406
131	30	HDR biased	10.508	9.9328	-0.5748
132	30	HDR biased	9.3456	8.8922	-0.4534
133	30	HDR biased	9.372	9.56	0.188
134	30	HDR biased	10.965	10.066	-0.8988
135	30	HDR biased	9.1731	9.7733	0.6002
151	50	HDR biased	10.825	10.136	-0.6886
152	50	HDR biased	8.7611	8.9096	0.1485
153	50	HDR biased	11.217	10.352	-0.8649
154	50	HDR biased	9.4397	9.1018	-0.3379
155	50	HDR biased	10.87	10.017	-0.8526
321	20	HDR unbiased	9.675	10.289	0.6138
322	20	HDR unbiased	10.805	9.1214	-1.6834
323	20	HDR unbiased	9.9018	10.524	0.6226
324	20	HDR unbiased	10.499	9.7882	-0.7106
325	20	HDR unbiased	8.9242	9.8755	0.9513
331	30	HDR unbiased	10.976	9.0808	-1.8949
332	30	HDR unbiased	9.219	9.4217	0.2027
333	30	HDR unbiased	10.902	9.4528	-1.449
334	30	HDR unbiased	9.5866	9.7408	0.1542
335	30	HDR unbiased	10.754	10.148	-0.6061
351	50	HDR unbiased	9.1606	9.8234	0.6628
352	50	HDR unbiased	10.853	10.074	-0.7793
353	50	HDR unbiased	9.1699	9.8118	0.6419
354	50	HDR unbiased	10.782	8.9541	-1.8277
355	50	HDR unbiased	9.291	10.025	0.734

TID vs Post - Pre Exposure Delta

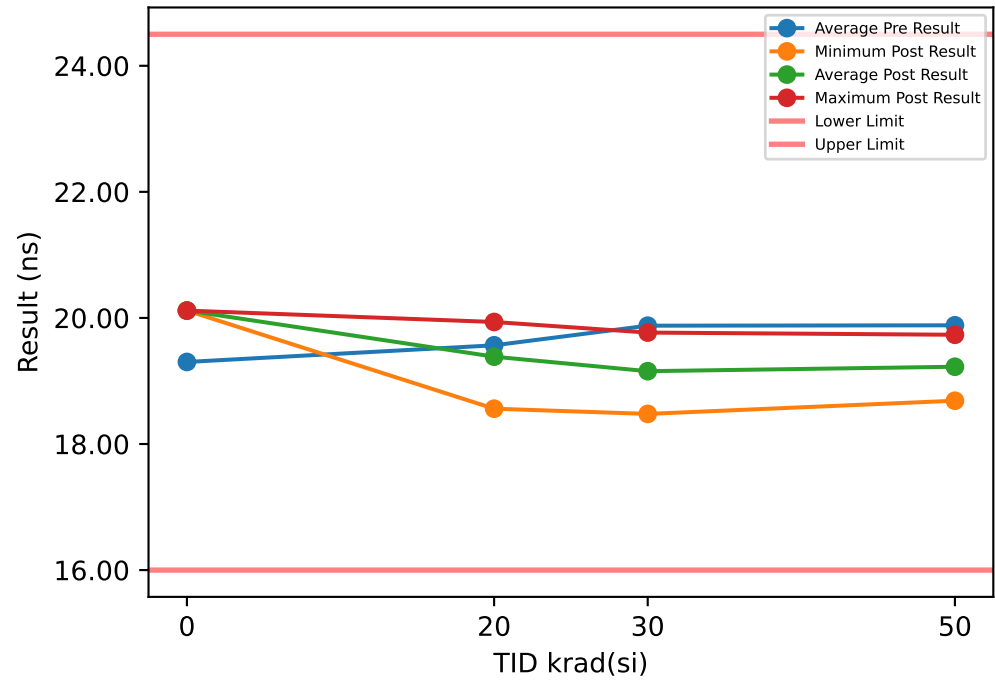


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.1608	9.1608	9.1608		10.604	10.604	10.604		1.4427	1.4427	1.4427	
20	8.9242	9.857	10.805	0.67954	9.0254	9.7762	10.524	0.50582	-1.6834	-0.0808	0.9513	0.93593
30	9.1731	10.08	10.976	0.799	8.8922	9.6068	10.148	0.4087	-1.8949	-0.47319	0.6002	0.79041
50	8.7611	10.037	11.217	0.94218	8.9096	9.7205	10.352	0.52961	-1.8277	-0.31638	0.734	0.84474

Device Test: 95.26 T_RHL_MID(_DHL Dead Time Mid 1MHz VIN_10V)

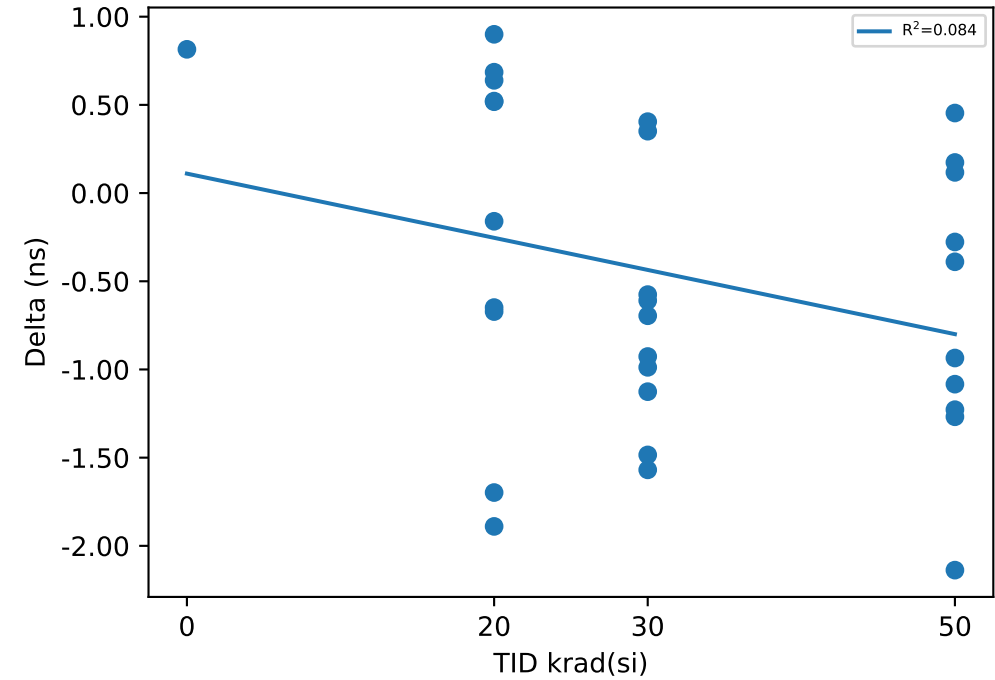
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.302	20.117	0.815
121	20	HDR biased	19.028	19.713	0.6853
122	20	HDR biased	20.45	18.56	-1.8898
123	20	HDR biased	18.693	19.215	0.5214
124	20	HDR biased	20.28	19.631	-0.6491
125	20	HDR biased	18.962	18.802	-0.1599
131	30	HDR biased	20.29	19.302	-0.9879
132	30	HDR biased	19.087	18.478	-0.6093
133	30	HDR biased	19.404	18.708	-0.6955
134	30	HDR biased	20.672	19.546	-1.1259
135	30	HDR biased	18.683	19.034	0.3509
151	50	HDR biased	20.713	19.445	-1.2682
152	50	HDR biased	19.061	18.783	-0.2772
153	50	HDR biased	20.647	19.563	-1.0834
154	50	HDR biased	19.076	18.687	-0.3895
155	50	HDR biased	20.756	19.528	-1.228
321	20	HDR unbiased	19.403	19.921	0.518
322	20	HDR unbiased	20.414	18.716	-1.6978
323	20	HDR unbiased	19.297	19.936	0.6392
324	20	HDR unbiased	20.281	19.61	-0.6718
325	20	HDR unbiased	18.85	19.75	0.9001
331	30	HDR unbiased	20.55	18.981	-1.5691
332	30	HDR unbiased	19.027	19.432	0.4049
333	30	HDR unbiased	20.936	19.451	-1.4845
334	30	HDR unbiased	19.428	18.853	-0.5756
335	30	HDR unbiased	20.694	19.768	-0.9266
351	50	HDR unbiased	19.069	19.242	0.1735
352	50	HDR unbiased	20.668	19.733	-0.9351
353	50	HDR unbiased	19.184	19.301	0.1173
354	50	HDR unbiased	20.827	18.689	-2.1377
355	50	HDR unbiased	18.829	19.283	0.4538

TID vs Post - Pre Exposure Delta

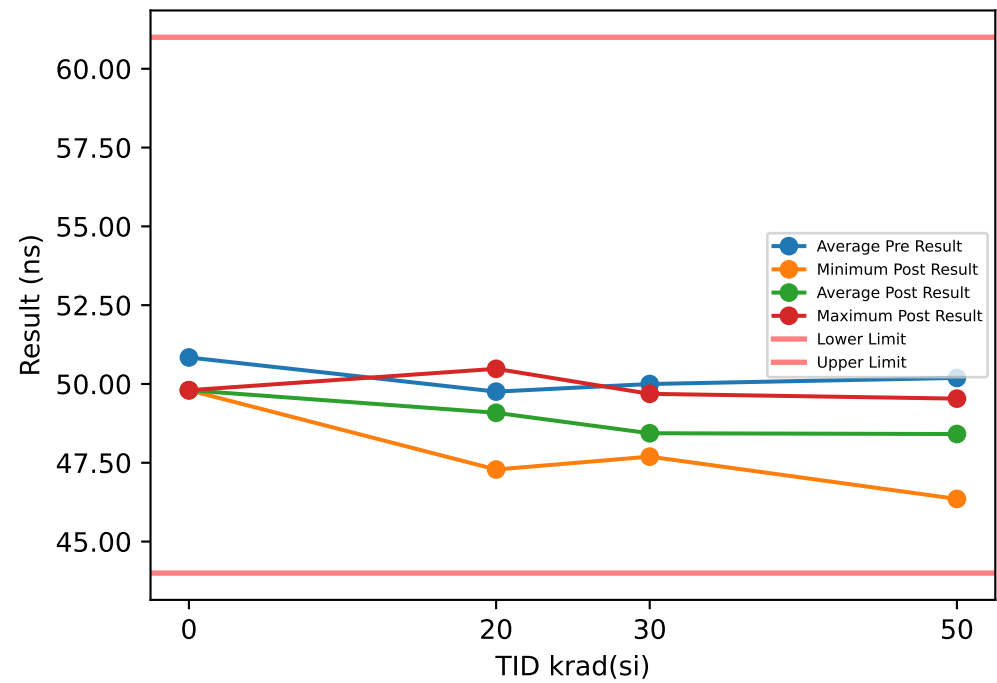


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.302	19.302	19.302		20.117	20.117	20.117		0.815	0.815	0.815	
20	18.693	19.566	20.45	0.71114	18.56	19.385	19.936	0.5206	-1.8898	-0.18044	0.9001	1.0141
30	18.683	19.877	20.936	0.83278	18.478	19.155	19.768	0.40949	-1.5691	-0.72186	0.4049	0.66921
50	18.829	19.883	20.827	0.89025	18.687	19.226	19.733	0.37917	-2.1377	-0.65745	0.4538	0.80899

Device Test: 95.27 T_RHL_LARGE(_DHL Dead Time Large 1MHz VIN_10V)

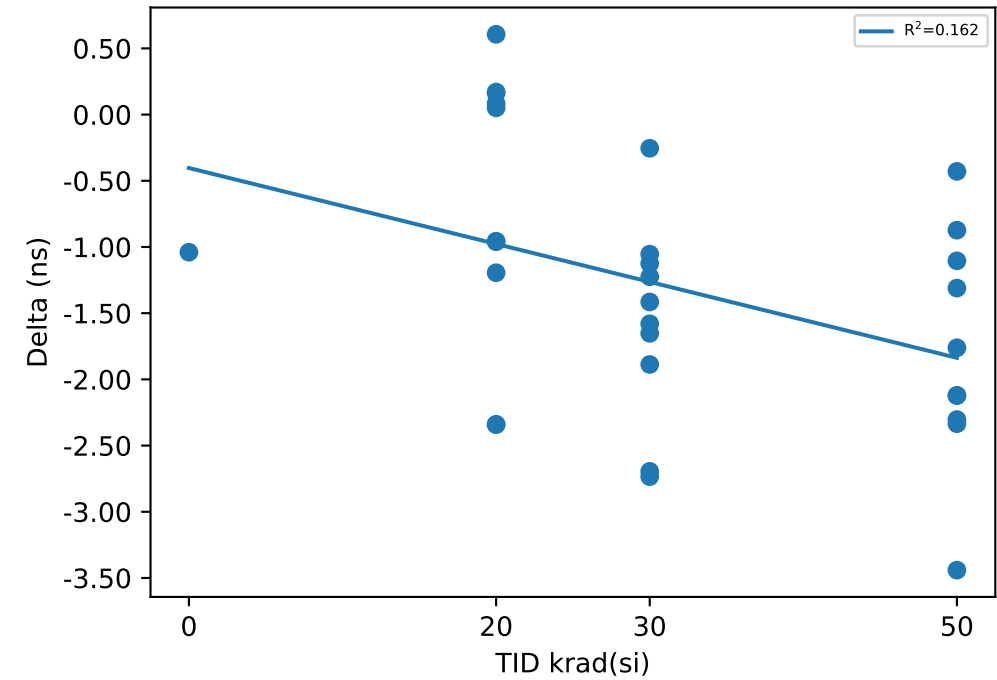
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	50.841	49.801	-1.0395
121	20	HDR biased	49.196	49.359	0.1627
122	20	HDR biased	51.099	48.76	-2.3392
123	20	HDR biased	48.029	48.081	0.051
124	20	HDR biased	50.469	49.274	-1.1946
125	20	HDR biased	48.242	47.286	-0.9561
131	30	HDR biased	49.967	48.08	-1.8873
132	30	HDR biased	49.248	48.023	-1.2247
133	30	HDR biased	49.508	48.383	-1.1253
134	30	HDR biased	50.833	49.181	-1.6523
135	30	HDR biased	48.146	47.891	-0.2544
151	50	HDR biased	50.221	48.099	-2.1223
152	50	HDR biased	50.846	49.535	-1.3105
153	50	HDR biased	49.814	47.693	-2.1206
154	50	HDR biased	48.114	46.352	-1.7613
155	50	HDR biased	51.185	48.882	-2.3036
321	20	HDR unbiased	49.728	49.899	0.1703
322	20	HDR unbiased	51.24	48.898	-2.3422
323	20	HDR unbiased	48.848	48.932	0.0835
324	20	HDR unbiased	50.843	49.883	-0.9603
325	20	HDR unbiased	49.875	50.481	0.6064
331	30	HDR unbiased	50.429	47.695	-2.7344
332	30	HDR unbiased	49.812	48.397	-1.4153
333	30	HDR unbiased	51.359	48.664	-2.6948
334	30	HDR unbiased	49.42	48.366	-1.054
335	30	HDR unbiased	51.267	49.687	-1.58
351	50	HDR unbiased	49.322	48.449	-0.8731
352	50	HDR unbiased	51.818	49.483	-2.3348
353	50	HDR unbiased	49.822	48.718	-1.1044
354	50	HDR unbiased	52.457	49.016	-3.4408
355	50	HDR unbiased	48.323	47.894	-0.4291

TID vs Post - Pre Exposure Delta

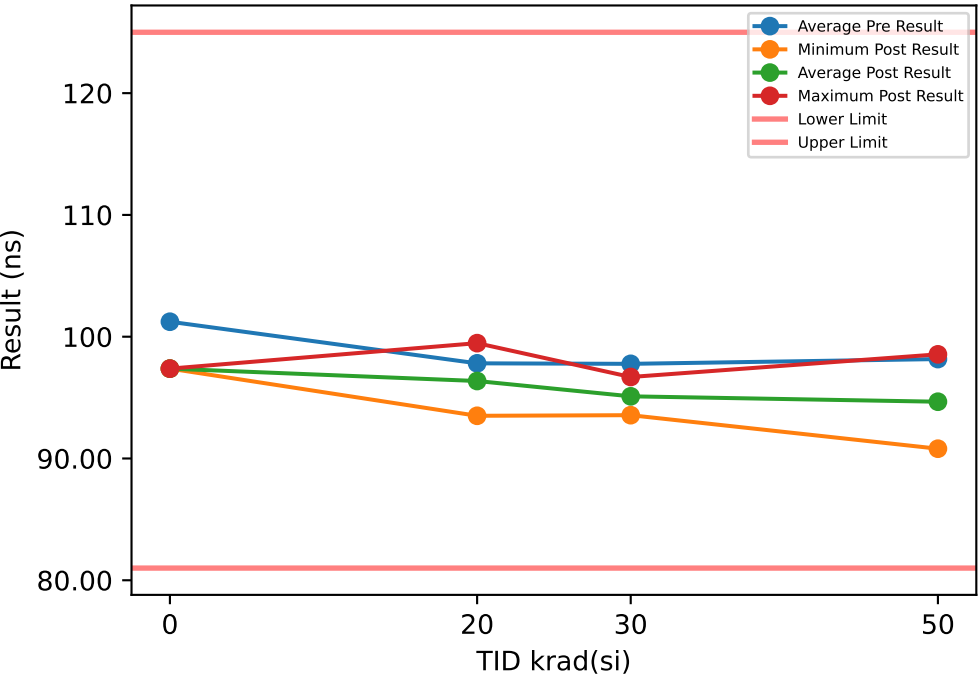


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	50.841	50.841	50.841		49.801	49.801	49.801		-1.0395	-1.0395	-1.0395	
20	48.029	49.757	51.24	1.1606	47.286	49.085	50.481	0.92914	-2.3422	-0.67185	0.6064	1.0614
30	48.146	49.999	51.359	0.99721	47.695	48.437	49.687	0.60784	-2.7344	-1.5622	-0.2544	0.75025
50	48.114	50.192	52.457	1.4157	46.352	48.412	49.535	0.95539	-3.4408	-1.78	-0.4291	0.87547

Device Test: 95.28 T_RHL_MAX(_DHL Dead Time Max 1MHz VIN_10V)

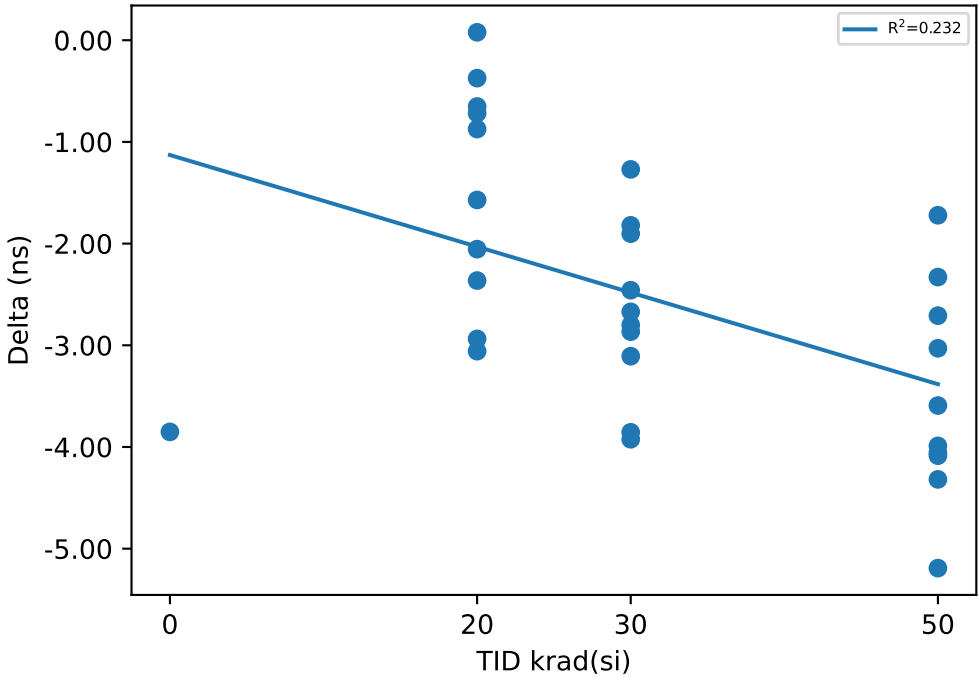
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	101.23	97.378	-3.8516
121	20	HDR biased	96.995	96.277	-0.7177
122	20	HDR biased	100.25	97.19	-3.0578
123	20	HDR biased	94.908	94.035	-0.8736
124	20	HDR biased	98.472	96.108	-2.3635
125	20	HDR biased	95.56	93.506	-2.0546
131	30	HDR biased	97.059	94.194	-2.8656
132	30	HDR biased	97.683	95.225	-2.4584
133	30	HDR biased	97.117	95.297	-1.8202
134	30	HDR biased	99.166	96.059	-3.1073
135	30	HDR biased	94.826	93.556	-1.2702
151	50	HDR biased	96.882	92.893	-3.9892
152	50	HDR biased	101.26	98.552	-2.7086
153	50	HDR biased	96.462	92.376	-4.0854
154	50	HDR biased	94.395	90.803	-3.5924
155	50	HDR biased	98.952	94.897	-4.0554
321	20	HDR unbiased	97.356	96.983	-0.3729
322	20	HDR unbiased	100.17	97.23	-2.937
323	20	HDR unbiased	95.543	94.891	-0.6519
324	20	HDR unbiased	99.497	97.926	-1.5707
325	20	HDR unbiased	99.393	99.471	0.0778
331	30	HDR unbiased	97.687	93.832	-3.8557
332	30	HDR unbiased	98.05	95.25	-2.8004
333	30	HDR unbiased	99.621	95.696	-3.9242
334	30	HDR unbiased	97.146	95.243	-1.9023
335	30	HDR unbiased	99.363	96.692	-2.6709
351	50	HDR unbiased	97.024	94.695	-2.3293
352	50	HDR unbiased	101.18	96.858	-4.3186
353	50	HDR unbiased	98.226	95.197	-3.0292
354	50	HDR unbiased	102.39	97.194	-5.1914
355	50	HDR unbiased	94.871	93.149	-1.7212

TID vs Post - Pre Exposure Delta

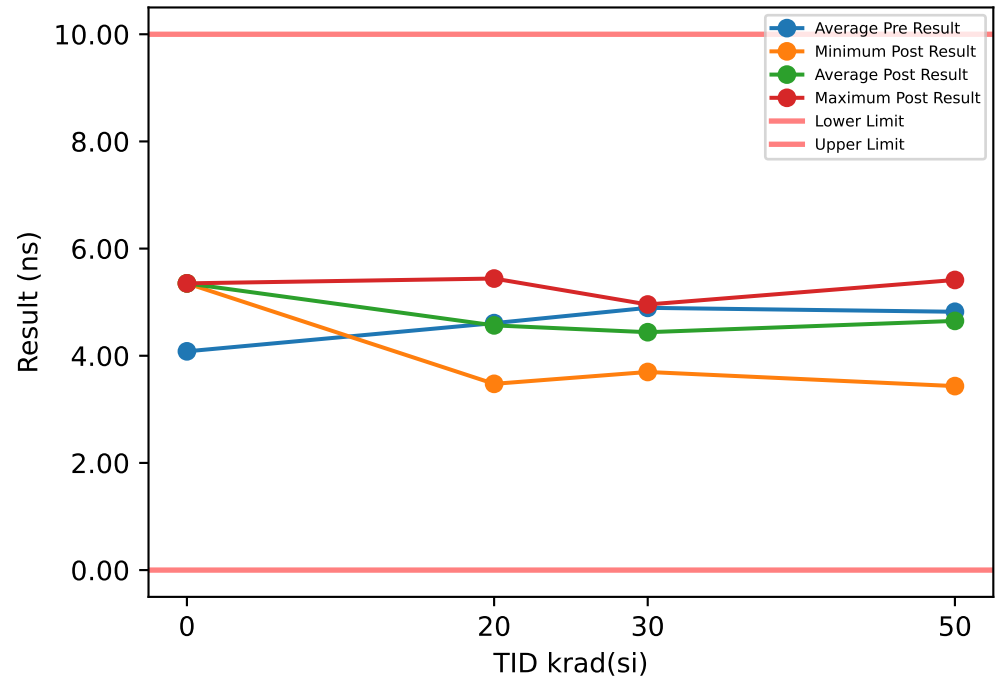


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	101.23	101.23	101.23		97.378	97.378	97.378		-3.8516	-3.8516	-3.8516	
20	94.908	97.814	100.25	2.0215	93.506	96.362	99.471	1.818	-3.0578	-1.4522	0.0778	1.1061
30	94.826	97.772	99.621	1.4138	93.556	95.104	96.692	0.98433	-3.9242	-2.6675	-1.2702	0.85252
50	94.395	98.163	102.39	2.7487	90.803	94.661	98.552	2.4092	-5.1914	-3.5021	-1.7212	1.0442

Device Test: 95.29 T_RHL_MIN(_DHL Dead Time Min 2MHz VIN_10V)

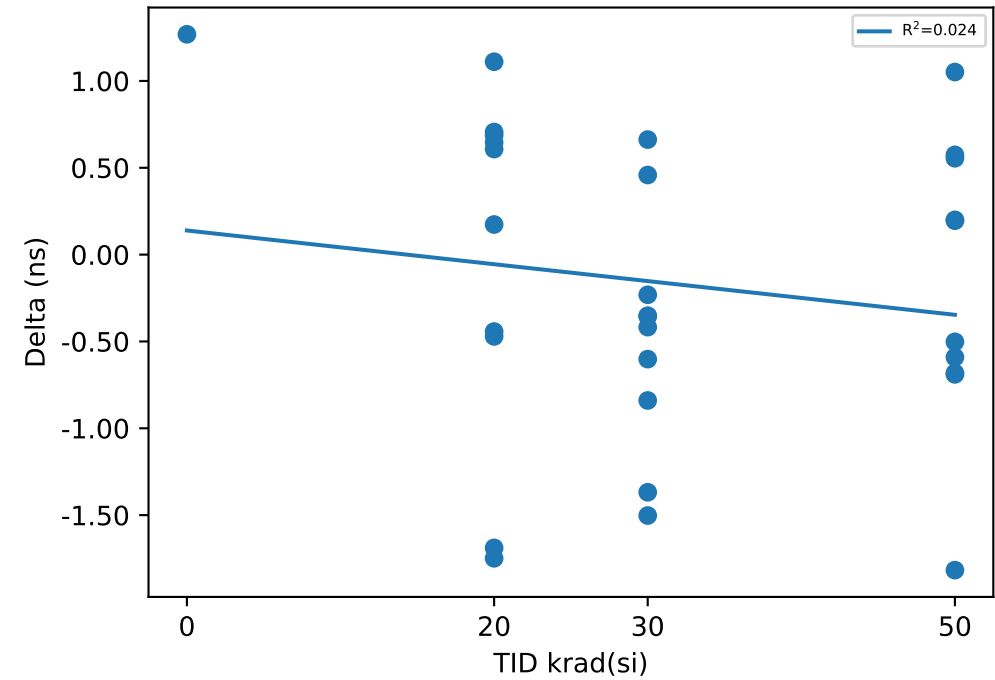
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	4.0825	5.3511	1.2686
121	20	HDR biased	4.1935	4.8995	0.706
122	20	HDR biased	5.2244	3.4758	-1.7486
123	20	HDR biased	4.1156	4.7621	0.6465
124	20	HDR biased	5.267	4.796	-0.471
125	20	HDR biased	4.3112	4.4846	0.1734
131	30	HDR biased	5.4477	4.8459	-0.6018
132	30	HDR biased	4.0492	3.6973	-0.3519
133	30	HDR biased	4.1798	3.9485	-0.2313
134	30	HDR biased	5.755	4.9152	-0.8398
135	30	HDR biased	4.1241	4.7864	0.6623
151	50	HDR biased	5.5357	5.0336	-0.5021
152	50	HDR biased	3.2385	3.4337	0.1952
153	50	HDR biased	6.0961	5.4144	-0.6817
154	50	HDR biased	4.5017	4.7019	0.2002
155	50	HDR biased	5.4306	4.8399	-0.5907
321	20	HDR unbiased	4.3924	5.0001	0.6077
322	20	HDR unbiased	5.4547	3.766	-1.6887
323	20	HDR unbiased	4.7537	5.4409	0.6872
324	20	HDR unbiased	4.9489	4.506	-0.4429
325	20	HDR unbiased	3.4272	4.5379	1.1107
331	30	HDR unbiased	5.7912	4.4228	-1.3684
332	30	HDR unbiased	3.9786	4.437	0.4584
333	30	HDR unbiased	5.7636	4.2613	-1.5023
334	30	HDR unbiased	4.478	4.1235	-0.3545
335	30	HDR unbiased	5.3741	4.9566	-0.4175
351	50	HDR unbiased	4.13	4.7044	0.5744
352	50	HDR unbiased	5.6364	4.9469	-0.6895
353	50	HDR unbiased	4.1446	4.6994	0.5548
354	50	HDR unbiased	5.4814	3.6646	-1.8168
355	50	HDR unbiased	4.0143	5.0657	1.0514

TID vs Post - Pre Exposure Delta

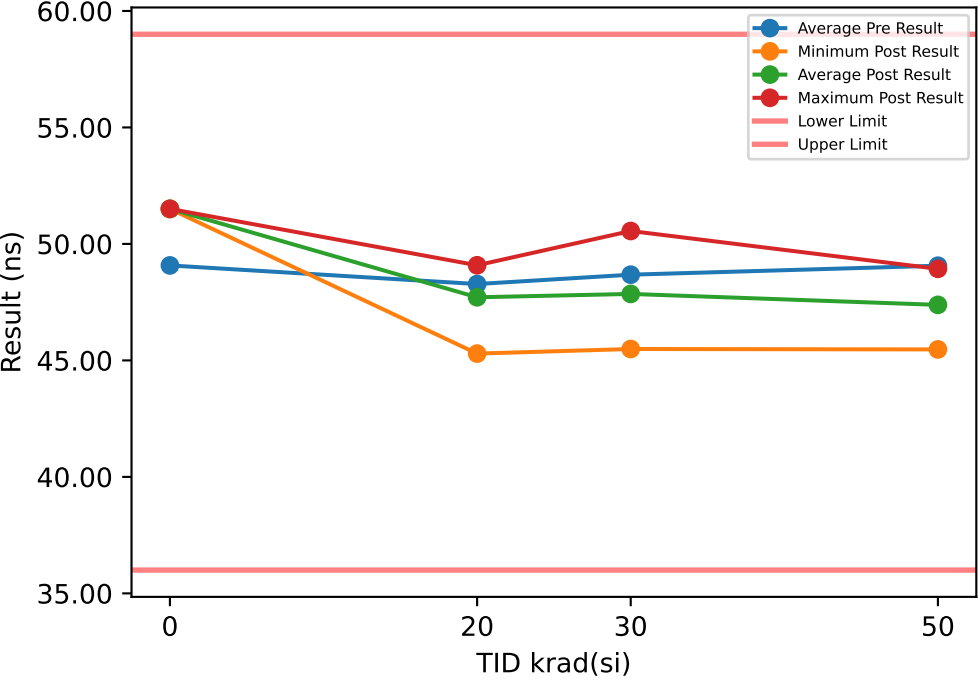


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.0825	4.0825	4.0825		5.3511	5.3511	5.3511		1.2686	1.2686	1.2686	
20	3.4272	4.6089	5.4547	0.63348	3.4758	4.5669	5.4409	0.57697	-1.7486	-0.04197	1.1107	1.0182
30	3.9786	4.8941	5.7912	0.79352	3.6973	4.4394	4.9566	0.435	-1.5023	-0.45468	0.6623	0.68764
50	3.2385	4.8209	6.0961	0.93103	3.4337	4.6505	5.4144	0.62245	-1.8168	-0.17048	1.0514	0.84147

Device Test: 95.3 T_RLH_LARGE(_DLHDead Time Large 500kHz VIN_10V)

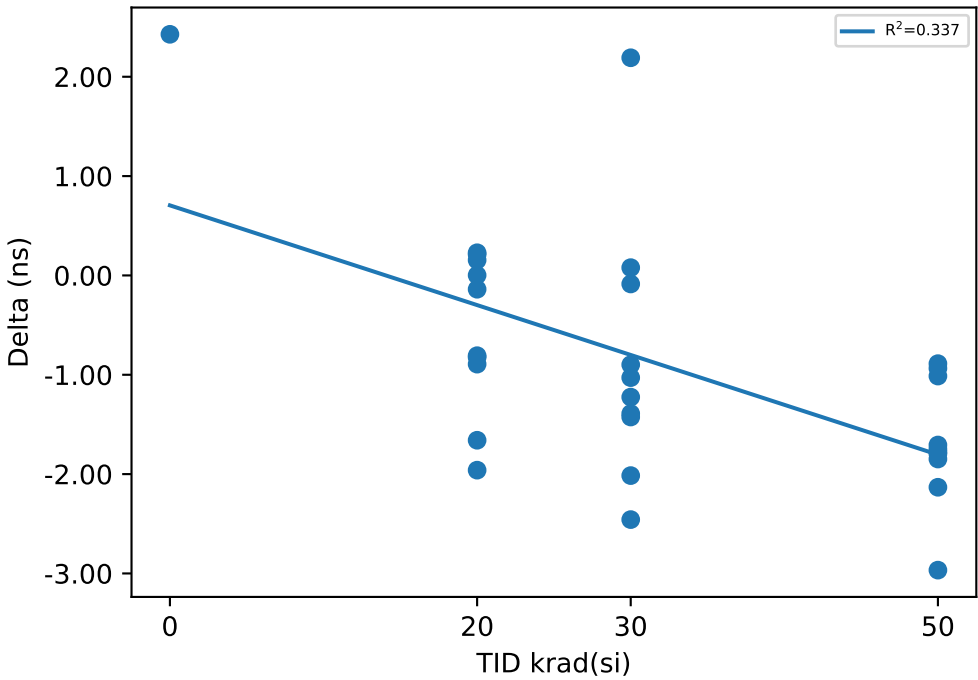
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	49.077	51.504	2.4273
121	20	HDR biased	48.372	48.6	0.2282
122	20	HDR biased	47.254	45.293	-1.9603
123	20	HDR biased	46.274	46.428	0.1543
124	20	HDR biased	49.429	48.536	-0.893
125	20	HDR biased	48.649	47.825	-0.8239
131	30	HDR biased	50.641	50.555	-0.0859
132	30	HDR biased	46.715	45.49	-1.2246
133	30	HDR biased	48.458	47.559	-0.8986
134	30	HDR biased	49.64	48.611	-1.0286
135	30	HDR biased	49.008	49.086	0.0784
151	50	HDR biased	50.21	48.361	-1.8482
152	50	HDR biased	47.604	45.472	-2.1324
153	50	HDR biased	49.719	47.941	-1.7782
154	50	HDR biased	49.8	48.052	-1.7484
155	50	HDR biased	49.774	48.067	-1.7071
321	20	HDR unbiased	48.102	48.313	0.2111
322	20	HDR unbiased	48.959	47.299	-1.6592
323	20	HDR unbiased	49.082	49.084	0.0023
324	20	HDR unbiased	49.037	48.229	-0.8079
325	20	HDR unbiased	47.629	47.49	-0.139
331	30	HDR unbiased	49.092	46.634	-2.4579
332	30	HDR unbiased	47.452	49.643	2.1912
333	30	HDR unbiased	48.8	46.785	-2.0149
334	30	HDR unbiased	47.809	46.384	-1.4252
335	30	HDR unbiased	49.183	47.792	-1.391
351	50	HDR unbiased	49.944	48.931	-1.013
352	50	HDR unbiased	49.505	47.71	-1.7947
353	50	HDR unbiased	47.434	46.546	-0.8881
354	50	HDR unbiased	48.518	45.551	-2.9667
355	50	HDR unbiased	48.145	47.21	-0.9349

TID vs Post - Pre Exposure Delta

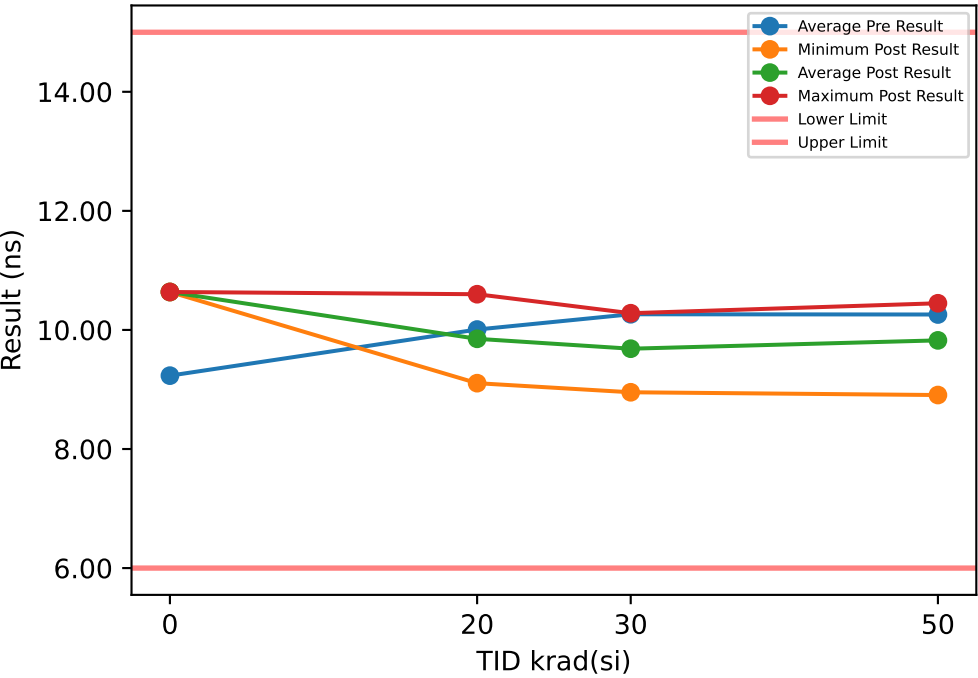


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.077	49.077	49.077		51.504	51.504	51.504		2.4273	2.4273	2.4273	
20	46.274	48.278	49.429	0.98179	45.293	47.71	49.084	1.1406	-1.9603	-0.56874	0.2282	0.79091
30	46.715	48.68	50.641	1.1298	45.49	47.854	50.555	1.6006	-2.4579	-0.82571	2.1912	1.3093
50	47.434	49.065	50.21	1.0373	45.472	47.384	48.931	1.1749	-2.9667	-1.6812	-0.8881	0.62751

Device Test: 95.30 T_RHL_SMALL(_DHL Dead Time Small 2MHz VIN_10V)

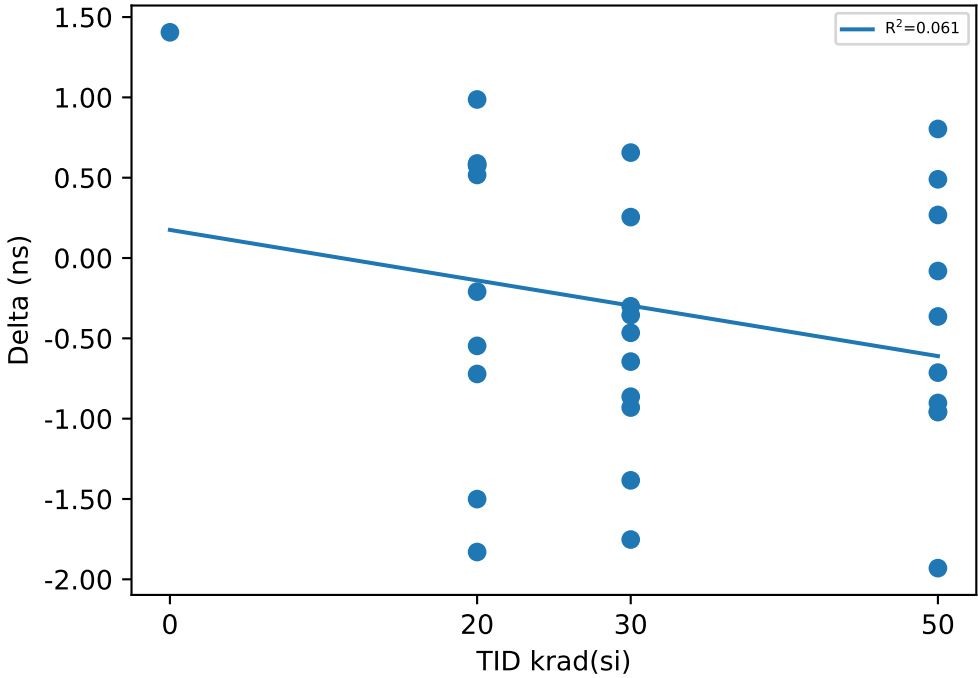
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.2323	10.637	1.4051
121	20	HDR biased	9.5438	10.133	0.5887
122	20	HDR biased	10.607	9.1058	-1.5007
123	20	HDR biased	9.3185	9.8921	0.5736
124	20	HDR biased	10.669	10.122	-0.5469
125	20	HDR biased	9.4526	9.2434	-0.2092
131	30	HDR biased	10.923	10.06	-0.8633
132	30	HDR biased	9.4184	8.9531	-0.4653
133	30	HDR biased	9.6044	9.2491	-0.3553
134	30	HDR biased	11.155	10.225	-0.9307
135	30	HDR biased	9.255	9.9113	0.6563
151	50	HDR biased	10.981	10.268	-0.7133
152	50	HDR biased	8.9876	8.9067	-0.0809
153	50	HDR biased	11.35	10.448	-0.9022
154	50	HDR biased	9.6817	9.3178	-0.3639
155	50	HDR biased	11.057	10.098	-0.9588
321	20	HDR unbiased	9.8255	10.408	0.582
322	20	HDR unbiased	10.939	9.1087	-1.8301
323	20	HDR unbiased	10.083	10.6	0.5171
324	20	HDR unbiased	10.61	9.8883	-0.7217
325	20	HDR unbiased	9.0221	10.009	0.987
331	30	HDR unbiased	11.008	9.2558	-1.7524
332	30	HDR unbiased	9.3983	9.6531	0.2548
333	30	HDR unbiased	11.158	9.7736	-1.3839
334	30	HDR unbiased	9.7875	9.4872	-0.3003
335	30	HDR unbiased	10.926	10.281	-0.6448
351	50	HDR unbiased	9.6625	9.9307	0.2682
352	50	HDR unbiased	11.113	10.156	-0.9571
353	50	HDR unbiased	9.4459	9.936	0.4901
354	50	HDR unbiased	11.015	9.0842	-1.9304
355	50	HDR unbiased	9.2995	10.103	0.8035

TID vs Post - Pre Exposure Delta

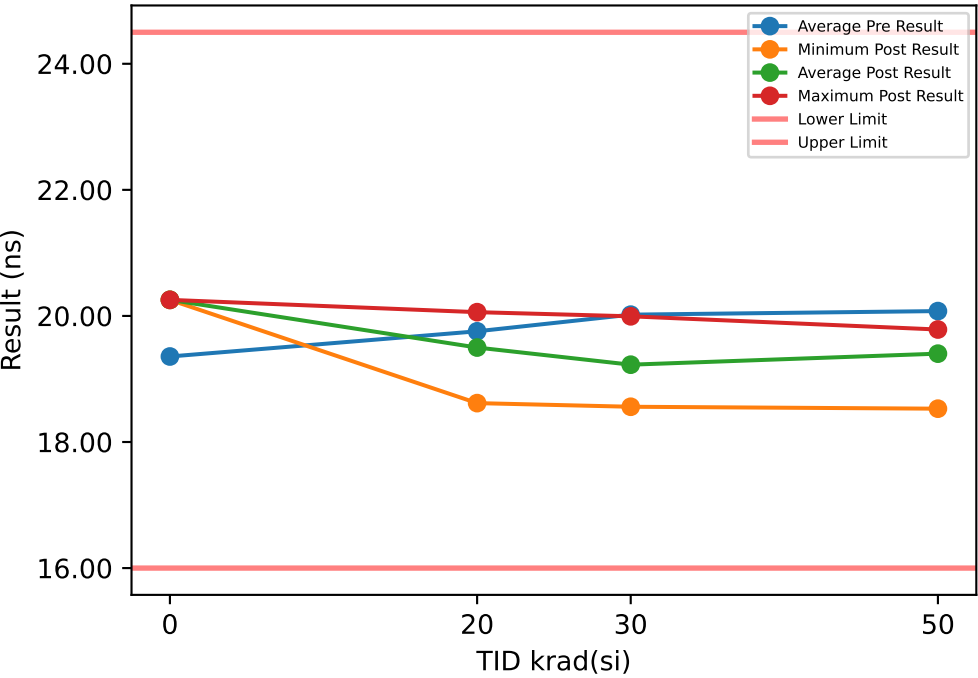


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.2323	9.2323	9.2323		10.637	10.637	10.637		1.4051	1.4051	1.4051	
20	9.0221	10.007	10.939	0.66953	9.1058	9.851	10.6	0.5299	-1.8301	-0.15602	0.987	0.97054
30	9.255	10.263	11.158	0.82753	8.9531	9.6848	10.281	0.44667	-1.7524	-0.57849	0.6563	0.71456
50	8.9876	10.259	11.35	0.91509	8.9067	9.8248	10.448	0.52899	-1.9304	-0.43448	0.8035	0.82284

Device Test: 95.31 T_RHL_MID(_DHL Dead Time Mid 2MHz VIN_10V)

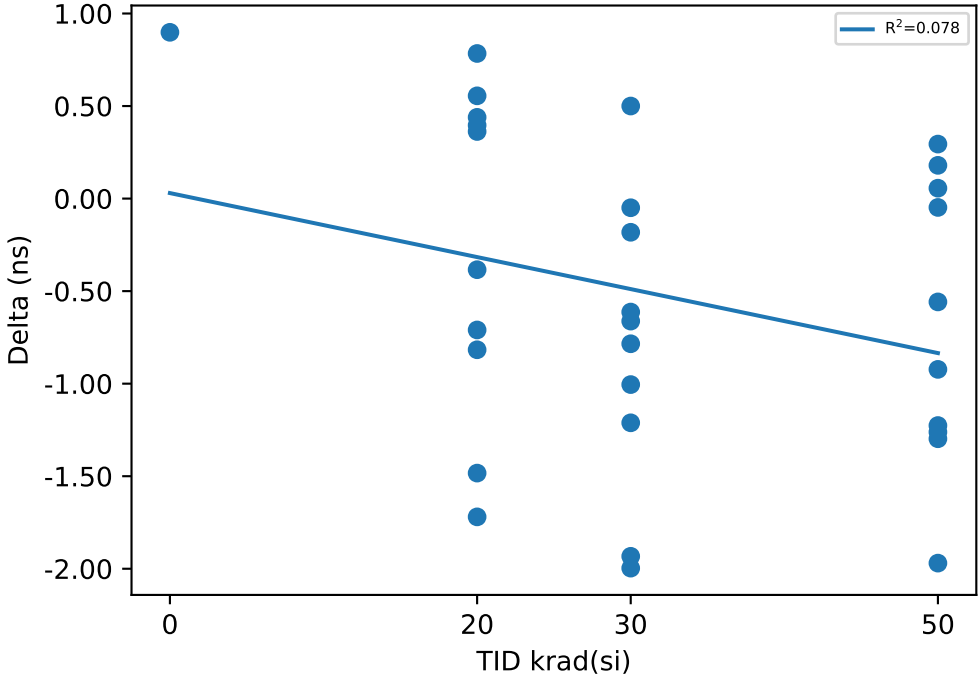
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.357	20.255	0.8984
121	20	HDR biased	19.223	19.778	0.5552
122	20	HDR biased	20.408	18.689	-1.7197
123	20	HDR biased	18.839	19.278	0.439
124	20	HDR biased	20.41	19.7	-0.7098
125	20	HDR biased	19.001	18.617	-0.3842
131	30	HDR biased	20.547	19.335	-1.2115
132	30	HDR biased	19.172	18.559	-0.6131
133	30	HDR biased	19.373	19.324	-0.0495
134	30	HDR biased	20.837	19.832	-1.0049
135	30	HDR biased	18.749	19.249	0.5001
151	50	HDR biased	20.837	19.611	-1.2262
152	50	HDR biased	19.284	19.237	-0.0478
153	50	HDR biased	20.611	19.688	-0.9228
154	50	HDR biased	19.087	18.529	-0.5583
155	50	HDR biased	20.904	19.642	-1.2615
321	20	HDR unbiased	19.664	20.06	0.3961
322	20	HDR unbiased	20.804	19.321	-1.4832
323	20	HDR unbiased	19.623	19.985	0.3625
324	20	HDR unbiased	20.545	19.728	-0.8168
325	20	HDR unbiased	19.046	19.829	0.784
331	30	HDR unbiased	20.772	18.776	-1.9967
332	30	HDR unbiased	19.383	19.201	-0.182
333	30	HDR unbiased	21.064	19.131	-1.9328
334	30	HDR unbiased	19.526	18.864	-0.662
335	30	HDR unbiased	20.778	19.994	-0.7844
351	50	HDR unbiased	19.378	19.434	0.0562
352	50	HDR unbiased	21.082	19.785	-1.2976
353	50	HDR unbiased	19.305	19.485	0.1796
354	50	HDR unbiased	21.226	19.256	-1.9696
355	50	HDR unbiased	19.055	19.349	0.2945

TID vs Post - Pre Exposure Delta

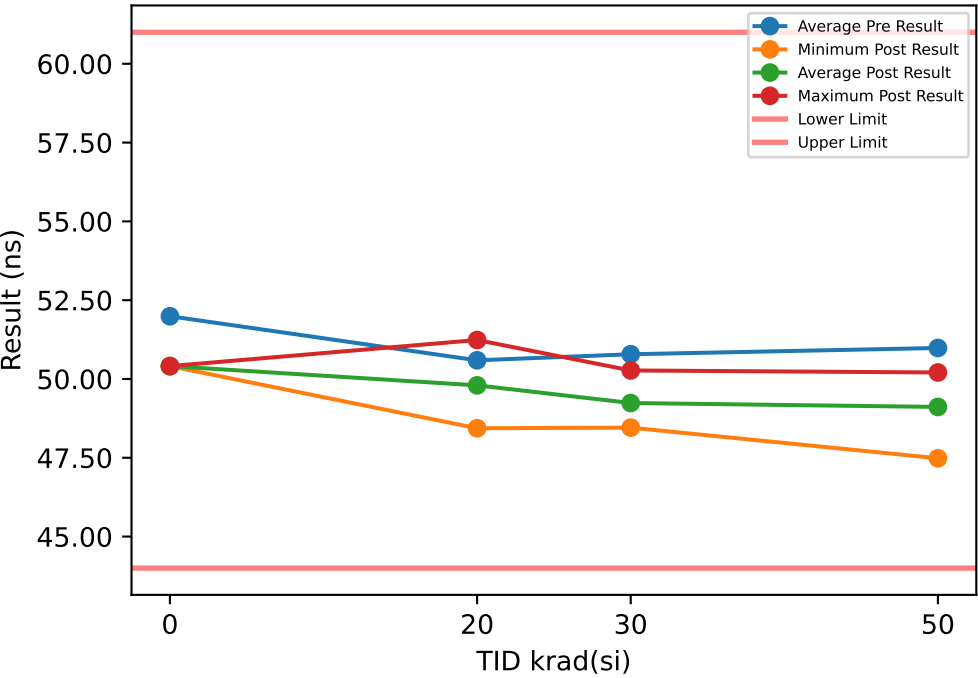


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.357	19.357	19.357		20.255	20.255	20.255		0.8984	0.8984	0.8984	
20	18.839	19.756	20.804	0.73032	18.617	19.499	20.06	0.51064	-1.7197	-0.25769	0.784	0.8954
30	18.749	20.02	21.064	0.85492	18.559	19.227	19.994	0.44313	-1.9967	-0.79368	0.5001	0.78993
50	19.055	20.077	21.226	0.91972	18.529	19.401	19.785	0.35768	-1.9696	-0.67535	0.2945	0.7735

Device Test: 95.32 T_RHL_LARGE(_DHL Dead Time Large 2MHz VIN_10V)

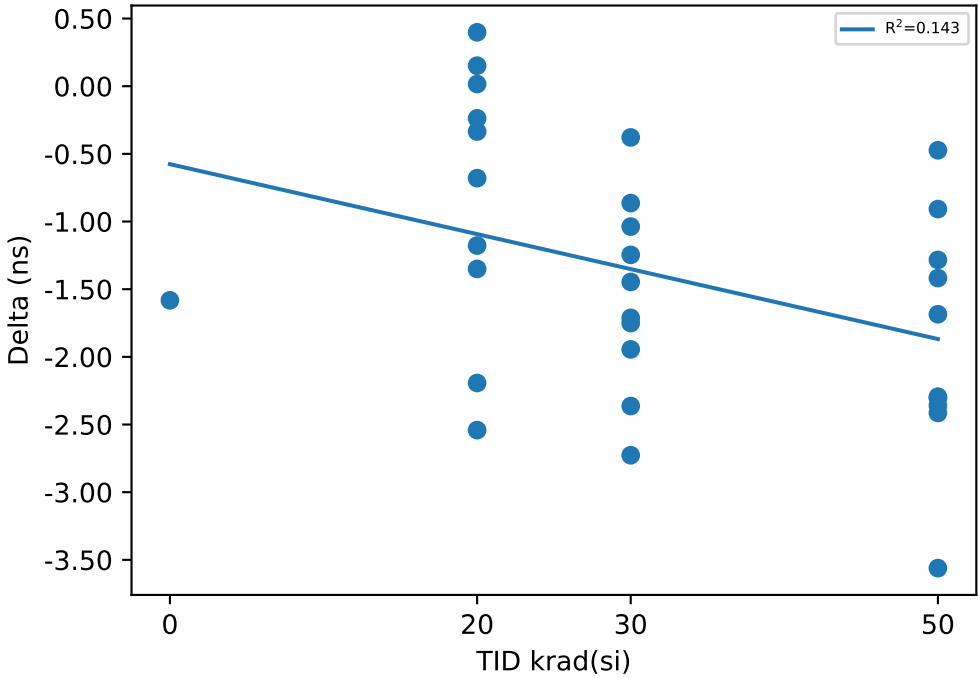
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	51.99	50.408	-1.5822
121	20	HDR biased	49.8	49.951	0.1516
122	20	HDR biased	51.718	49.524	-2.1932
123	20	HDR biased	48.986	48.651	-0.335
124	20	HDR biased	51.128	49.95	-1.1776
125	20	HDR biased	49.116	48.437	-0.6796
131	30	HDR biased	50.612	48.667	-1.9448
132	30	HDR biased	50.168	49.131	-1.0374
133	30	HDR biased	50.417	49.553	-0.8636
134	30	HDR biased	51.568	49.818	-1.7503
135	30	HDR biased	48.835	48.456	-0.3786
151	50	HDR biased	51.111	48.806	-2.3048
152	50	HDR biased	51.891	50.206	-1.6851
153	50	HDR biased	50.633	48.338	-2.2945
154	50	HDR biased	48.902	47.484	-1.4177
155	50	HDR biased	51.769	49.409	-2.3597
321	20	HDR unbiased	50.515	50.531	0.0158
322	20	HDR unbiased	52.134	49.593	-2.5414
323	20	HDR unbiased	49.775	49.537	-0.2376
324	20	HDR unbiased	51.915	50.565	-1.3503
325	20	HDR unbiased	50.838	51.236	0.3982
331	30	HDR unbiased	51.225	48.862	-2.3635
332	30	HDR unbiased	50.615	49.169	-1.4466
333	30	HDR unbiased	52.156	49.429	-2.7271
334	30	HDR unbiased	50.262	49.015	-1.2463
335	30	HDR unbiased	51.982	50.27	-1.7119
351	50	HDR unbiased	50.034	49.126	-0.908
352	50	HDR unbiased	52.553	50.138	-2.4145
353	50	HDR unbiased	50.7	49.417	-1.2837
354	50	HDR unbiased	53.252	49.691	-3.5612
355	50	HDR unbiased	48.987	48.514	-0.4735

TID vs Post - Pre Exposure Delta

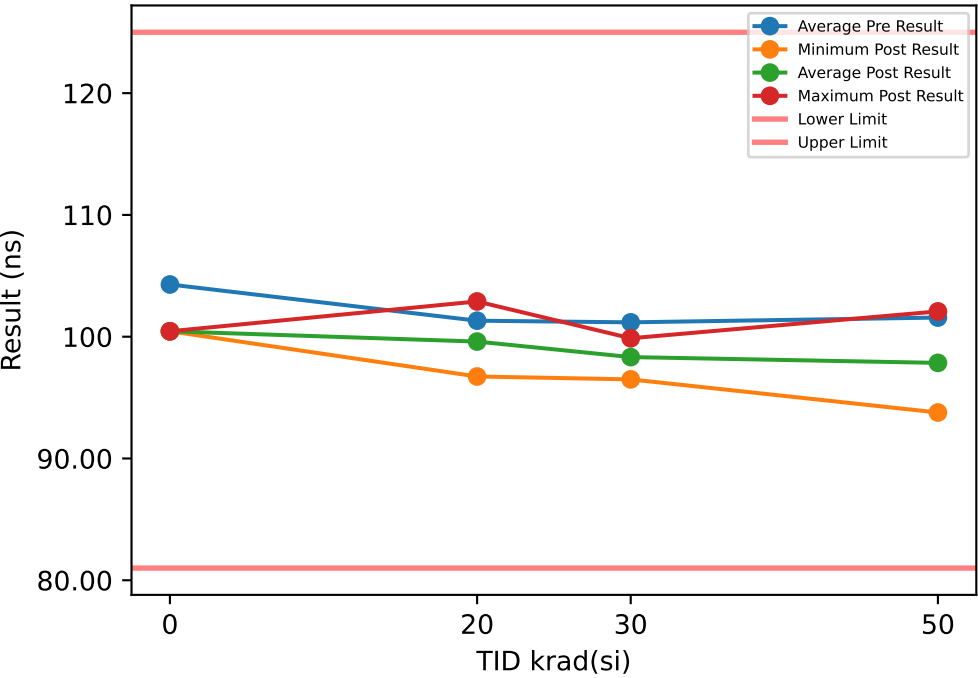


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	51.99	51.99	51.99		50.408	50.408	50.408		-1.5822	-1.5822	-1.5822	
20	48.986	50.592	52.134	1.1451	48.437	49.797	51.236	0.85583	-2.5414	-0.79491	0.3982	0.99847
30	48.835	50.784	52.156	0.98719	48.456	49.237	50.27	0.5459	-2.7271	-1.547	-0.3786	0.70541
50	48.902	50.983	53.252	1.4333	47.484	49.113	50.206	0.8477	-3.5612	-1.8703	-0.4735	0.89591

Device Test: 95.33 T_RHL_MAX(_DHL Dead Time Max 2MHz VIN_10V)

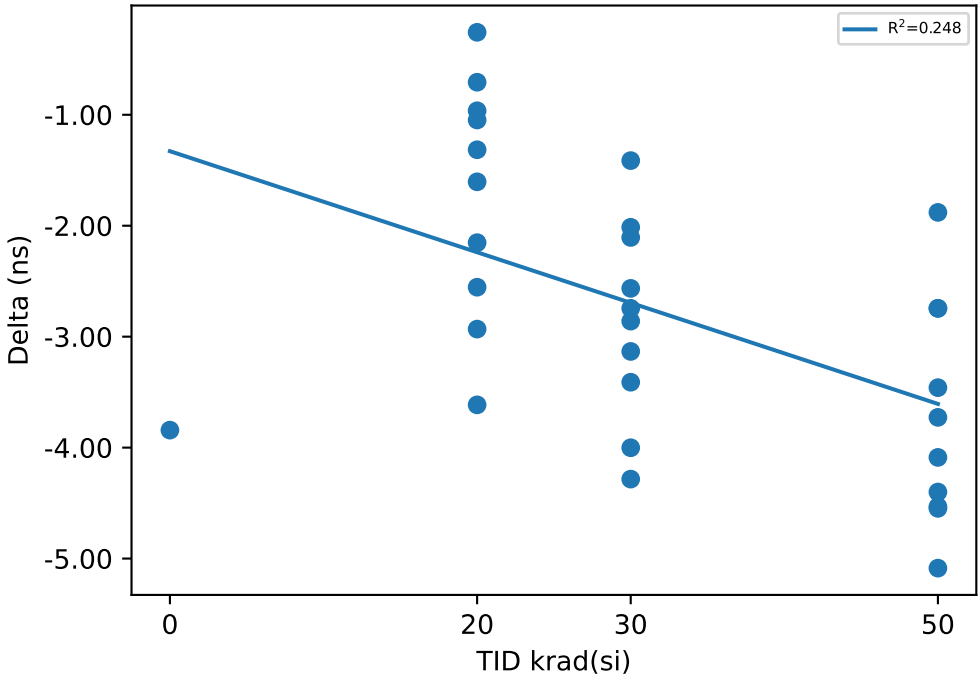
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	104.29	100.45	-3.8423
121	20	HDR biased	100.42	99.374	-1.0471
122	20	HDR biased	103.92	100.99	-2.9318
123	20	HDR biased	98.238	96.923	-1.3152
124	20	HDR biased	101.87	99.318	-2.5542
125	20	HDR biased	98.886	96.733	-2.1527
131	30	HDR biased	100.28	97.149	-3.1332
132	30	HDR biased	100.99	98.425	-2.5647
133	30	HDR biased	100.54	98.528	-2.0141
134	30	HDR biased	102.64	99.232	-3.4106
135	30	HDR biased	97.909	96.496	-1.413
151	50	HDR biased	99.99	95.901	-4.0882
152	50	HDR biased	104.82	102.08	-2.7441
153	50	HDR biased	99.673	95.273	-4.4002
154	50	HDR biased	97.503	93.776	-3.7273
155	50	HDR biased	102.48	97.952	-4.5317
321	20	HDR unbiased	100.93	100.22	-0.7067
322	20	HDR unbiased	103.81	100.2	-3.6146
323	20	HDR unbiased	99.003	98.039	-0.9639
324	20	HDR unbiased	102.91	101.31	-1.6042
325	20	HDR unbiased	103.15	102.89	-0.2567
331	30	HDR unbiased	101.27	96.984	-4.2839
332	30	HDR unbiased	101.74	98.995	-2.7446
333	30	HDR unbiased	103.07	99.067	-4.0012
334	30	HDR unbiased	100.62	98.518	-2.1057
335	30	HDR unbiased	102.73	99.872	-2.86
351	50	HDR unbiased	100.6	97.858	-2.7449
352	50	HDR unbiased	104.85	100.31	-4.5476
353	50	HDR unbiased	101.83	98.371	-3.4595
354	50	HDR unbiased	105.8	100.71	-5.0863
355	50	HDR unbiased	98.157	96.278	-1.8799

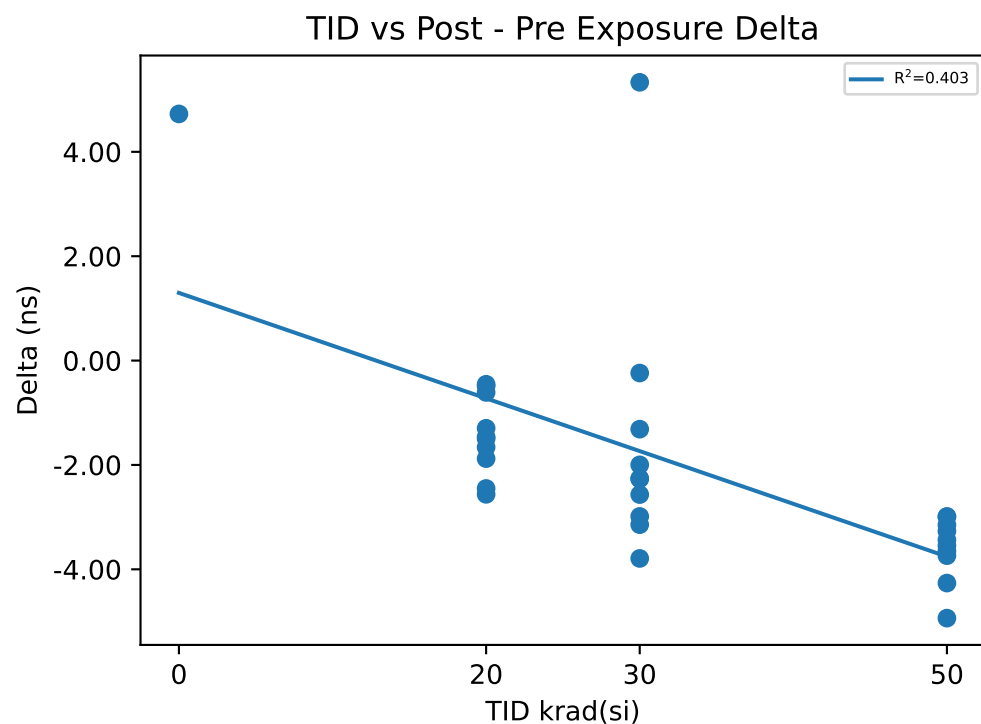
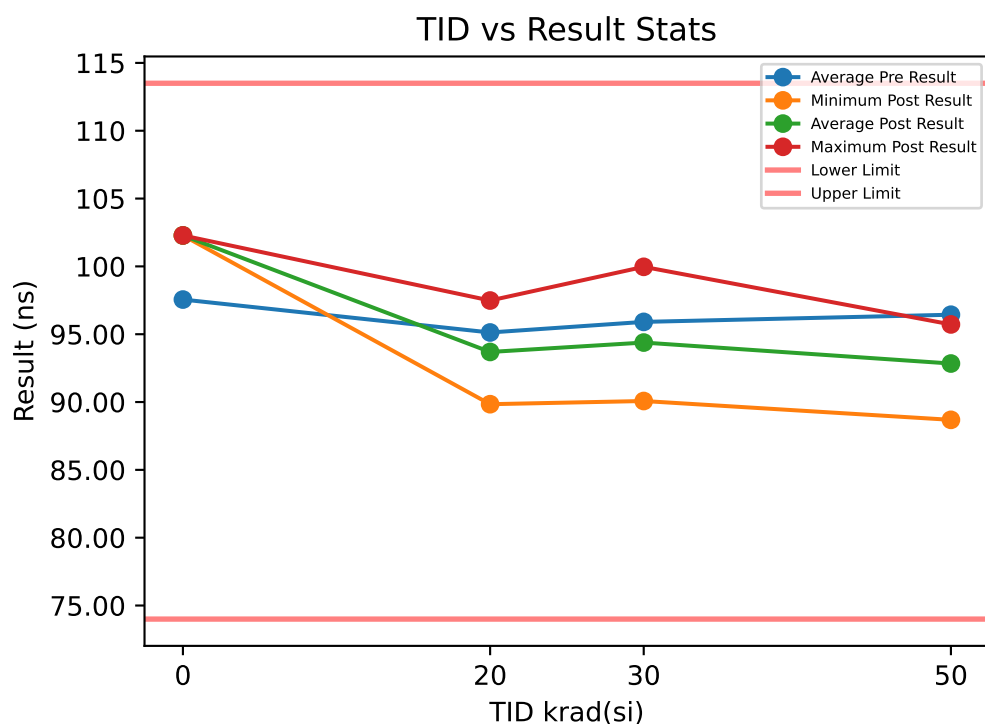
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	104.29	104.29	104.29		100.45	100.45	100.45		-3.8423	-3.8423	-3.8423	
20	98.238	101.31	103.92	2.1325	96.733	99.6	102.89	1.9551	-3.6146	-1.7147	-0.2567	1.0703
30	97.909	101.18	103.07	1.5163	96.496	98.327	99.872	1.0969	-4.2839	-2.8531	-1.413	0.89356
50	97.503	101.57	105.8	2.8937	93.776	97.851	102.08	2.6224	-5.0863	-3.721	-1.8799	1.0092

Device Test: 95.4 T_RLH_MAX(_DLH Dead Time Max 500kHz VIN_10V)



Test Results (Lower Limit = 74.0,
Upper Limit = 113.5 (ns))

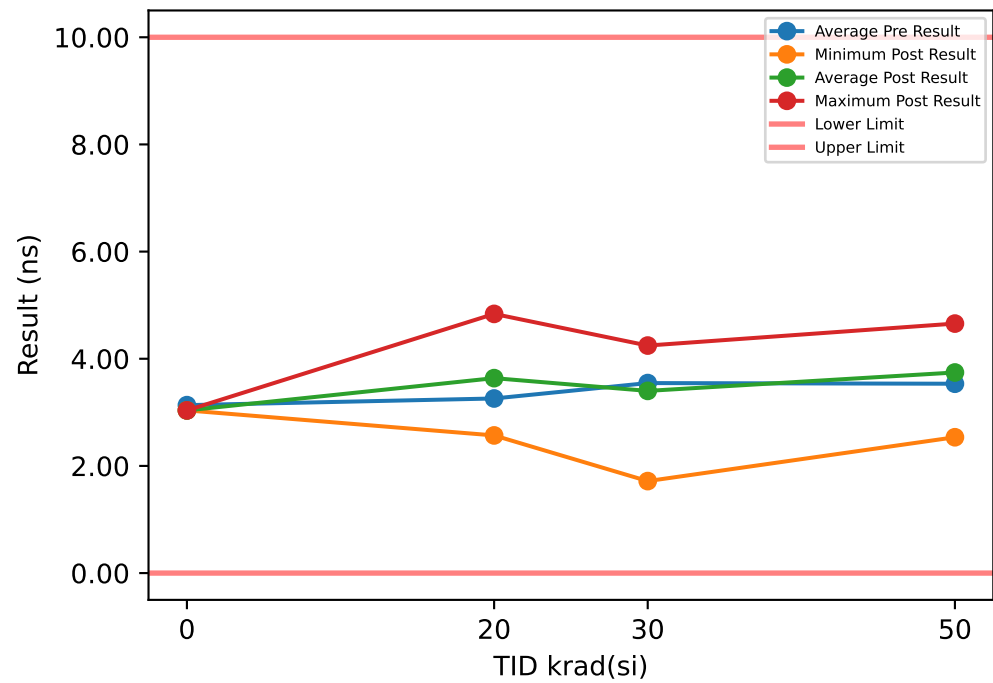
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	97.555	102.28	4.7266
121	20	HDR biased	94.503	94.049	-0.4542
122	20	HDR biased	92.404	89.841	-2.563
123	20	HDR biased	90.526	90.037	-0.4886
124	20	HDR biased	96.275	94.778	-1.4966
125	20	HDR biased	97.331	95.452	-1.8787
131	30	HDR biased	100.21	99.967	-0.2386
132	30	HDR biased	92.074	90.076	-1.9981
133	30	HDR biased	95.559	92.573	-2.9866
134	30	HDR biased	97.384	95.12	-2.2639
135	30	HDR biased	97.981	96.666	-1.3144
151	50	HDR biased	97.359	93.811	-3.5476
152	50	HDR biased	92.339	88.688	-3.6515
153	50	HDR biased	98.338	94.6	-3.7384
154	50	HDR biased	99.985	95.722	-4.2635
155	50	HDR biased	97.459	94.023	-3.436
321	20	HDR unbiased	93.681	93.07	-0.6105
322	20	HDR unbiased	96.653	94.202	-2.4506
323	20	HDR unbiased	98.948	97.484	-1.4636
324	20	HDR unbiased	96.3	94.639	-1.6608
325	20	HDR unbiased	94.661	93.364	-1.2972
331	30	HDR unbiased	95.137	91.993	-3.1441
332	30	HDR unbiased	93.614	98.947	5.3323
333	30	HDR unbiased	94.987	91.195	-3.7914
334	30	HDR unbiased	94.624	92.362	-2.2628
335	30	HDR unbiased	97.52	94.953	-2.5677
351	50	HDR unbiased	98.116	95.122	-2.9937
352	50	HDR unbiased	96.256	92.986	-3.2697
353	50	HDR unbiased	93.72	90.57	-3.1498
354	50	HDR unbiased	95.492	90.557	-4.9355
355	50	HDR unbiased	95.305	92.317	-2.9873

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.555	97.555	97.555		102.28	102.28	102.28		4.7266	4.7266	4.7266	
20	90.526	95.128	98.948	2.489	89.841	93.692	97.484	2.3244	-2.563	-1.4364	-0.4542	0.75371
30	92.074	95.909	100.21	2.374	90.076	94.385	99.967	3.3314	-3.7914	-1.5235	5.3323	2.6038
50	92.339	96.437	99.985	2.2924	88.688	92.84	95.722	2.2816	-4.9355	-3.5973	-2.9873	0.60827

Device Test: 95.5 T_RLH_MIN(_DLH Dead Time Min 1MHz VIN_10V)

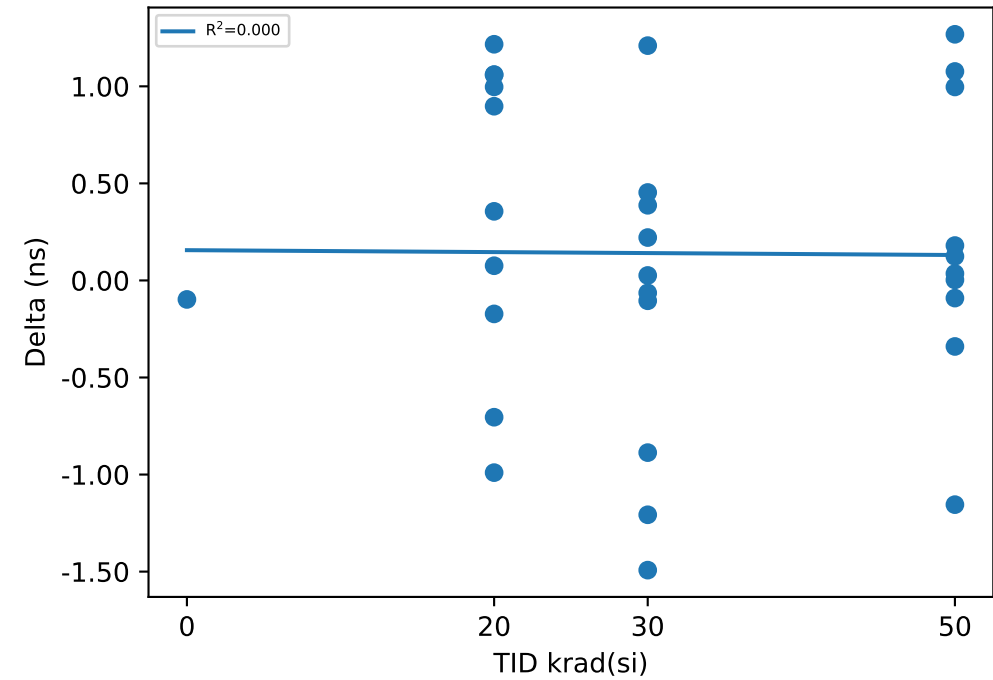
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.1342	3.0364	-0.0978
121	20	HDR biased	3.3807	4.4396	1.0589
122	20	HDR biased	4.2747	3.2846	-0.9901
123	20	HDR biased	3.7765	4.8371	1.0606
124	20	HDR biased	4.3146	4.1422	-0.1724
125	20	HDR biased	2.3485	2.7045	0.356
131	30	HDR biased	3.5692	3.505	-0.0642
132	30	HDR biased	3.1678	3.555	0.3872
133	30	HDR biased	3.2331	3.6863	0.4532
134	30	HDR biased	4.0253	4.2463	0.221
135	30	HDR biased	2.8905	4.1002	1.2097
151	50	HDR biased	4.6536	4.6564	0.0028
152	50	HDR biased	3.9572	3.6171	-0.3401
153	50	HDR biased	3.6363	3.6718	0.0355
154	50	HDR biased	2.841	3.0208	0.1798
155	50	HDR biased	4.3545	4.2636	-0.0909
321	20	HDR unbiased	3.2204	4.4371	1.2167
322	20	HDR unbiased	3.4269	2.7223	-0.7046
323	20	HDR unbiased	1.5719	2.5691	0.9972
324	20	HDR unbiased	3.5586	3.6344	0.0758
325	20	HDR unbiased	2.7129	3.6104	0.8975
331	30	HDR unbiased	4.264	3.0568	-1.2072
332	30	HDR unbiased	3.2092	1.7168	-1.4924
333	30	HDR unbiased	4.8746	3.9876	-0.887
334	30	HDR unbiased	2.6712	2.6969	0.0257
335	30	HDR unbiased	3.5564	3.4517	-0.1047
351	50	HDR unbiased	2.4868	3.4836	0.9968
352	50	HDR unbiased	3.8074	3.9316	0.1242
353	50	HDR unbiased	3.2777	4.5457	1.268
354	50	HDR unbiased	3.6901	2.5351	-1.155
355	50	HDR unbiased	2.6347	3.7113	1.0766

TID vs Post - Pre Exposure Delta

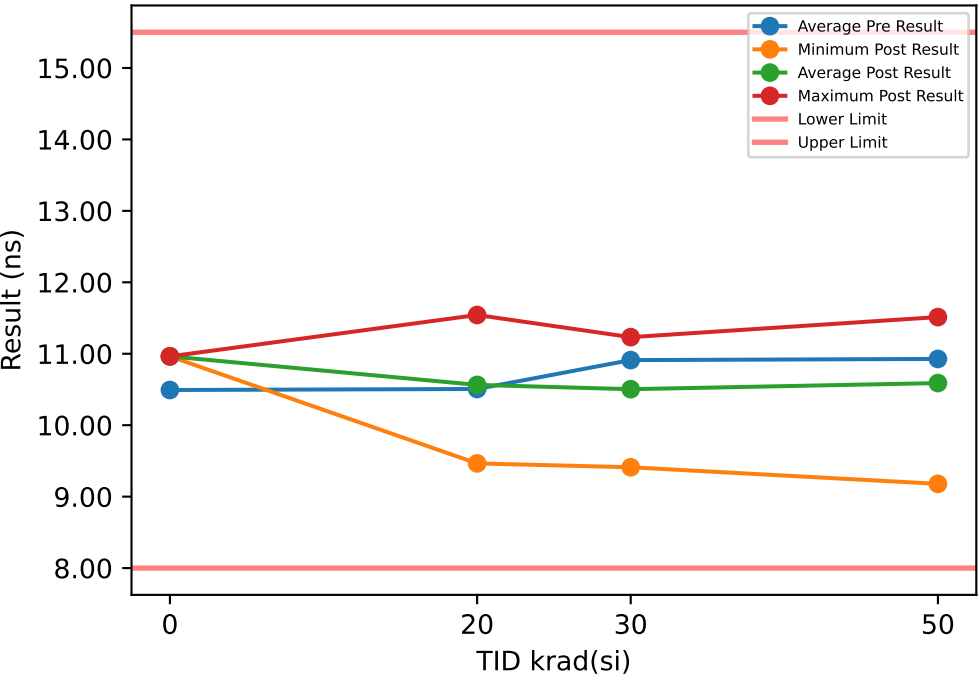


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1342	3.1342	3.1342		3.0364	3.0364	3.0364		-0.0978	-0.0978	-0.0978	
20	1.5719	3.2586	4.3146	0.85124	2.5691	3.6381	4.8371	0.81318	-0.9901	0.37956	1.2167	0.79755
30	2.6712	3.5461	4.8746	0.67168	1.7168	3.4003	4.2463	0.75401	-1.4924	-0.14587	1.2097	0.82609
50	2.4868	3.5339	4.6536	0.72009	2.5351	3.7437	4.6564	0.65447	-1.155	0.20977	1.268	0.73238

Device Test: 95.6 T_RLH_SMALL(_DLH Dead Time Small 1MHz VIN_10V)

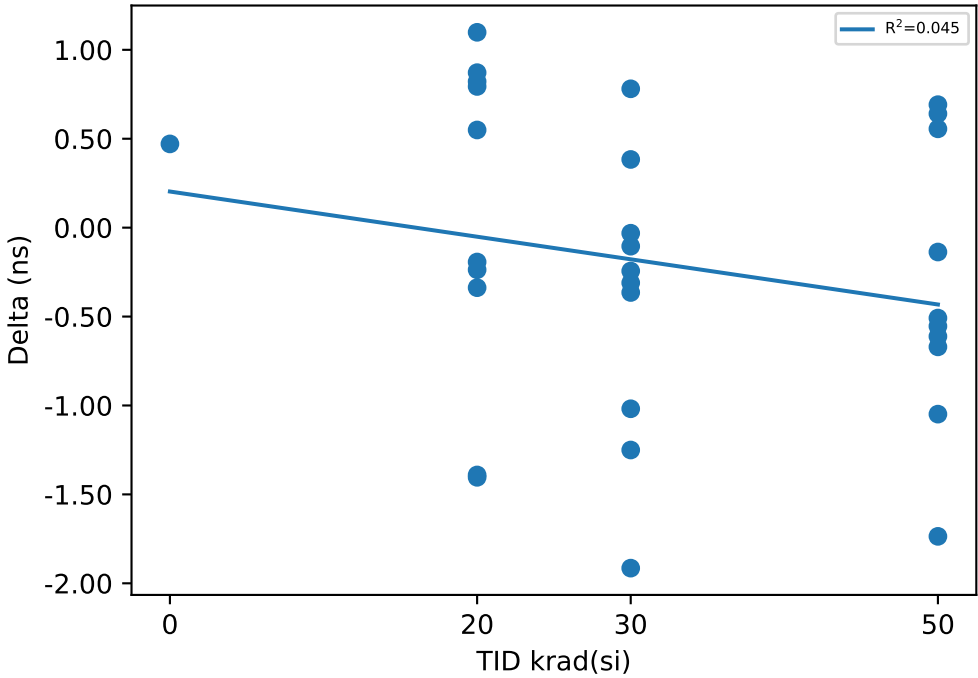
TID vs Result Stats



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.493	10.963	0.4709
121	20	HDR biased	10.748	11.542	0.794
122	20	HDR biased	10.94	9.5363	-1.404
123	20	HDR biased	10.643	11.514	0.8716
124	20	HDR biased	11.599	11.262	-0.3376
125	20	HDR biased	9.72	9.5268	-0.1932
131	30	HDR biased	11.239	10.929	-0.3102
132	30	HDR biased	10.101	10.485	0.3835
133	30	HDR biased	10.762	10.658	-0.1043
134	30	HDR biased	11.476	11.232	-0.2439
135	30	HDR biased	10.371	11.152	0.7808
151	50	HDR biased	12.068	11.513	-0.5543
152	50	HDR biased	11.067	10.018	-1.0487
153	50	HDR biased	11.166	10.658	-0.5084
154	50	HDR biased	10.551	10.414	-0.137
155	50	HDR biased	11.784	11.173	-0.6115
321	20	HDR unbiased	10.402	11.501	1.0985
322	20	HDR unbiased	10.856	9.4653	-1.3907
323	20	HDR unbiased	9.1826	10.005	0.822
324	20	HDR unbiased	10.996	10.759	-0.2366
325	20	HDR unbiased	9.9812	10.53	0.5493
331	30	HDR unbiased	11.556	10.306	-1.2504
332	30	HDR unbiased	10.43	9.4112	-1.0185
333	30	HDR unbiased	12.176	10.262	-1.9147
334	30	HDR unbiased	10.092	10.061	-0.0313
335	30	HDR unbiased	10.908	10.544	-0.3646
351	50	HDR unbiased	9.9434	10.635	0.6916
352	50	HDR unbiased	11.219	10.548	-0.6704
353	50	HDR unbiased	10.449	11.089	0.6408
354	50	HDR unbiased	10.915	9.179	-1.736
355	50	HDR unbiased	10.114	10.67	0.5557

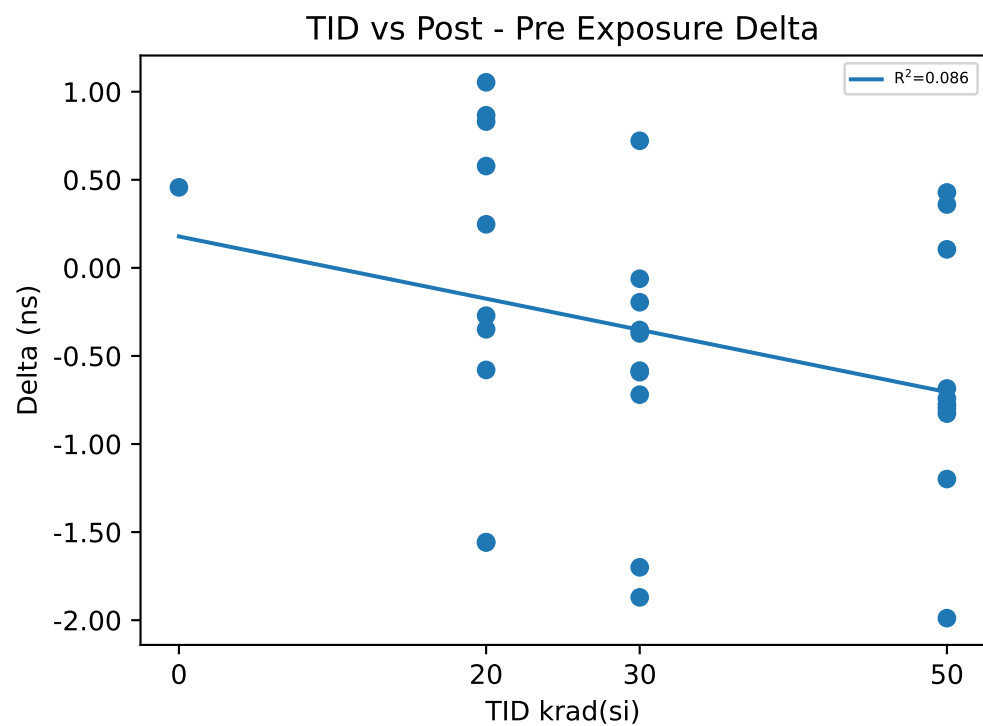
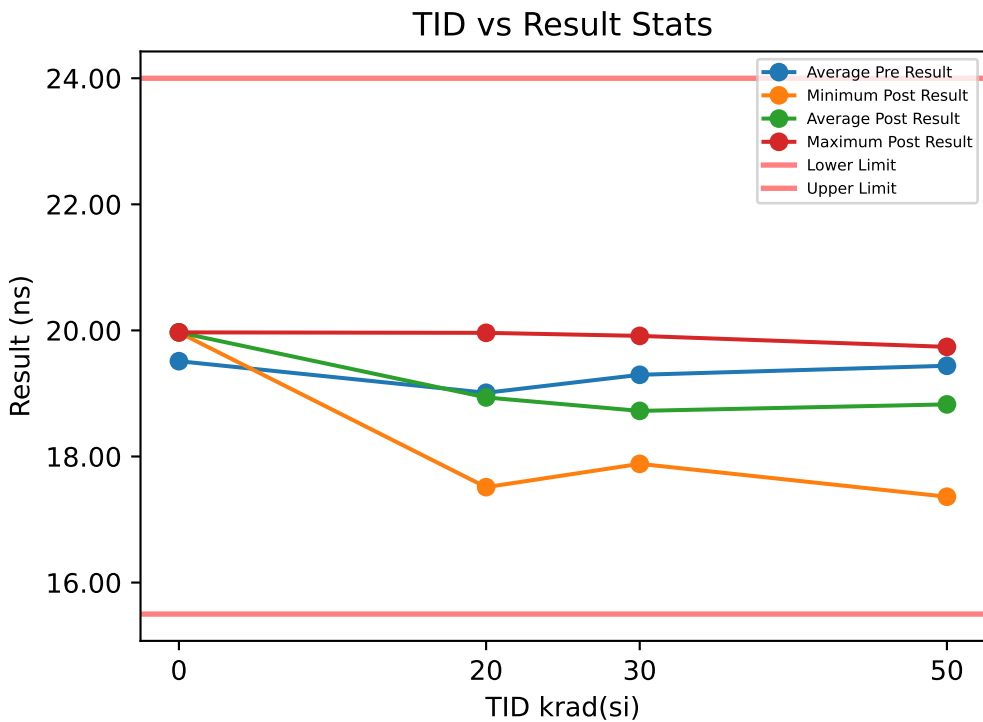
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.493	10.493	10.493		10.963	10.963	10.963		0.4709	0.4709	0.4709	
20	9.1826	10.507	11.599	0.70545	9.4653	10.564	11.542	0.87658	-1.404	0.05733	1.0985	0.92219
30	10.092	10.911	12.176	0.69254	9.4112	10.504	11.232	0.54215	-1.9147	-0.40736	0.7808	0.79336
50	9.9434	10.928	12.068	0.6829	9.179	10.59	11.513	0.65026	-1.736	-0.33782	0.6916	0.78725

Device Test: 95.7 T RLH MID(DLH Dead Time Mid 1MHz VIN 10V)



Test Results (Lower Limit = 15.5,
Upper Limit = 24.0 (ns))

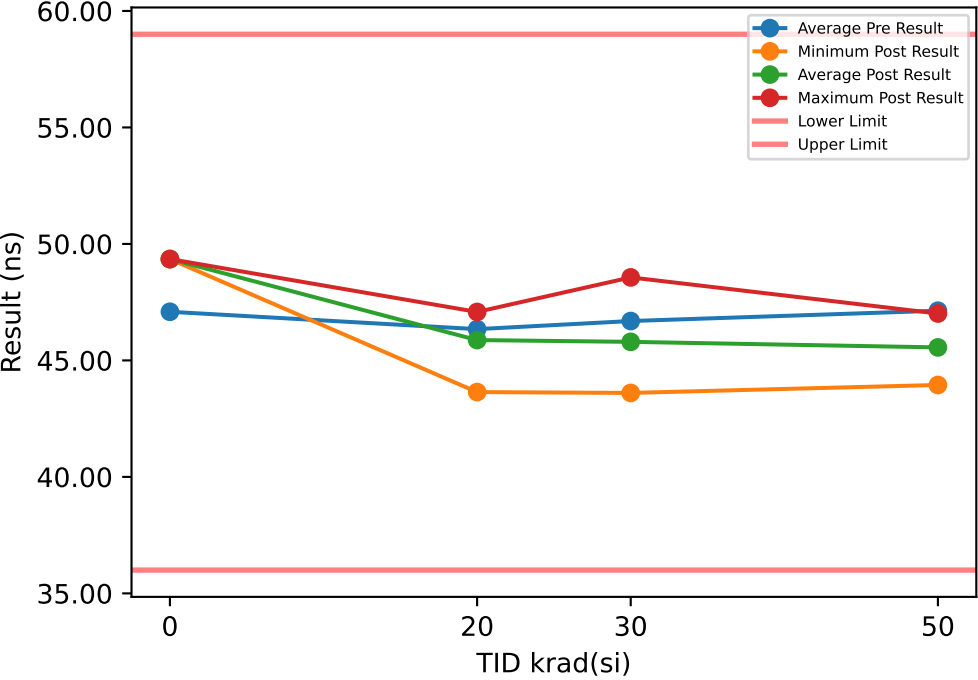
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.512	19.969	0.457
121	20	HDR biased	19.131	19.962	0.8304
122	20	HDR biased	19.07	17.513	-1.5568
123	20	HDR biased	18.608	19.474	0.866
124	20	HDR biased	20.222	19.642	-0.5793
125	20	HDR biased	18.488	18.217	-0.2713
131	30	HDR biased	19.975	19.913	-0.0617
132	30	HDR biased	18.336	17.983	-0.3527
133	30	HDR biased	19.096	18.512	-0.5836
134	30	HDR biased	19.981	19.609	-0.3722
135	30	HDR biased	18.896	19.617	0.7215
151	50	HDR biased	20.54	19.739	-0.8006
152	50	HDR biased	19.2	18.001	-1.1987
153	50	HDR biased	19.753	18.926	-0.8273
154	50	HDR biased	19.158	18.474	-0.6844
155	50	HDR biased	20.259	19.481	-0.7776
321	20	HDR unbiased	18.664	19.717	1.0533
322	20	HDR unbiased	19.553	17.994	-1.5589
323	20	HDR unbiased	18.289	18.867	0.578
324	20	HDR unbiased	19.614	19.266	-0.3487
325	20	HDR unbiased	18.467	18.714	0.2472
331	30	HDR unbiased	19.724	18.024	-1.6999
332	30	HDR unbiased	18.563	18.368	-0.1952
333	30	HDR unbiased	20.266	18.396	-1.8704
334	30	HDR unbiased	18.475	17.883	-0.5921
335	30	HDR unbiased	19.646	18.926	-0.7199
351	50	HDR unbiased	18.868	19.296	0.4281
352	50	HDR unbiased	19.64	18.899	-0.7416
353	50	HDR unbiased	18.769	19.128	0.3595
354	50	HDR unbiased	19.35	17.362	-1.9883
355	50	HDR unbiased	18.854	18.959	0.1051

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.512	19.512	19.512		19.969	19.969	19.969		0.457	0.457	0.457	
20	18.289	19.011	20.222	0.62489	17.513	18.937	19.962	0.81931	-1.5589	-0.07401	1.0533	0.95882
30	18.336	19.296	20.266	0.70791	17.883	18.723	19.913	0.74999	-1.8704	-0.57262	0.7215	0.75601
50	18.769	19.439	20.54	0.60397	17.362	18.827	19.739	0.71161	-1.9883	-0.61258	0.4281	0.73859

Device Test: 95.8 T_RLH_LARGE(_DLH Dead Time Large 1MHz VIN_10V)

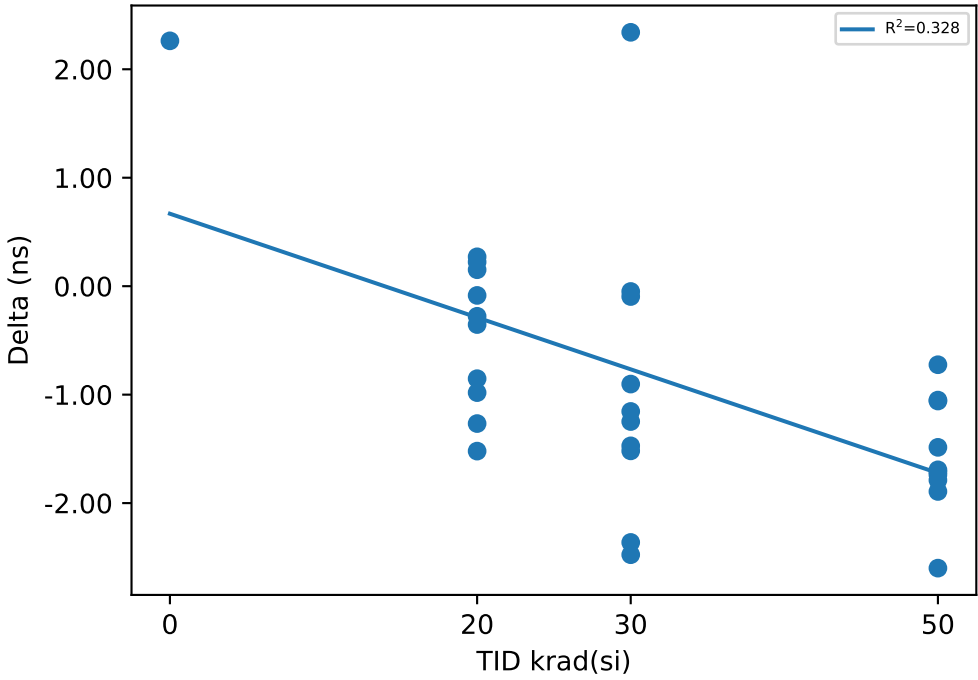
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	47.088	49.35	2.2621
121	20	HDR biased	46.356	46.579	0.2231
122	20	HDR biased	45.162	43.641	-1.5207
123	20	HDR biased	44.276	44.547	0.2708
124	20	HDR biased	47.663	46.681	-0.9813
125	20	HDR biased	46.763	46.409	-0.3537
131	30	HDR biased	48.659	48.563	-0.0953
132	30	HDR biased	44.507	43.605	-0.9025
133	30	HDR biased	46.492	45.337	-1.1549
134	30	HDR biased	47.741	46.493	-1.2479
135	30	HDR biased	47.048	46.999	-0.0488
151	50	HDR biased	48.241	46.349	-1.8926
152	50	HDR biased	45.432	43.946	-1.4859
153	50	HDR biased	47.853	46.115	-1.7382
154	50	HDR biased	47.991	46.202	-1.7886
155	50	HDR biased	47.905	46.193	-1.7123
321	20	HDR unbiased	46.097	46.248	0.1518
322	20	HDR unbiased	47.083	45.817	-1.2666
323	20	HDR unbiased	47.165	47.08	-0.0851
324	20	HDR unbiased	47.17	46.317	-0.8529
325	20	HDR unbiased	45.692	45.414	-0.2776
331	30	HDR unbiased	46.985	44.623	-2.3626
332	30	HDR unbiased	45.373	47.714	2.3407
333	30	HDR unbiased	46.881	44.406	-2.4757
334	30	HDR unbiased	45.832	44.36	-1.4721
335	30	HDR unbiased	47.388	45.869	-1.5184
351	50	HDR unbiased	48.072	47.013	-1.0588
352	50	HDR unbiased	47.53	45.837	-1.6932
353	50	HDR unbiased	45.364	44.64	-0.7242
354	50	HDR unbiased	46.675	44.076	-2.5996
355	50	HDR unbiased	46.266	45.216	-1.0503

TID vs Post - Pre Exposure Delta

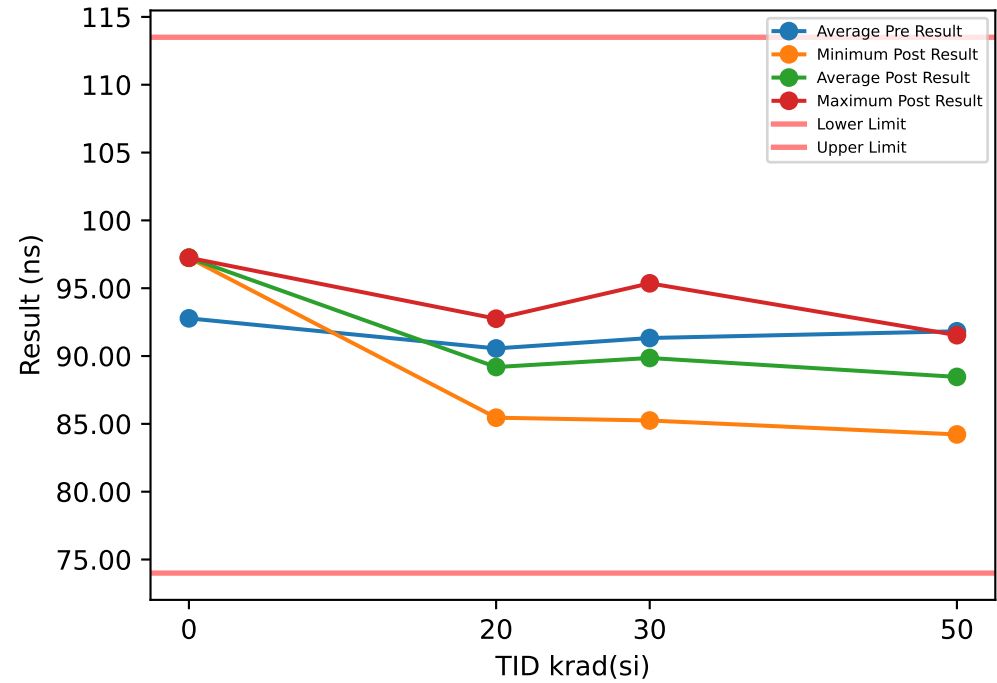


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.088	47.088	47.088		49.35	49.35	49.35		2.2621	2.2621	2.2621	
20	44.276	46.343	47.663	1.053	43.641	45.873	47.08	1.064	-1.5207	-0.46922	0.2708	0.64645
30	44.507	46.691	48.659	1.2016	43.605	45.797	48.563	1.6214	-2.4757	-0.89375	2.3407	1.3901
50	45.364	47.133	48.241	1.1108	43.946	45.559	47.013	1.0385	-2.5996	-1.5744	-0.7242	0.53013

Device Test: 95.9 T_RLH_MAX(_DLH Dead Time Max 1MHz VIN_10V)

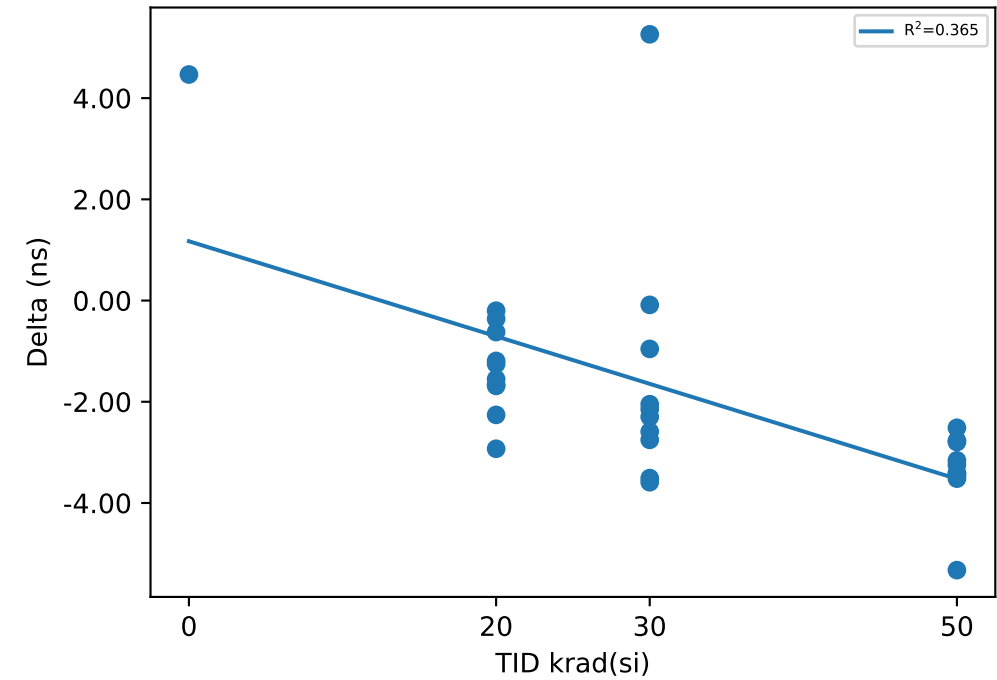
TID vs Result Stats



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	92.779	97.246	4.4668
121	20	HDR biased	89.88	89.68	-0.2001
122	20	HDR biased	88.384	85.455	-2.9285
123	20	HDR biased	86.232	85.609	-0.6232
124	20	HDR biased	91.852	90.3	-1.5519
125	20	HDR biased	92.582	90.896	-1.6865
131	30	HDR biased	95.447	95.362	-0.0853
132	30	HDR biased	87.395	85.249	-2.1468
133	30	HDR biased	90.949	88.197	-2.7523
134	30	HDR biased	92.939	90.641	-2.2976
135	30	HDR biased	93.03	92.075	-0.9549
151	50	HDR biased	92.983	89.578	-3.4046
152	50	HDR biased	87.74	84.221	-3.5187
153	50	HDR biased	93.629	90.2	-3.4293
154	50	HDR biased	94.997	91.537	-3.4607
155	50	HDR biased	92.839	89.681	-3.1575
321	20	HDR unbiased	88.943	88.582	-0.3609
322	20	HDR unbiased	91.883	89.624	-2.2592
323	20	HDR unbiased	93.946	92.753	-1.193
324	20	HDR unbiased	91.796	90.136	-1.6596
325	20	HDR unbiased	90.114	88.861	-1.2528
331	30	HDR unbiased	90.915	87.407	-3.5083
332	30	HDR unbiased	89.031	94.292	5.2612
333	30	HDR unbiased	90.639	87.049	-3.5899
334	30	HDR unbiased	89.946	87.897	-2.0486
335	30	HDR unbiased	92.997	90.407	-2.5899
351	50	HDR unbiased	93.53	90.763	-2.7673
352	50	HDR unbiased	91.971	88.724	-3.247
353	50	HDR unbiased	88.93	86.133	-2.7963
354	50	HDR unbiased	91.068	85.741	-5.3269
355	50	HDR unbiased	90.558	88.043	-2.5144

TID vs Post - Pre Exposure Delta

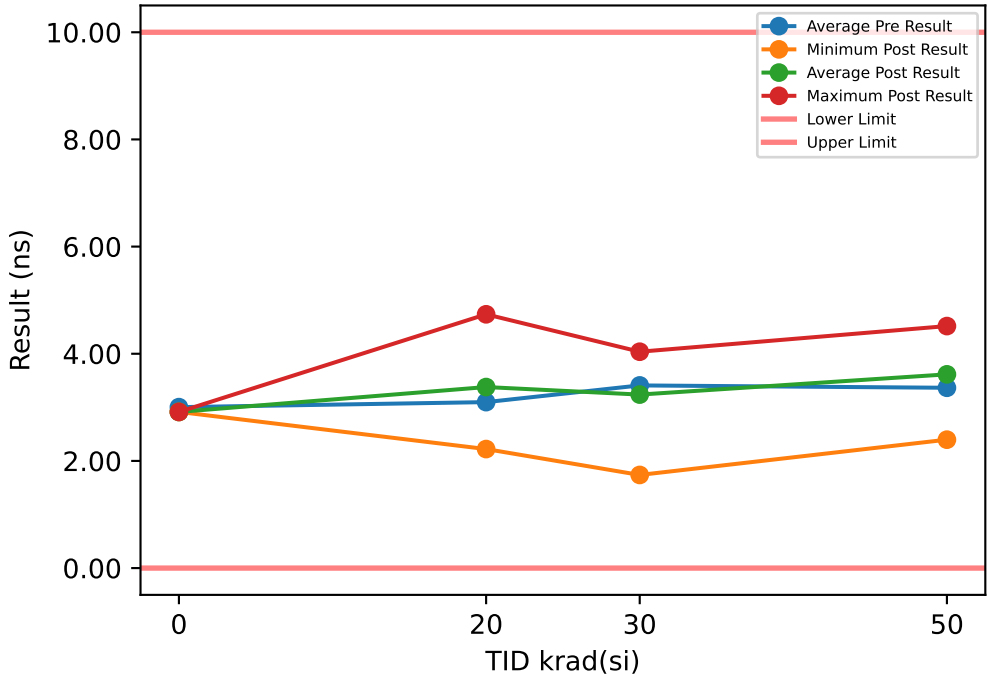


Test Statistics (ns)

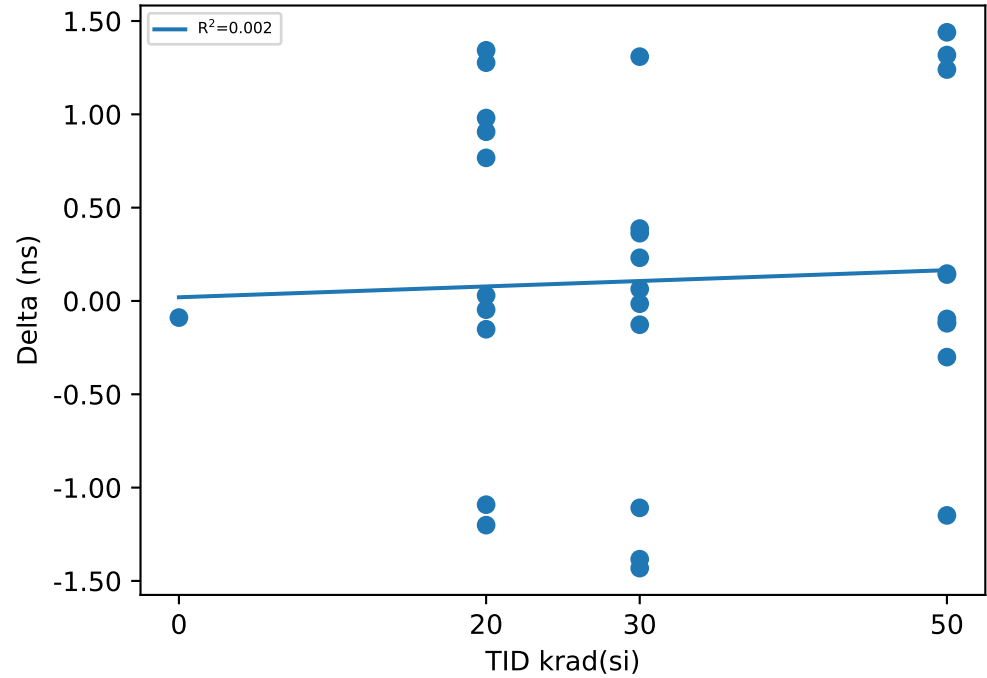
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	92.779	92.779	92.779		97.246	97.246	97.246		4.4668	4.4668	4.4668	
20	86.232	90.561	93.946	2.2912	85.455	89.19	92.753	2.2463	-2.9285	-1.3716	-0.2001	0.84501
30	87.395	91.329	95.447	2.3258	85.249	89.858	95.362	3.2919	-3.5899	-1.4712	5.2612	2.5931
50	87.74	91.824	94.997	2.2575	84.221	88.462	91.537	2.3934	-5.3269	-3.3623	-2.5144	0.7709

Device Test: 96.0 T_RLH_MIN(_DLH Dead Time Min 500kHz VIN_12V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

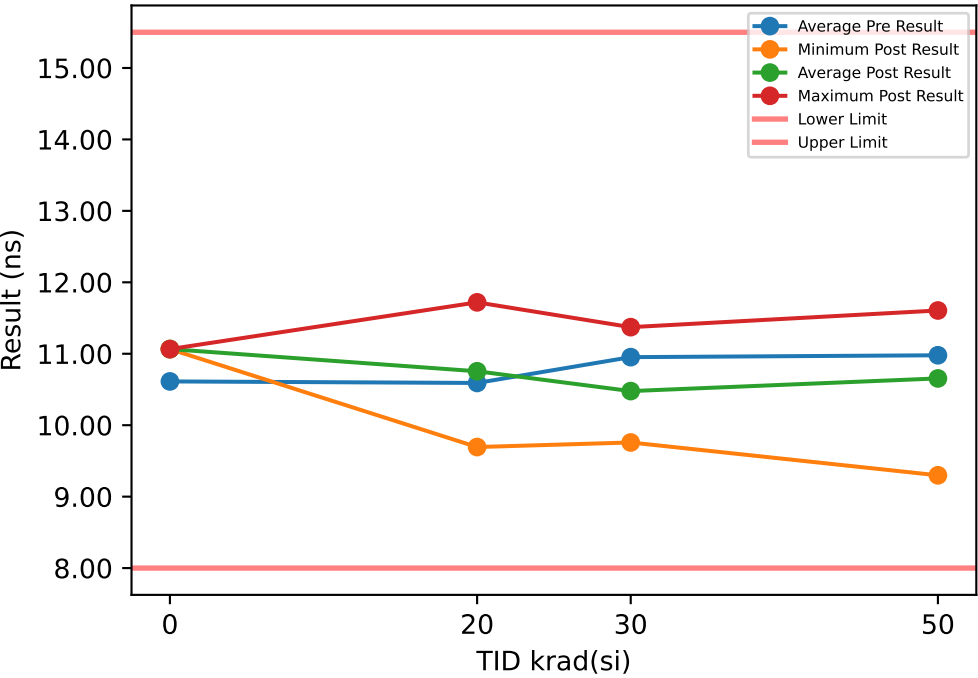
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.0036	2.9145	-0.0891
121	20	HDR biased	3.3458	4.2526	0.9068
122	20	HDR biased	3.8912	2.6901	-1.2011
123	20	HDR biased	3.4595	4.7363	1.2768
124	20	HDR biased	4.1696	4.0181	-0.1515
125	20	HDR biased	2.1919	2.2213	0.0294
131	30	HDR biased	3.407	3.2798	-0.1272
132	30	HDR biased	2.979	3.367	0.388
133	30	HDR biased	3.1636	3.5268	0.3632
134	30	HDR biased	3.7955	4.027	0.2315
135	30	HDR biased	2.7288	4.0379	1.3091
151	50	HDR biased	4.6362	4.5166	-0.1196
152	50	HDR biased	3.8195	3.5187	-0.3008
153	50	HDR biased	3.404	3.5454	0.1414
154	50	HDR biased	2.6361	2.7828	0.1467
155	50	HDR biased	4.2609	4.1451	-0.1158
321	20	HDR unbiased	3.015	4.3581	1.3431
322	20	HDR unbiased	3.3383	2.2468	-1.0915
323	20	HDR unbiased	1.4109	2.3911	0.9802
324	20	HDR unbiased	3.5267	3.48	-0.0467
325	20	HDR unbiased	2.6249	3.3917	0.7668
331	30	HDR unbiased	4.0352	2.9267	-1.1085
332	30	HDR unbiased	3.1697	1.7382	-1.4315
333	30	HDR unbiased	4.8719	3.4885	-1.3834
334	30	HDR unbiased	2.7061	2.7702	0.0641
335	30	HDR unbiased	3.2333	3.2187	-0.0146
351	50	HDR unbiased	2.06	3.3776	1.3176
352	50	HDR unbiased	3.7818	3.6857	-0.0961
353	50	HDR unbiased	3.0705	4.51	1.4395
354	50	HDR unbiased	3.5454	2.3965	-1.1489
355	50	HDR unbiased	2.4377	3.6777	1.24

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0036	3.0036	3.0036		2.9145	2.9145	2.9145		-0.0891	-0.0891	-0.0891	
20	1.4109	3.0974	4.1696	0.82389	2.2213	3.3786	4.7363	0.94608	-1.2011	0.28123	1.3431	0.92342
30	2.7061	3.409	4.8719	0.66429	1.7382	3.2381	4.0379	0.66603	-1.4315	-0.17093	1.3091	0.88002
50	2.06	3.3652	4.6362	0.81744	2.3965	3.6156	4.5166	0.67918	-1.1489	0.2504	1.4395	0.83051

Device Test: 96.1 T_RLH_SMALL(_DLHDead Time Small 500kHz VIN_12V)

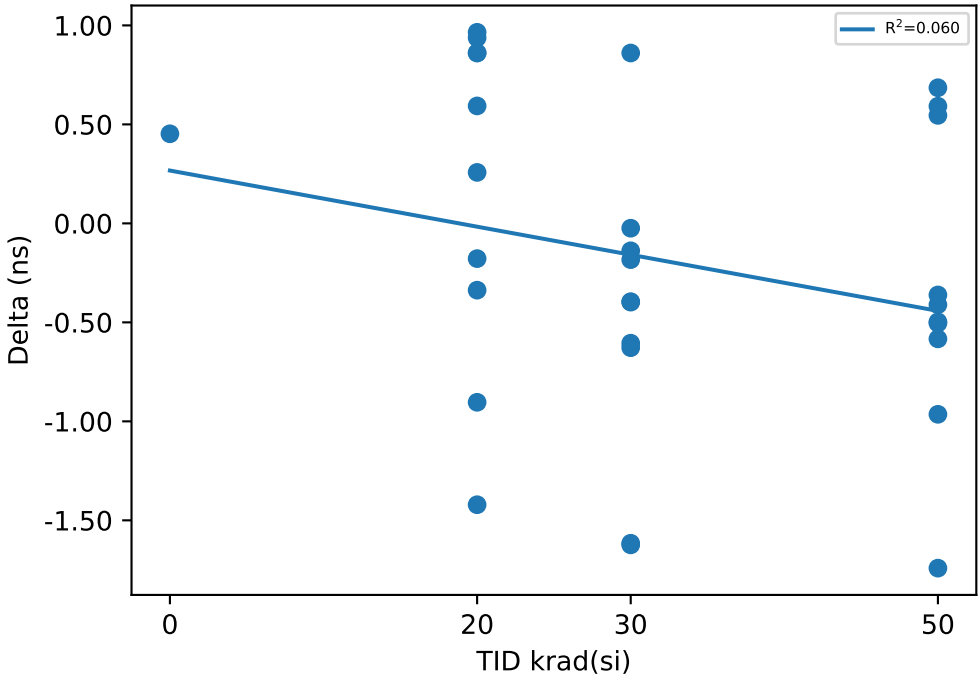
TID vs Result Stats



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.613	11.065	0.4525
121	20	HDR biased	10.782	11.72	0.9375
122	20	HDR biased	11.115	9.6942	-1.4211
123	20	HDR biased	10.754	11.615	0.8608
124	20	HDR biased	11.703	11.366	-0.3374
125	20	HDR biased	9.763	10.021	0.2575
131	30	HDR biased	11.256	11.117	-0.1385
132	30	HDR biased	10.223	10.199	-0.0244
133	30	HDR biased	10.673	10.277	-0.3957
134	30	HDR biased	11.555	11.372	-0.1831
135	30	HDR biased	10.415	11.275	0.8606
151	50	HDR biased	12.189	11.606	-0.5834
152	50	HDR biased	11.093	10.129	-0.9644
153	50	HDR biased	11.153	10.742	-0.4108
154	50	HDR biased	10.456	10.094	-0.3615
155	50	HDR biased	11.794	11.296	-0.4974
321	20	HDR unbiased	10.546	11.511	0.9651
322	20	HDR unbiased	10.922	10.018	-0.9037
323	20	HDR unbiased	9.294	10.155	0.8611
324	20	HDR unbiased	11.014	10.836	-0.178
325	20	HDR unbiased	10.02	10.613	0.5932
331	30	HDR unbiased	11.539	9.9149	-1.6239
332	30	HDR unbiased	10.515	9.9101	-0.6052
333	30	HDR unbiased	12.067	10.452	-1.6157
334	30	HDR unbiased	10.156	9.7582	-0.3977
335	30	HDR unbiased	11.127	10.499	-0.6279
351	50	HDR unbiased	10.097	10.689	0.5917
352	50	HDR unbiased	11.237	10.733	-0.5039
353	50	HDR unbiased	10.582	11.267	0.6851
354	50	HDR unbiased	11.04	9.2986	-1.7414
355	50	HDR unbiased	10.147	10.693	0.5455

TID vs Post - Pre Exposure Delta

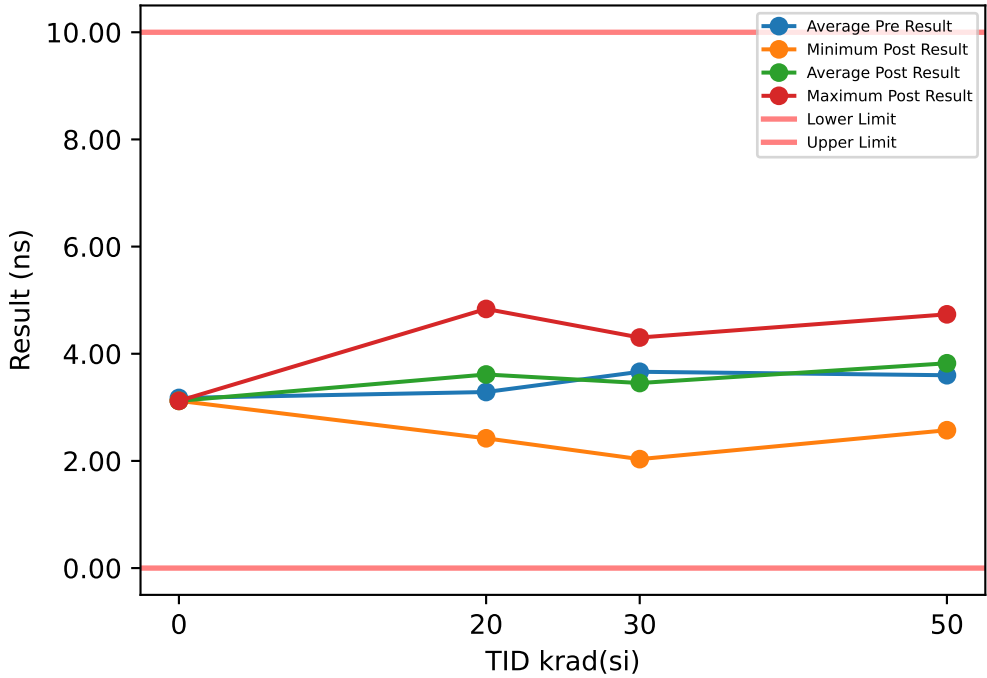


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.613	10.613	10.613		11.065	11.065	11.065		0.4525	0.4525	0.4525	
20	9.294	10.591	11.703	0.71181	9.6942	10.755	11.72	0.76076	-1.4211	0.1635	0.9651	0.84494
30	10.156	10.953	12.067	0.64957	9.7582	10.477	11.372	0.5889	-1.6239	-0.47515	0.8606	0.73478
50	10.097	10.979	12.189	0.67842	9.2986	10.655	11.606	0.67803	-1.7414	-0.32405	0.6851	0.75797

Device Test: 96.10 T_RLH_MIN(_DLH Dead Time Min 2MHz VIN_12V)

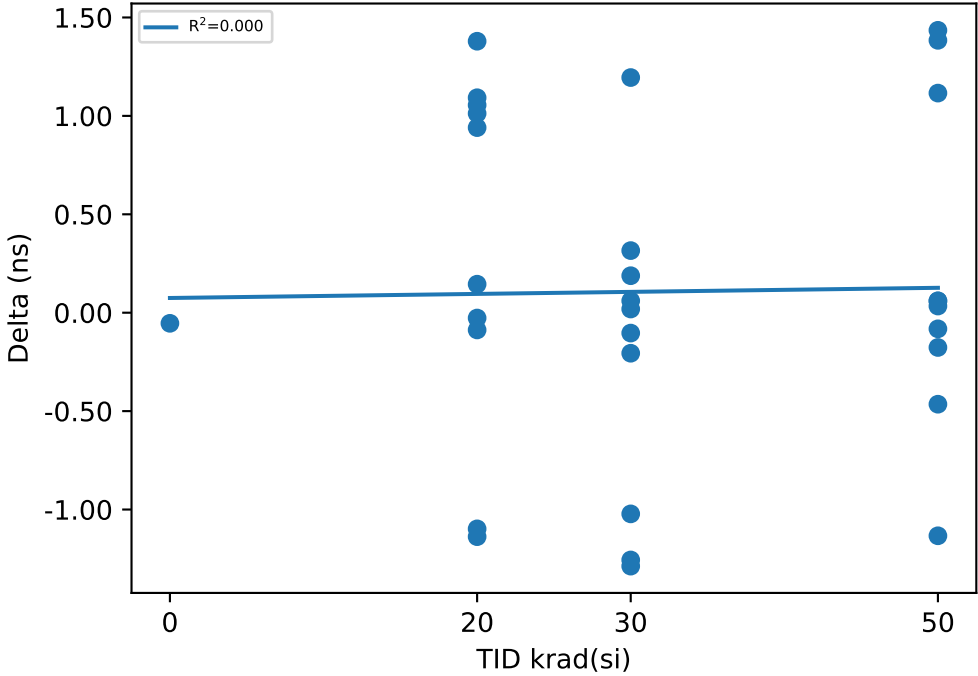
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.1749	3.121	-0.0539
121	20	HDR biased	3.4901	4.5823	1.0922
122	20	HDR biased	4.1185	2.9806	-1.1379
123	20	HDR biased	3.7814	4.8363	1.0549
124	20	HDR biased	4.3571	4.2696	-0.0875
125	20	HDR biased	2.2771	2.422	0.1449
131	30	HDR biased	3.7438	3.5379	-0.2059
132	30	HDR biased	3.1525	3.4681	0.3156
133	30	HDR biased	3.4896	3.3861	-0.1035
134	30	HDR biased	4.1148	4.3028	0.188
135	30	HDR biased	3.0667	4.2615	1.1948
151	50	HDR biased	4.7259	4.5493	-0.1766
152	50	HDR biased	4.1294	3.6645	-0.4649
153	50	HDR biased	3.5894	3.6492	0.0598
154	50	HDR biased	3.0387	3.0726	0.0339
155	50	HDR biased	4.4341	4.3522	-0.0819
321	20	HDR unbiased	3.2218	4.6011	1.3793
322	20	HDR unbiased	3.6212	2.523	-1.0982
323	20	HDR unbiased	1.6314	2.6438	1.0124
324	20	HDR unbiased	3.6172	3.5902	-0.027
325	20	HDR unbiased	2.7426	3.683	0.9404
331	30	HDR unbiased	4.4133	3.3912	-1.0221
332	30	HDR unbiased	3.3209	2.0333	-1.2876
333	30	HDR unbiased	5.0162	3.76	-1.2562
334	30	HDR unbiased	2.8204	2.881	0.0606
335	30	HDR unbiased	3.4975	3.5163	0.0188
351	50	HDR unbiased	2.3791	3.763	1.3839
352	50	HDR unbiased	3.8904	3.9505	0.0601
353	50	HDR unbiased	3.301	4.7358	1.4348
354	50	HDR unbiased	3.7064	2.573	-1.1334
355	50	HDR unbiased	2.7973	3.9131	1.1158

TID vs Post - Pre Exposure Delta

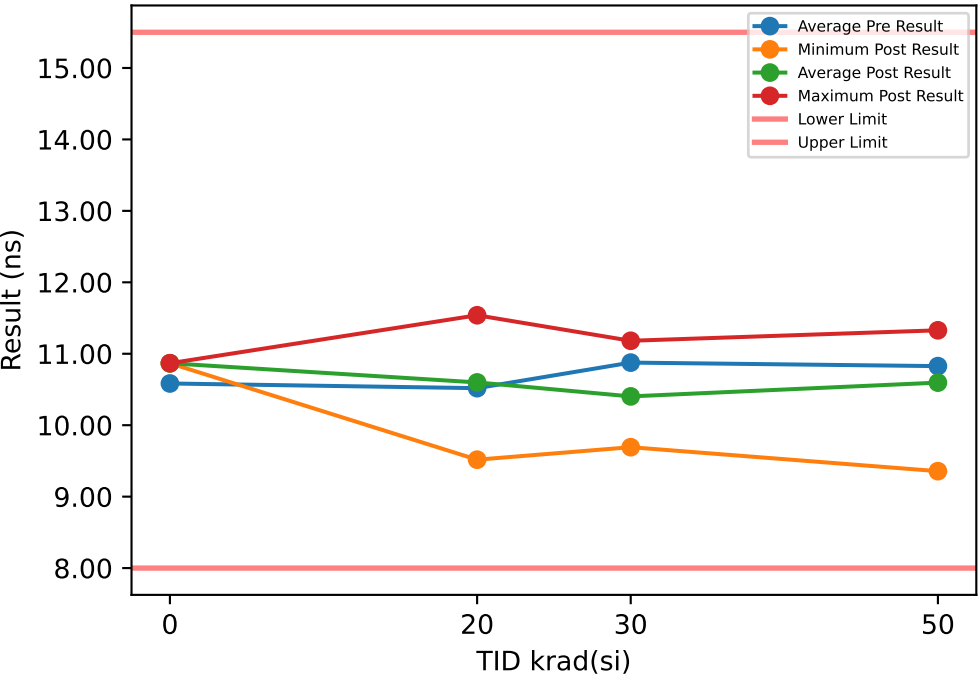


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1749	3.1749	3.1749		3.121	3.121	3.121		-0.0539	-0.0539	-0.0539	
20	1.6314	3.2858	4.3571	0.84357	2.422	3.6132	4.8363	0.93064	-1.1379	0.32735	1.3793	0.91749
30	2.8204	3.6636	5.0162	0.67539	2.0333	3.4538	4.3028	0.65256	-1.2876	-0.20975	1.1948	0.77891
50	2.3791	3.5992	4.7259	0.73627	2.573	3.8223	4.7358	0.65402	-1.1334	0.22315	1.4348	0.83452

Device Test: 96.11 T_RLH_SMALL(_DLH Dead Time Small 2MHz VIN_12V)

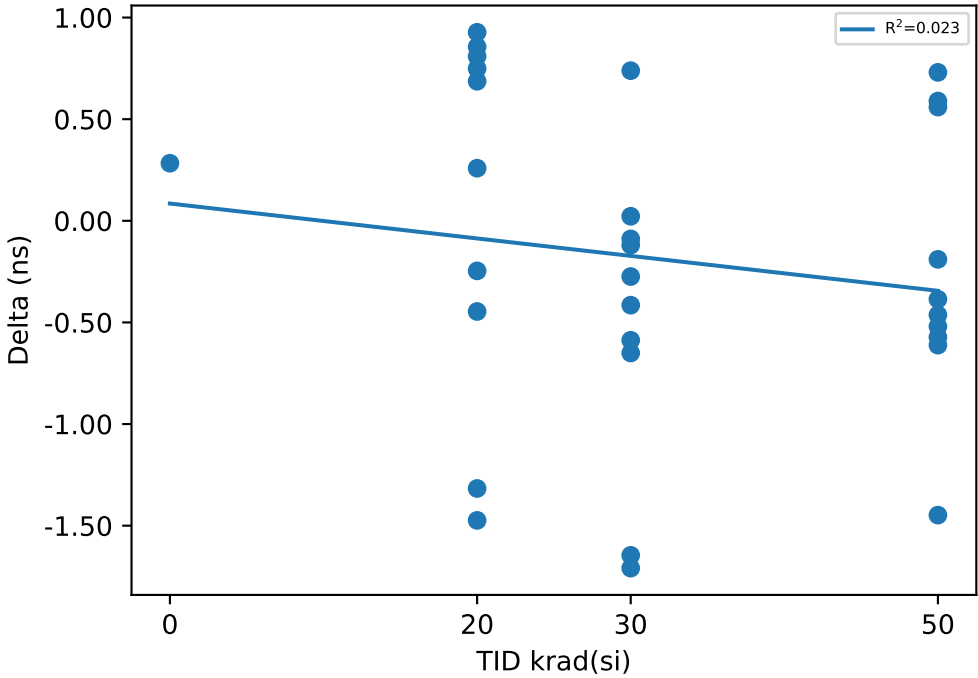
TID vs Result Stats



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.584	10.867	0.2832
121	20	HDR biased	10.79	11.539	0.7489
122	20	HDR biased	11.027	9.5526	-1.4739
123	20	HDR biased	10.676	11.485	0.8093
124	20	HDR biased	11.621	11.175	-0.4462
125	20	HDR biased	9.6926	9.9514	0.2588
131	30	HDR biased	11.064	10.944	-0.1196
132	30	HDR biased	10.131	10.042	-0.0891
133	30	HDR biased	10.634	10.657	0.0222
134	30	HDR biased	11.456	11.182	-0.2742
135	30	HDR biased	10.313	11.052	0.7387
151	50	HDR biased	11.9	11.328	-0.5722
152	50	HDR biased	11.132	10.52	-0.6118
153	50	HDR biased	11	10.537	-0.4629
154	50	HDR biased	10.217	10.027	-0.1897
155	50	HDR biased	11.721	11.202	-0.5195
321	20	HDR unbiased	10.496	11.352	0.8562
322	20	HDR unbiased	10.834	9.5174	-1.317
323	20	HDR unbiased	9.1554	10.083	0.9274
324	20	HDR unbiased	10.94	10.693	-0.2464
325	20	HDR unbiased	9.9531	10.64	0.6866
331	30	HDR unbiased	11.452	9.7431	-1.7089
332	30	HDR unbiased	10.451	9.801	-0.6504
333	30	HDR unbiased	11.977	10.332	-1.6458
334	30	HDR unbiased	10.107	9.6921	-0.4151
335	30	HDR unbiased	11.176	10.588	-0.5878
351	50	HDR unbiased	10.029	10.588	0.5595
352	50	HDR unbiased	10.964	10.579	-0.3857
353	50	HDR unbiased	10.423	11.153	0.7303
354	50	HDR unbiased	10.805	9.3566	-1.448
355	50	HDR unbiased	10.078	10.667	0.5892

TID vs Post - Pre Exposure Delta

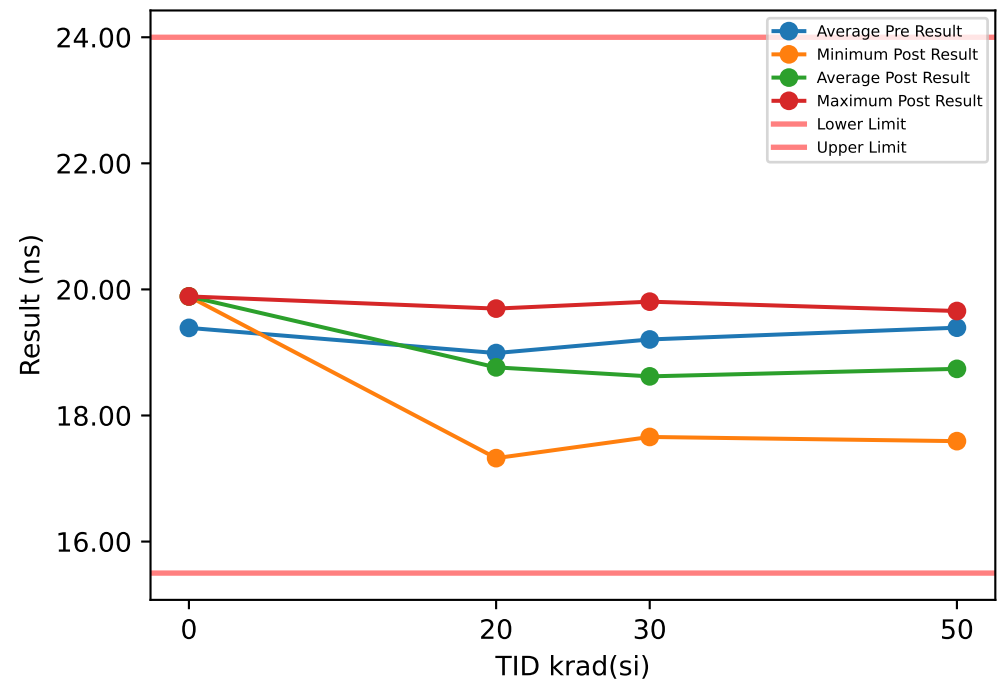


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.584	10.584	10.584		10.867	10.867	10.867		0.2832	0.2832	0.2832	
20	9.1554	10.518	11.621	0.7234	9.5174	10.599	11.539	0.78378	-1.4739	0.08037	0.9274	0.90979
30	10.107	10.876	11.977	0.64189	9.6921	10.403	11.182	0.56344	-1.7089	-0.473	0.7387	0.74358
50	10.029	10.827	11.9	0.65213	9.3566	10.596	11.328	0.58571	-1.448	-0.23108	0.7303	0.67716

Device Test: 96.12 T_RLH_MID(_DLH Dead Time Mid 2MHz VIN_12V)

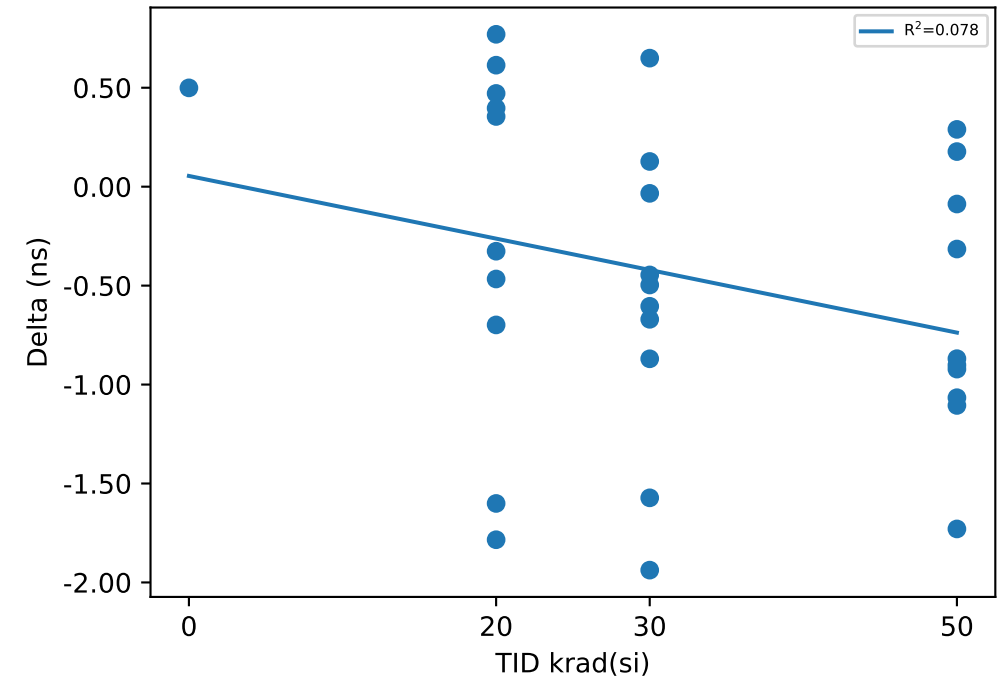
TID vs Result Stats



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.39	19.889	0.4993
121	20	HDR biased	19.299	19.696	0.3967
122	20	HDR biased	18.924	17.323	-1.6008
123	20	HDR biased	18.481	19.251	0.77
124	20	HDR biased	20.249	19.551	-0.6986
125	20	HDR biased	18.545	18.079	-0.4665
131	30	HDR biased	19.839	19.806	-0.0337
132	30	HDR biased	18.043	18.17	0.1274
133	30	HDR biased	18.905	18.301	-0.6045
134	30	HDR biased	19.852	19.355	-0.4968
135	30	HDR biased	18.843	19.493	0.6496
151	50	HDR biased	20.559	19.657	-0.9018
152	50	HDR biased	18.947	17.841	-1.1055
153	50	HDR biased	19.693	18.824	-0.8692
154	50	HDR biased	19.08	18.765	-0.3151
155	50	HDR biased	20.293	19.227	-1.0664
321	20	HDR unbiased	18.916	19.53	0.614
322	20	HDR unbiased	19.528	17.744	-1.7841
323	20	HDR unbiased	18.319	18.674	0.3548
324	20	HDR unbiased	19.492	19.166	-0.3261
325	20	HDR unbiased	18.151	18.622	0.4712
331	30	HDR unbiased	19.841	17.903	-1.9378
332	30	HDR unbiased	18.596	18.15	-0.446
333	30	HDR unbiased	20.158	18.585	-1.5724
334	30	HDR unbiased	18.33	17.66	-0.6702
335	30	HDR unbiased	19.654	18.784	-0.8698
351	50	HDR unbiased	18.939	19.117	0.1774
352	50	HDR unbiased	19.597	18.675	-0.9219
353	50	HDR unbiased	18.613	18.902	0.2895
354	50	HDR unbiased	19.323	17.593	-1.7296
355	50	HDR unbiased	18.883	18.796	-0.0876

TID vs Post - Pre Exposure Delta

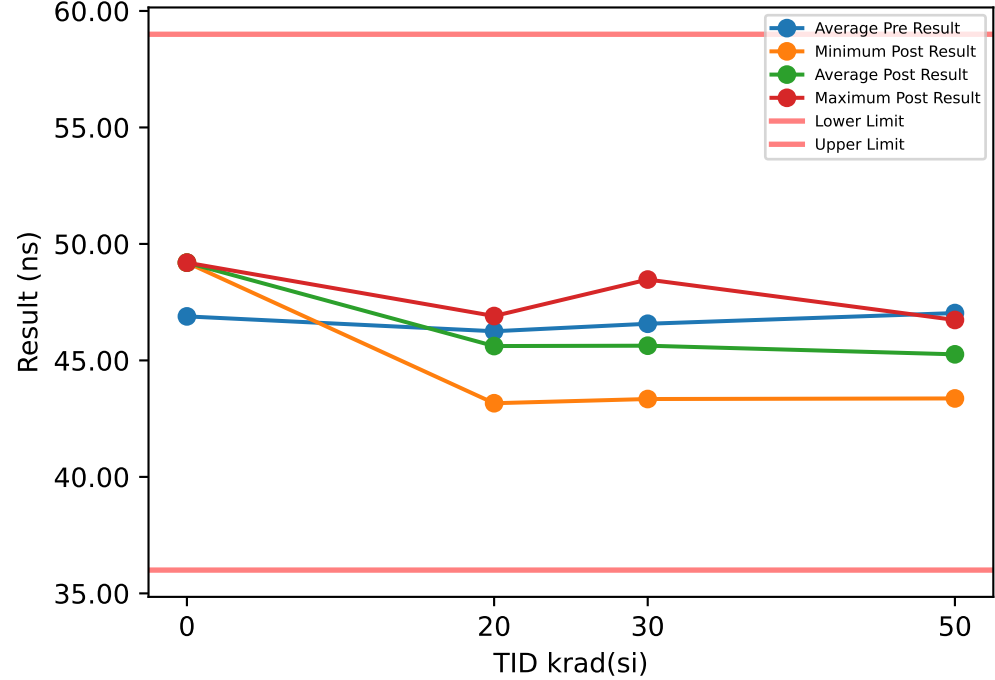


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.39	19.39	19.39		19.889	19.889	19.889		0.4993	0.4993	0.4993	
20	18.151	18.99	20.249	0.65357	17.323	18.763	19.696	0.82242	-1.7841	-0.22694	0.77	0.91395
30	18.043	19.206	20.158	0.74855	17.66	18.621	19.806	0.7224	-1.9378	-0.58542	0.6496	0.76424
50	18.613	19.393	20.559	0.63935	17.593	18.74	19.657	0.61331	-1.7296	-0.65302	0.2895	0.64355

Device Test: 96.13 T_RLH_LARGE(_DLH Dead Time Large 2MHz VIN_12V)

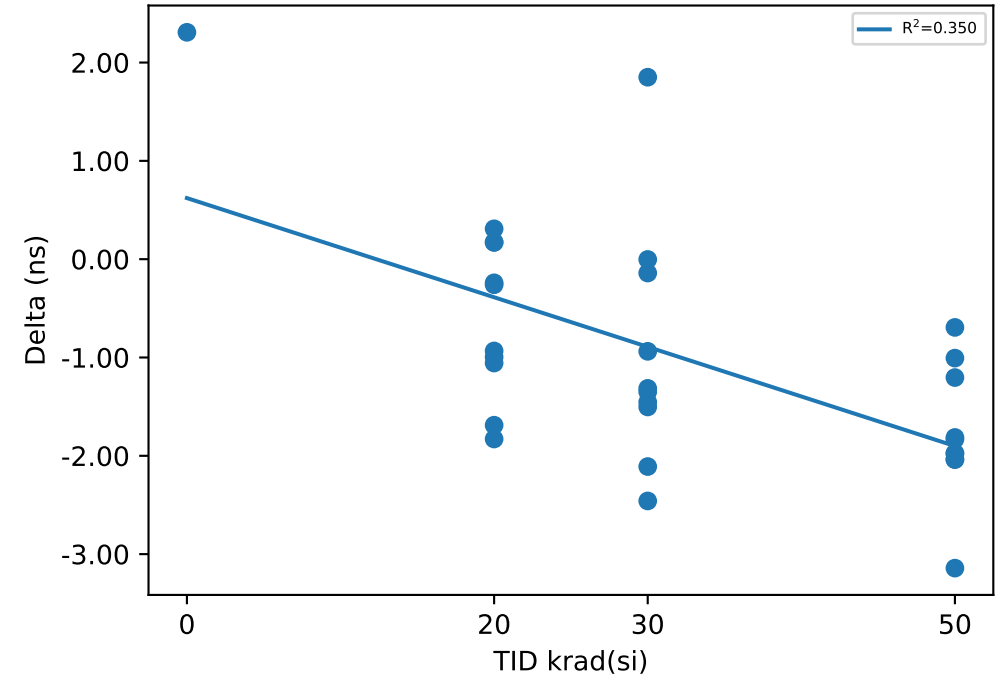
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	46.889	49.197	2.3075
121	20	HDR biased	46.318	46.491	0.1733
122	20	HDR biased	44.991	43.162	-1.829
123	20	HDR biased	44.115	44.424	0.3087
124	20	HDR biased	47.558	46.502	-1.0563
125	20	HDR biased	46.767	45.771	-0.9955
131	30	HDR biased	48.474	48.471	-0.0029
132	30	HDR biased	44.28	43.343	-0.9373
133	30	HDR biased	46.389	45.075	-1.3142
134	30	HDR biased	47.803	46.35	-1.4528
135	30	HDR biased	46.999	46.858	-0.1409
151	50	HDR biased	48.21	46.172	-2.0384
152	50	HDR biased	45.342	43.368	-1.9739
153	50	HDR biased	47.785	45.953	-1.8319
154	50	HDR biased	47.894	45.857	-2.0364
155	50	HDR biased	47.833	45.857	-1.9762
321	20	HDR unbiased	45.919	46.089	0.1701
322	20	HDR unbiased	46.982	45.294	-1.6887
323	20	HDR unbiased	47.165	46.905	-0.26
324	20	HDR unbiased	47.157	46.223	-0.9334
325	20	HDR unbiased	45.547	45.306	-0.2405
331	30	HDR unbiased	46.88	44.771	-2.1093
332	30	HDR unbiased	45.381	47.232	1.8507
333	30	HDR unbiased	46.716	44.257	-2.4592
334	30	HDR unbiased	45.608	44.258	-1.3492
335	30	HDR unbiased	47.203	45.7	-1.5031
351	50	HDR unbiased	47.743	46.736	-1.0064
352	50	HDR unbiased	47.505	45.692	-1.8134
353	50	HDR unbiased	45.187	44.493	-0.694
354	50	HDR unbiased	46.588	43.445	-3.1425
355	50	HDR unbiased	46.244	45.04	-1.204

TID vs Post - Pre Exposure Delta

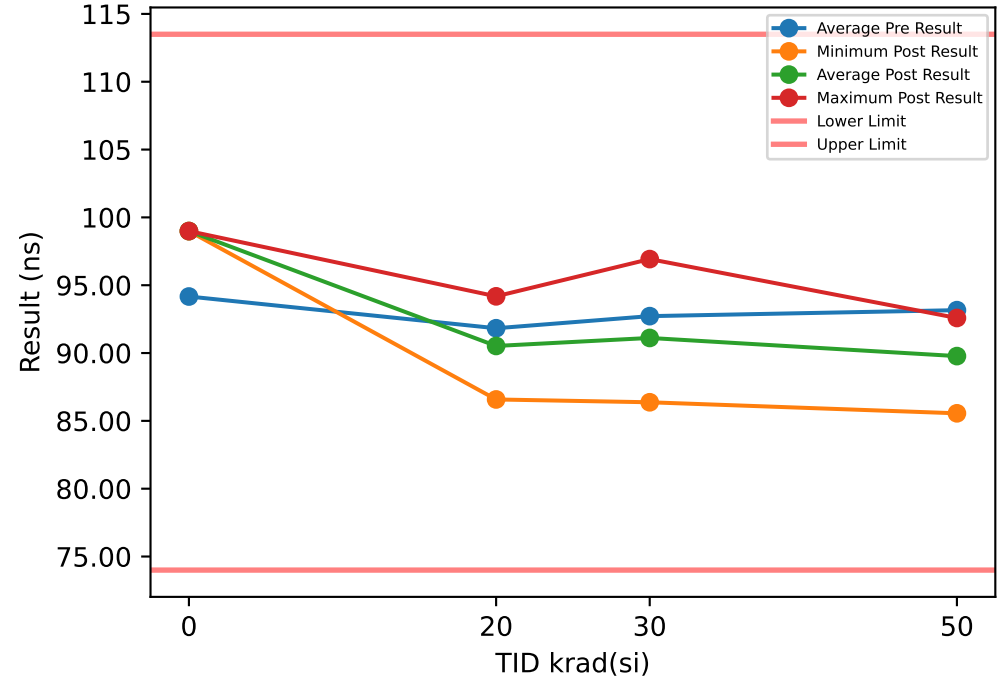


Test Statistics (ns)

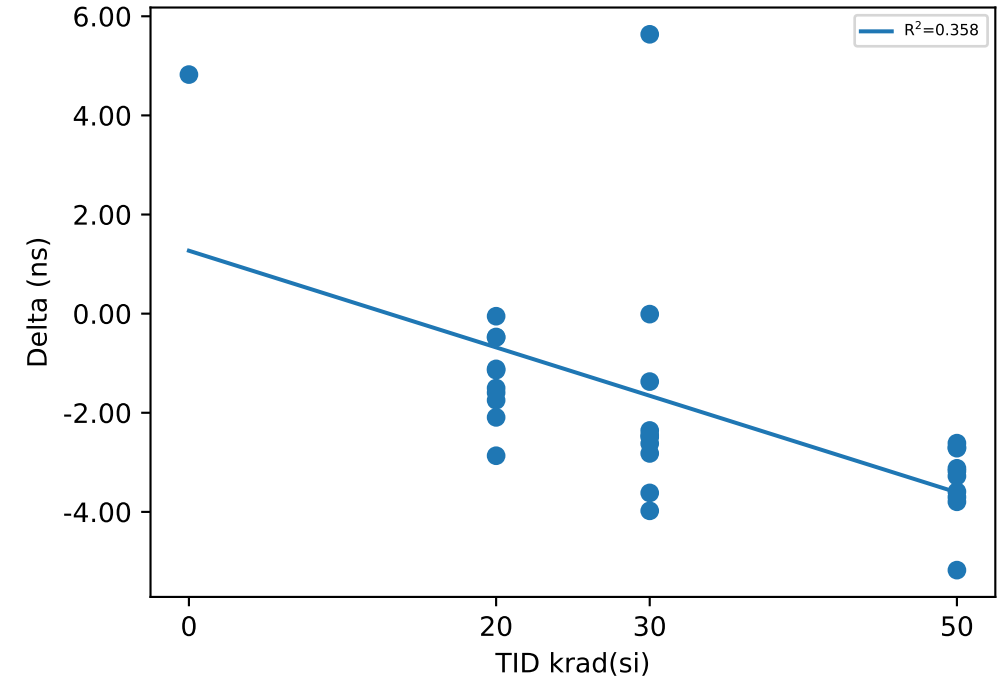
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.889	46.889	46.889		49.197	49.197	49.197		2.3075	2.3075	2.3075	
20	44.115	46.252	47.558	1.1018	43.162	45.617	46.905	1.129	-1.829	-0.63513	0.3087	0.77609
30	44.28	46.573	48.474	1.2231	43.343	45.632	48.471	1.5886	-2.4592	-0.94182	1.8507	1.2413
50	45.187	47.033	48.21	1.113	43.368	45.261	46.736	1.15	-3.1425	-1.7717	-0.694	0.68132

Device Test: 96.14 T_RLH_MAX(_DLH Dead Time Max 2MHz VIN_12V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

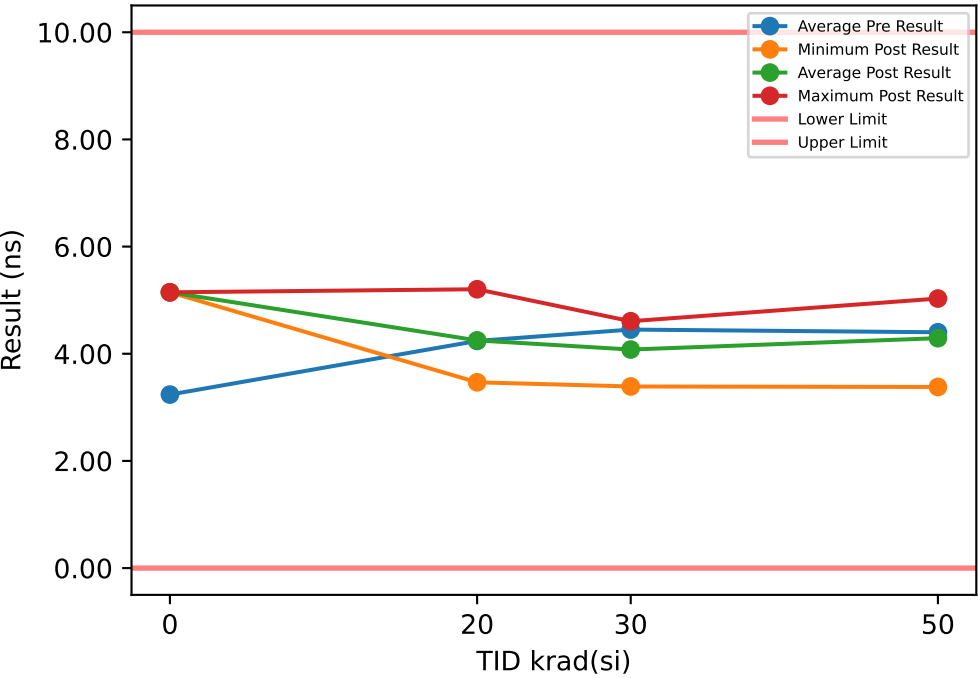
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	94.167	98.991	4.8237
121	20	HDR biased	91.055	91.003	-0.0519
122	20	HDR biased	89.445	86.579	-2.8668
123	20	HDR biased	87.33	86.859	-0.4709
124	20	HDR biased	93.162	91.568	-1.5939
125	20	HDR biased	93.761	92.259	-1.5022
131	30	HDR biased	96.936	96.926	-0.0097
132	30	HDR biased	88.728	86.371	-2.3568
133	30	HDR biased	92.296	89.475	-2.8205
134	30	HDR biased	94.404	91.915	-2.4891
135	30	HDR biased	94.712	93.341	-1.3708
151	50	HDR biased	94.435	90.843	-3.5915
152	50	HDR biased	88.733	85.557	-3.1762
153	50	HDR biased	95.14	91.438	-3.7021
154	50	HDR biased	96.381	92.585	-3.7963
155	50	HDR biased	94.204	90.926	-3.278
321	20	HDR unbiased	90.318	89.838	-0.4796
322	20	HDR unbiased	93.336	91.243	-2.093
323	20	HDR unbiased	95.295	94.18	-1.1144
324	20	HDR unbiased	93.244	91.497	-1.7471
325	20	HDR unbiased	91.338	90.197	-1.1409
331	30	HDR unbiased	92.283	88.666	-3.617
332	30	HDR unbiased	90.232	95.868	5.6361
333	30	HDR unbiased	91.989	88.011	-3.9784
334	30	HDR unbiased	91.232	88.782	-2.4504
335	30	HDR unbiased	94.389	91.768	-2.6211
351	50	HDR unbiased	94.901	92.187	-2.7148
352	50	HDR unbiased	93.281	90.16	-3.1205
353	50	HDR unbiased	90.27	87.571	-2.6988
354	50	HDR unbiased	92.355	87.18	-5.1751
355	50	HDR unbiased	91.912	89.299	-2.613

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.167	94.167	94.167		98.991	98.991	98.991		4.8237	4.8237	4.8237	
20	87.33	91.828	95.295	2.3767	86.579	90.522	94.18	2.327	-2.8668	-1.3061	-0.0519	0.84251
30	88.728	92.72	96.936	2.4178	86.371	91.112	96.926	3.4746	-3.9784	-1.6078	5.6361	2.7746
50	88.733	93.161	96.381	2.362	85.557	89.775	92.585	2.3261	-5.1751	-3.3866	-2.613	0.75703

Device Test: 96.19 T_RHL_MIN(_DHL Dead Time Min 500kHz VIN_12V)

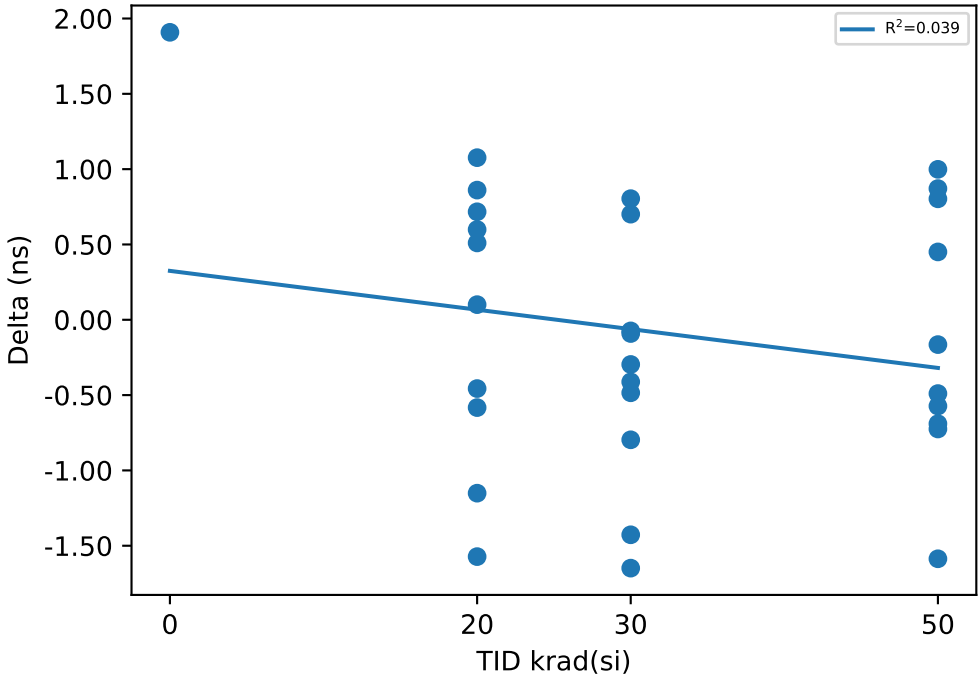
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.2383	5.1467	1.9084
121	20	HDR biased	3.8363	4.5533	0.717
122	20	HDR biased	4.7592	3.6081	-1.1511
123	20	HDR biased	3.8372	4.4361	0.5989
124	20	HDR biased	4.8722	4.4156	-0.4566
125	20	HDR biased	3.9453	4.0458	0.1005
131	30	HDR biased	4.9265	4.5143	-0.4122
132	30	HDR biased	3.6859	3.3893	-0.2966
133	30	HDR biased	3.6702	3.579	-0.0912
134	30	HDR biased	5.3311	4.5344	-0.7967
135	30	HDR biased	3.7194	4.4206	0.7012
151	50	HDR biased	5.2647	4.6921	-0.5726
152	50	HDR biased	2.9346	3.3851	0.4505
153	50	HDR biased	5.7552	5.0303	-0.7249
154	50	HDR biased	3.9767	3.812	-0.1647
155	50	HDR biased	5.1443	4.4543	-0.69
321	20	HDR unbiased	4.0663	4.5765	0.5102
322	20	HDR unbiased	5.0394	3.4672	-1.5722
323	20	HDR unbiased	4.343	5.2039	0.8609
324	20	HDR unbiased	4.647	4.0641	-0.5829
325	20	HDR unbiased	3.0451	4.1213	1.0762
331	30	HDR unbiased	5.3289	3.6802	-1.6487
332	30	HDR unbiased	3.4801	4.2842	0.8041
333	30	HDR unbiased	5.3466	3.9193	-1.4273
334	30	HDR unbiased	3.932	3.8582	-0.0738
335	30	HDR unbiased	5.0916	4.607	-0.4846
351	50	HDR unbiased	3.5836	4.3866	0.803
352	50	HDR unbiased	5.1407	4.6509	-0.4898
353	50	HDR unbiased	3.5197	4.3906	0.8709
354	50	HDR unbiased	4.9668	3.3802	-1.5866
355	50	HDR unbiased	3.7247	4.7235	0.9988

TID vs Post - Pre Exposure Delta

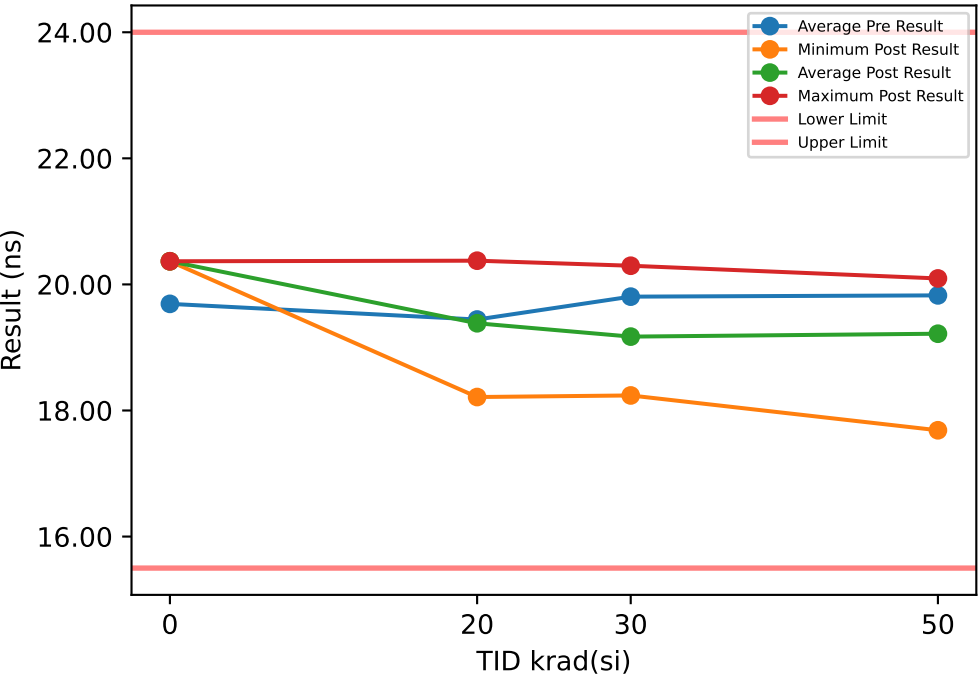


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2383	3.2383	3.2383		5.1467	5.1467	5.1467		1.9084	1.9084	1.9084	
20	3.0451	4.2391	5.0394	0.61052	3.4672	4.2492	5.2039	0.50423	-1.5722	0.01009	1.0762	0.90594
30	3.4801	4.4512	5.3466	0.81145	3.3893	4.0787	4.607	0.4464	-1.6487	-0.37258	0.8041	0.79209
50	2.9346	4.4011	5.7552	0.95639	3.3802	4.2906	5.0303	0.57246	-1.5866	-0.11054	0.9988	0.85605

Device Test: 96.2 T_RLH_MID(_DLH Dead Time Mid 500kHz VIN_12V)

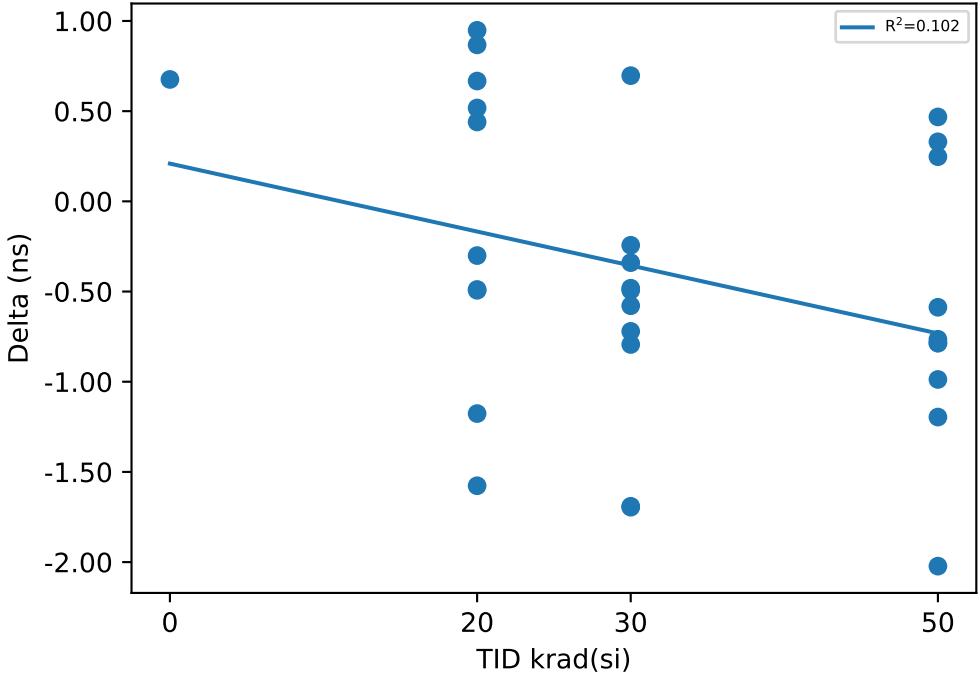
TID vs Result Stats



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.691	20.367	0.6758
121	20	HDR biased	19.709	20.376	0.667
122	20	HDR biased	19.39	18.213	-1.1765
123	20	HDR biased	18.951	19.9	0.9482
124	20	HDR biased	20.565	20.072	-0.4931
125	20	HDR biased	18.87	18.57	-0.3006
131	30	HDR biased	20.54	20.296	-0.2435
132	30	HDR biased	18.745	18.405	-0.3398
133	30	HDR biased	19.587	19.009	-0.5787
134	30	HDR biased	20.512	20.03	-0.4815
135	30	HDR biased	19.348	20.045	0.6968
151	50	HDR biased	21.082	20.095	-0.9874
152	50	HDR biased	19.561	18.366	-1.1958
153	50	HDR biased	20.103	19.318	-0.7849
154	50	HDR biased	19.496	18.908	-0.5872
155	50	HDR biased	20.689	19.902	-0.7862
321	20	HDR unbiased	19.292	20.159	0.8674
322	20	HDR unbiased	19.978	18.401	-1.5767
323	20	HDR unbiased	18.695	19.213	0.5176
324	20	HDR unbiased	20.149	19.66	-0.4885
325	20	HDR unbiased	18.832	19.272	0.44
331	30	HDR unbiased	20.215	18.525	-1.6905
332	30	HDR unbiased	19.155	18.662	-0.4931
333	30	HDR unbiased	20.841	19.146	-1.6955
334	30	HDR unbiased	19.032	18.239	-0.7935
335	30	HDR unbiased	20.084	19.364	-0.7207
351	50	HDR unbiased	19.367	19.697	0.3301
352	50	HDR unbiased	20.12	19.355	-0.7646
353	50	HDR unbiased	18.994	19.462	0.468
354	50	HDR unbiased	19.709	17.686	-2.0223
355	50	HDR unbiased	19.14	19.387	0.2475

TID vs Post - Pre Exposure Delta

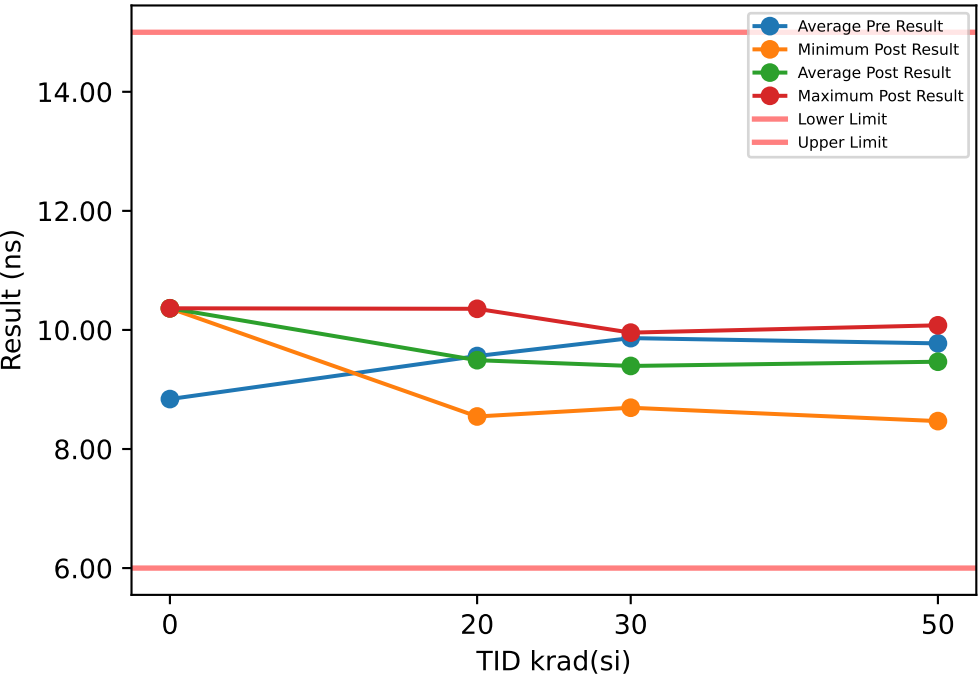


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.691	19.691	19.691		20.367	20.367	20.367		0.6758	0.6758	0.6758	
20	18.695	19.443	20.565	0.63609	18.213	19.384	20.376	0.77767	-1.5767	-0.05952	0.9482	0.87969
30	18.745	19.806	20.841	0.72728	18.239	19.172	20.296	0.74269	-1.6955	-0.634	0.6968	0.6938
50	18.994	19.826	21.082	0.67089	17.686	19.218	20.095	0.72671	-2.0223	-0.60828	0.468	0.77081

Device Test: 96.20 T_RHL_SMALL(_DHL Dead Time Small 500kHz VIN_12V)

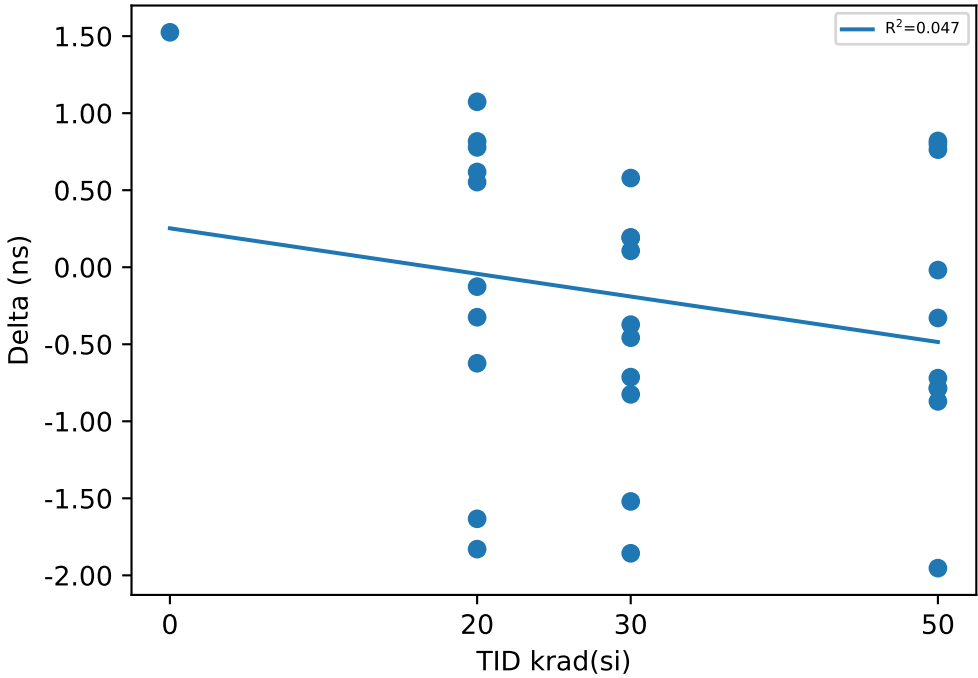
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	8.8388	10.364	1.5249
121	20	HDR biased	9.0358	9.8526	0.8168
122	20	HDR biased	10.18	8.5464	-1.6331
123	20	HDR biased	9.0229	9.5755	0.5526
124	20	HDR biased	10.142	9.817	-0.3245
125	20	HDR biased	9.0176	8.8916	-0.126
131	30	HDR biased	10.429	9.7154	-0.7133
132	30	HDR biased	9.0662	8.6934	-0.3728
133	30	HDR biased	9.2139	9.3204	0.1065
134	30	HDR biased	10.672	9.8463	-0.8253
135	30	HDR biased	8.9698	9.5486	0.5788
151	50	HDR biased	10.53	9.8106	-0.7199
152	50	HDR biased	8.4873	8.4688	-0.0185
153	50	HDR biased	10.865	10.078	-0.7873
154	50	HDR biased	9.172	8.8426	-0.3294
155	50	HDR biased	10.633	9.7628	-0.8707
321	20	HDR unbiased	9.3655	9.9839	0.6184
322	20	HDR unbiased	10.592	8.7622	-1.8298
323	20	HDR unbiased	9.5771	10.355	0.778
324	20	HDR unbiased	10.169	9.5457	-0.6233
325	20	HDR unbiased	8.5148	9.5887	1.0739
331	30	HDR unbiased	10.723	8.8659	-1.8569
332	30	HDR unbiased	9.0099	9.2023	0.1924
333	30	HDR unbiased	10.819	9.299	-1.5202
334	30	HDR unbiased	9.3129	9.5054	0.1925
335	30	HDR unbiased	10.412	9.9548	-0.4574
351	50	HDR unbiased	8.8357	9.6343	0.7986
352	50	HDR unbiased	10.668	9.8835	-0.7842
353	50	HDR unbiased	8.8641	9.6274	0.7633
354	50	HDR unbiased	10.696	8.7428	-1.9532
355	50	HDR unbiased	8.9912	9.8111	0.8199

TID vs Post - Pre Exposure Delta

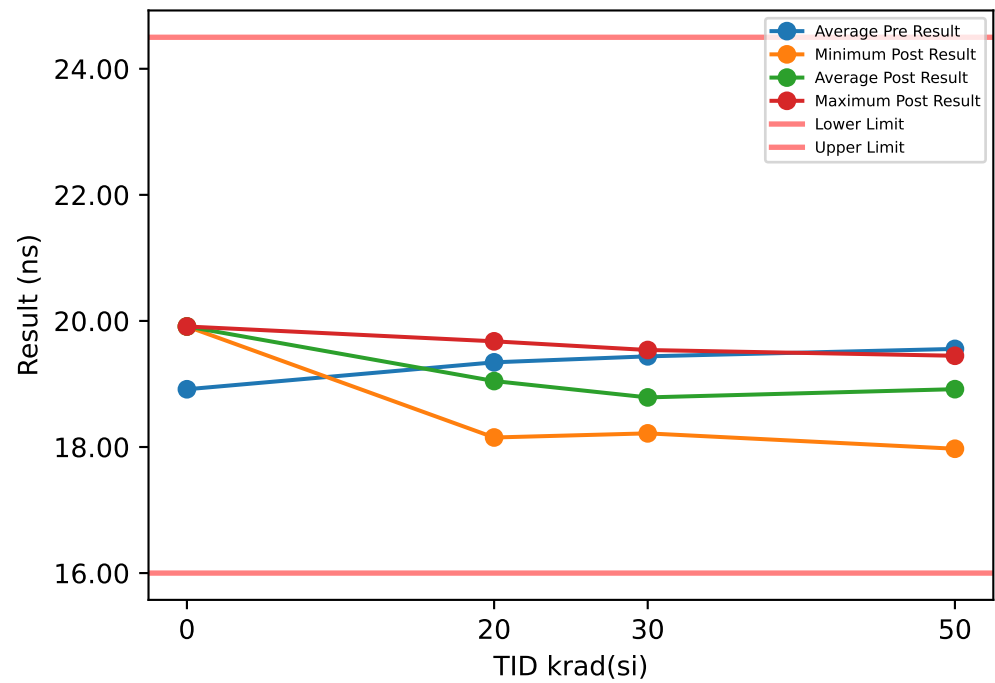


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.8388	8.8388	8.8388		10.364	10.364	10.364		1.5249	1.5249	1.5249	
20	8.5148	9.5616	10.592	0.67871	8.5464	9.4919	10.355	0.58014	-1.8298	-0.0697	1.0739	1.0322
30	8.9698	9.8627	10.819	0.8037	8.6934	9.3951	9.9548	0.40546	-1.8569	-0.46757	0.5788	0.78396
50	8.4873	9.7743	10.865	0.97122	8.4688	9.4662	10.078	0.56125	-1.9532	-0.30814	0.8199	0.90542

Device Test: 96.21 T_RHL_MID(_DHL Dead Time Mid 500kHz VIN_12V)

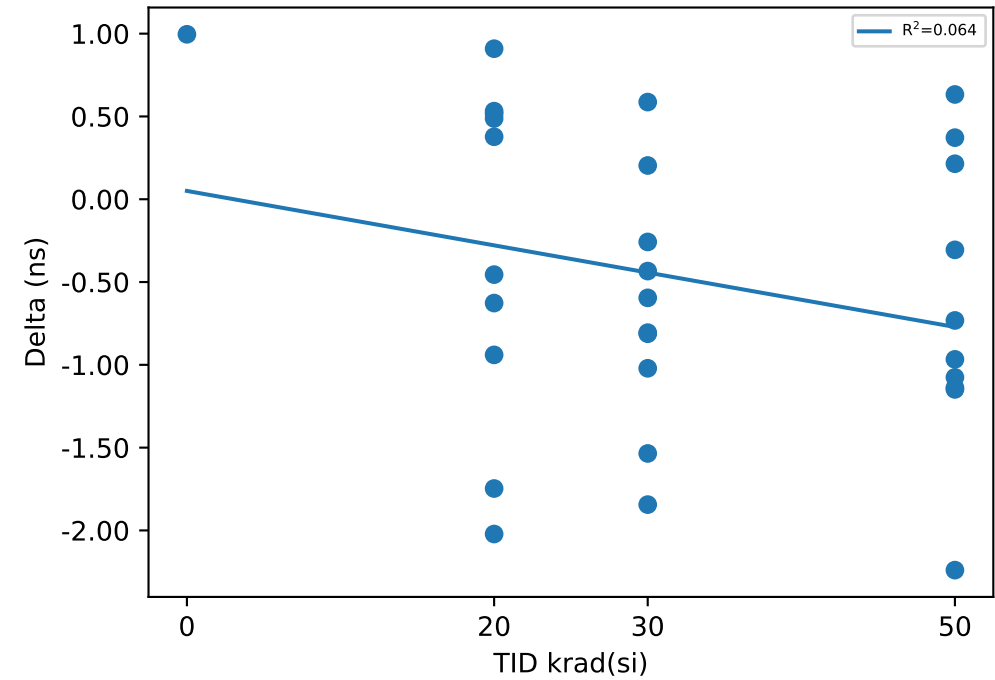
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	18.916	19.912	0.996
121	20	HDR biased	18.871	19.403	0.532
122	20	HDR biased	19.927	18.18	-1.7469
123	20	HDR biased	18.476	18.853	0.3774
124	20	HDR biased	20.036	19.409	-0.627
125	20	HDR biased	18.606	18.151	-0.4552
131	30	HDR biased	20.023	19.002	-1.0209
132	30	HDR biased	18.812	18.216	-0.5955
133	30	HDR biased	18.853	18.419	-0.4338
134	30	HDR biased	20.157	19.352	-0.8056
135	30	HDR biased	18.245	18.831	0.5868
151	50	HDR biased	20.293	19.155	-1.138
152	50	HDR biased	18.676	18.371	-0.3056
153	50	HDR biased	20.275	19.308	-0.967
154	50	HDR biased	18.704	17.972	-0.7319
155	50	HDR biased	20.358	19.21	-1.1484
321	20	HDR unbiased	19.112	19.599	0.4877
322	20	HDR unbiased	20.5	18.479	-2.0217
323	20	HDR unbiased	19.161	19.677	0.5155
324	20	HDR unbiased	20.202	19.262	-0.9399
325	20	HDR unbiased	18.543	19.452	0.9091
331	30	HDR unbiased	20.199	18.355	-1.8441
332	30	HDR unbiased	18.584	18.788	0.2038
333	30	HDR unbiased	20.336	18.801	-1.5352
334	30	HDR unbiased	18.823	18.565	-0.2579
335	30	HDR unbiased	20.351	19.539	-0.8122
351	50	HDR unbiased	18.688	19.06	0.3719
352	50	HDR unbiased	20.523	19.448	-1.0759
353	50	HDR unbiased	18.911	19.125	0.2144
354	50	HDR unbiased	20.709	18.47	-2.2398
355	50	HDR unbiased	18.424	19.057	0.6327

TID vs Post - Pre Exposure Delta

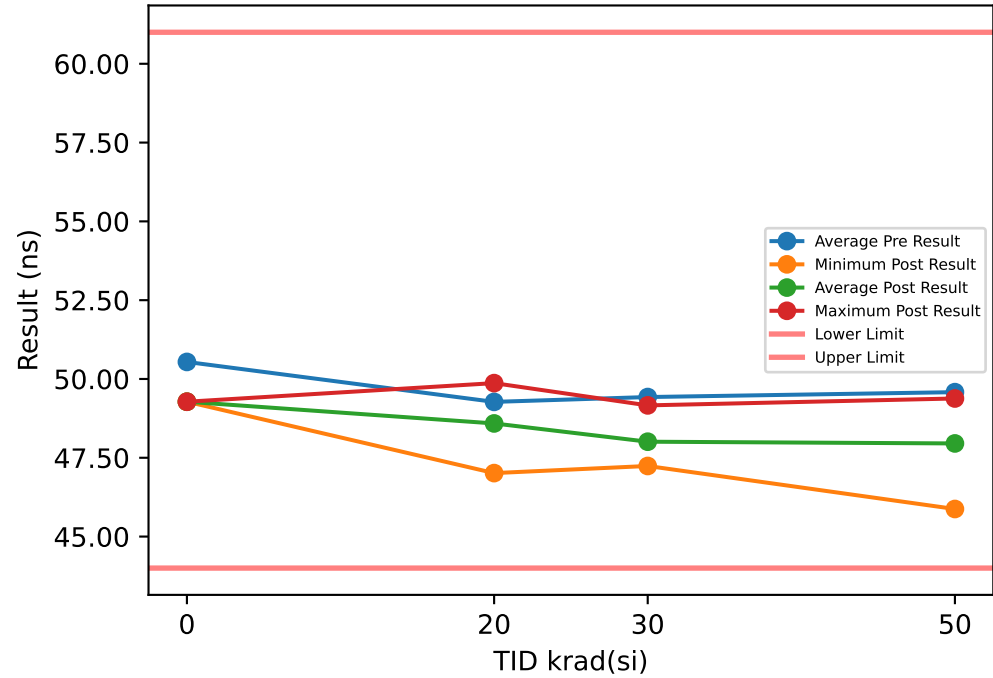


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.916	18.916	18.916		19.912	19.912	19.912		0.996	0.996	0.996	
20	18.476	19.343	20.5	0.75588	18.151	19.046	19.677	0.58547	-2.0217	-0.2969	0.9091	1.0272
30	18.245	19.438	20.351	0.83946	18.216	18.787	19.539	0.42537	-1.8441	-0.65146	0.5868	0.73482
50	18.424	19.556	20.709	0.93814	17.972	18.917	19.448	0.47735	-2.2398	-0.63876	0.6327	0.87285

Device Test: 96.22 T_RHL_LARGE(_DHL Dead Time Large 500kHz VIN_12V)

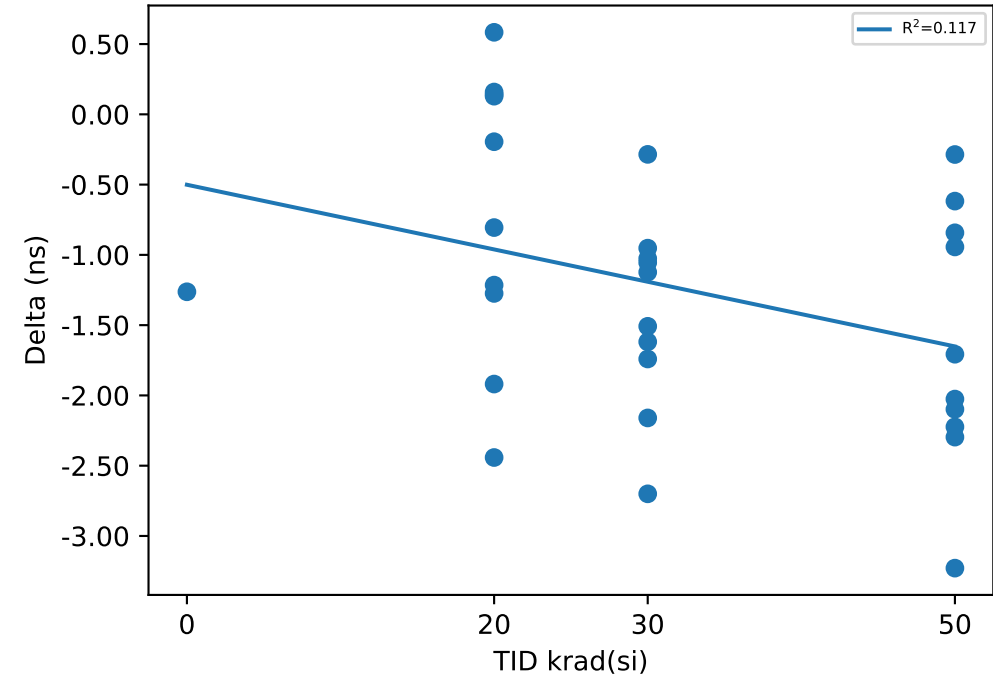
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	50.541	49.278	-1.2626
121	20	HDR biased	48.556	48.685	0.1291
122	20	HDR biased	50.515	48.596	-1.9191
123	20	HDR biased	47.712	47.517	-0.1948
124	20	HDR biased	50.007	48.733	-1.2743
125	20	HDR biased	47.819	47.014	-0.8057
131	30	HDR biased	49.293	47.674	-1.6186
132	30	HDR biased	48.931	47.876	-1.055
133	30	HDR biased	48.806	47.853	-0.9522
134	30	HDR biased	50.401	48.661	-1.7407
135	30	HDR biased	47.615	47.33	-0.2849
151	50	HDR biased	49.799	47.576	-2.2235
152	50	HDR biased	50.224	49.381	-0.8429
153	50	HDR biased	49.274	47.248	-2.026
154	50	HDR biased	47.582	45.875	-1.7069
155	50	HDR biased	50.422	48.324	-2.0988
321	20	HDR unbiased	49.154	49.313	0.1587
322	20	HDR unbiased	50.844	48.402	-2.4418
323	20	HDR unbiased	48.308	48.449	0.1408
324	20	HDR unbiased	50.532	49.316	-1.2151
325	20	HDR unbiased	49.285	49.868	0.5836
331	30	HDR unbiased	49.94	47.239	-2.7002
332	30	HDR unbiased	49.038	47.915	-1.1233
333	30	HDR unbiased	50.717	48.557	-2.1602
334	30	HDR unbiased	48.855	47.829	-1.026
335	30	HDR unbiased	50.67	49.162	-1.5083
351	50	HDR unbiased	48.62	48.002	-0.6174
352	50	HDR unbiased	51.241	48.944	-2.2967
353	50	HDR unbiased	49.17	48.227	-0.9435
354	50	HDR unbiased	51.823	48.594	-3.2289
355	50	HDR unbiased	47.663	47.377	-0.2859

TID vs Post - Pre Exposure Delta

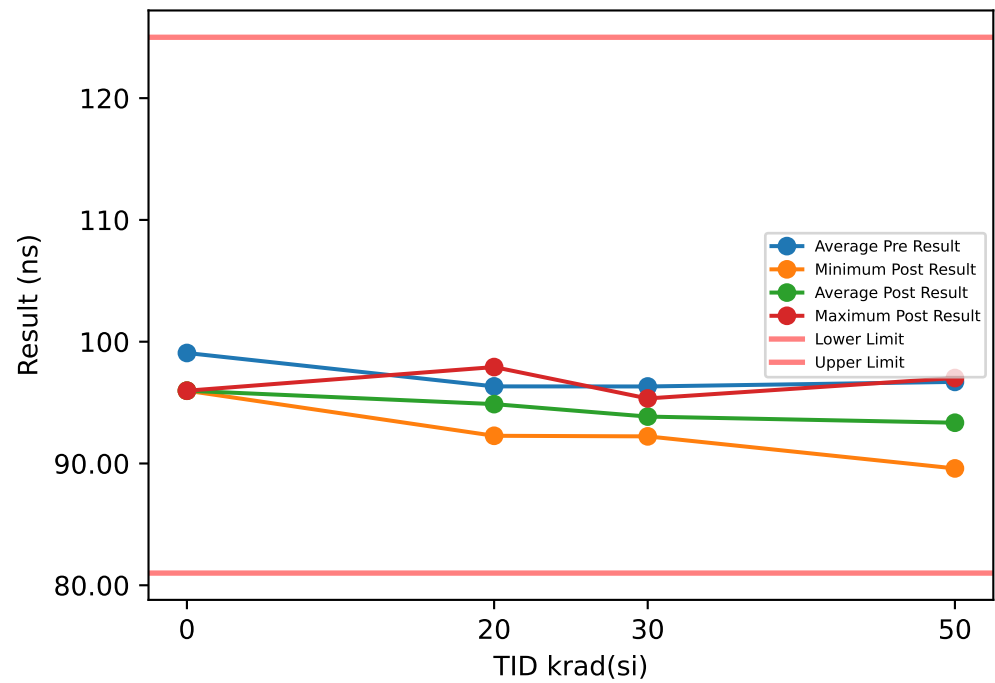


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	50.541	50.541	50.541		49.278	49.278	49.278		-1.2626	-1.2626	-1.2626	
20	47.712	49.273	50.844	1.1615	47.014	48.589	49.868	0.84354	-2.4418	-0.68386	0.5836	1.0088
30	47.615	49.427	50.717	0.99076	47.239	48.01	49.162	0.60576	-2.7002	-1.4169	-0.2849	0.6848
50	47.582	49.582	51.823	1.4068	45.875	47.955	49.381	0.99641	-3.2289	-1.6271	-0.2859	0.92246

Device Test: 96.23 T_RHL_MAX(_DHL Dead Time Max 500kHz VIN_12V)

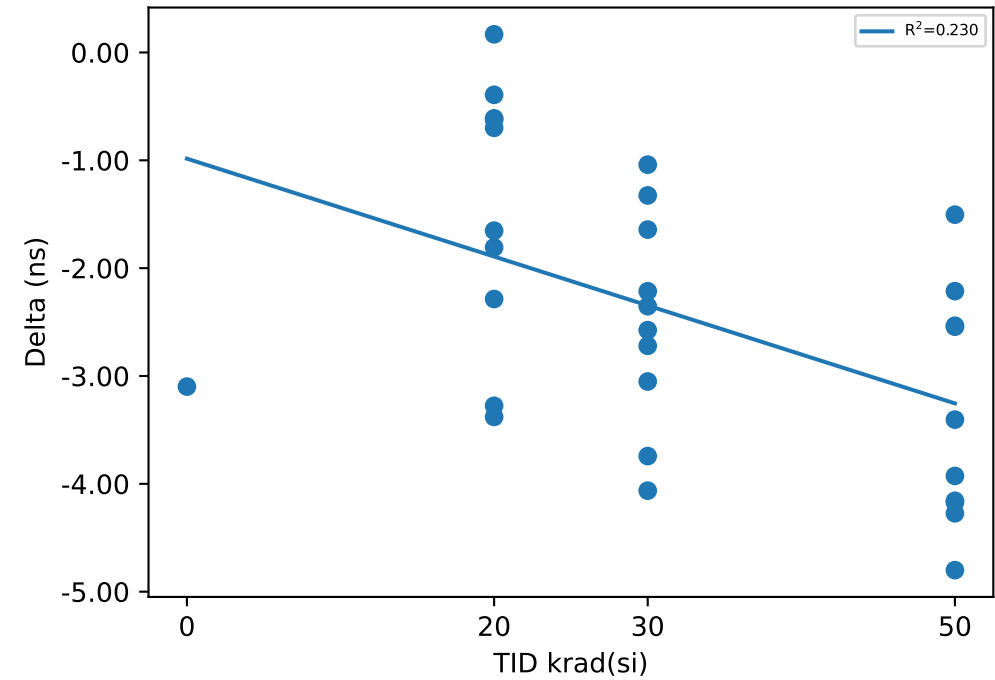
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	99.074	95.975	-3.0982
121	20	HDR biased	95.438	94.828	-0.6108
122	20	HDR biased	98.957	95.681	-3.2763
123	20	HDR biased	93.349	92.65	-0.6989
124	20	HDR biased	96.999	94.713	-2.2863
125	20	HDR biased	94.082	92.274	-1.808
131	30	HDR biased	95.648	93.073	-2.5748
132	30	HDR biased	96.173	93.959	-2.2144
133	30	HDR biased	95.519	93.876	-1.6424
134	30	HDR biased	97.81	94.759	-3.0512
135	30	HDR biased	93.267	92.227	-1.0404
151	50	HDR biased	95.589	91.662	-3.9268
152	50	HDR biased	99.551	97.017	-2.534
153	50	HDR biased	95.287	91.13	-4.1572
154	50	HDR biased	92.999	89.595	-3.4044
155	50	HDR biased	97.748	93.576	-4.1716
321	20	HDR unbiased	95.879	95.487	-0.3926
322	20	HDR unbiased	98.598	95.218	-3.3796
323	20	HDR unbiased	94.224	93.602	-0.6216
324	20	HDR unbiased	98.036	96.383	-1.6524
325	20	HDR unbiased	97.749	97.918	0.1684
331	30	HDR unbiased	96.326	92.583	-3.7427
332	30	HDR unbiased	96.464	94.111	-2.3529
333	30	HDR unbiased	98.386	94.323	-4.0632
334	30	HDR unbiased	95.586	94.26	-1.3254
335	30	HDR unbiased	98.061	95.341	-2.72
351	50	HDR unbiased	95.613	93.4	-2.2132
352	50	HDR unbiased	99.704	95.43	-4.2734
353	50	HDR unbiased	96.412	93.869	-2.5429
354	50	HDR unbiased	100.64	95.838	-4.8002
355	50	HDR unbiased	93.458	91.954	-1.504

TID vs Post - Pre Exposure Delta

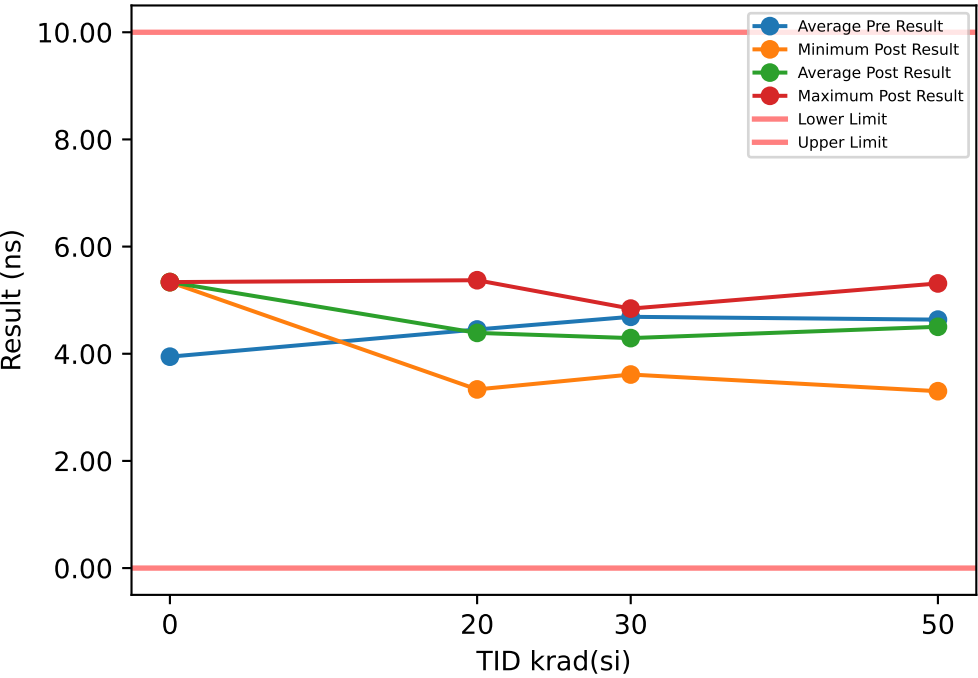


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.074	99.074	99.074		95.975	95.975	95.975		-3.0982	-3.0982	-3.0982	
20	93.349	96.331	98.957	2.0219	92.274	94.875	97.918	1.7009	-3.3796	-1.4558	0.1684	1.2301
30	93.267	96.324	98.386	1.5098	92.227	93.851	95.341	0.96406	-4.0632	-2.4727	-1.0404	0.98246
50	92.999	96.7	100.64	2.6346	89.595	93.347	97.017	2.3124	-4.8002	-3.3528	-1.504	1.0871

Device Test: 96.24 T_RHL_MIN(_DHL Dead Time Min 1MHz VIN_12V)

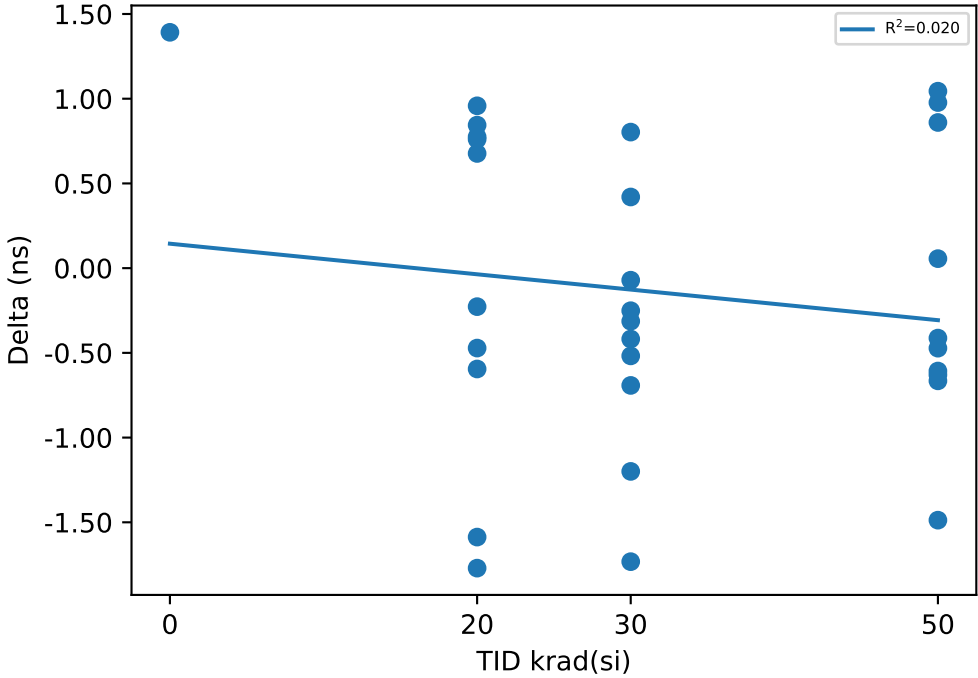
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.9455	5.3374	1.3919
121	20	HDR biased	4.1926	4.8695	0.6769
122	20	HDR biased	5.1048	3.3343	-1.7705
123	20	HDR biased	3.8788	4.6393	0.7605
124	20	HDR biased	5.1282	4.6565	-0.4717
125	20	HDR biased	4.1523	3.9251	-0.2272
131	30	HDR biased	5.3443	4.8265	-0.5178
132	30	HDR biased	3.9255	3.6123	-0.3132
133	30	HDR biased	4.1152	3.864	-0.2512
134	30	HDR biased	5.4857	4.7936	-0.6921
135	30	HDR biased	3.8702	4.6732	0.803
151	50	HDR biased	5.5624	4.8973	-0.6651
152	50	HDR biased	3.2451	3.3012	0.0561
153	50	HDR biased	5.9195	5.3123	-0.6072
154	50	HDR biased	4.5263	4.1135	-0.4128
155	50	HDR biased	5.2091	4.7368	-0.4723
321	20	HDR unbiased	4.1017	4.8769	0.7752
322	20	HDR unbiased	5.2188	3.6316	-1.5872
323	20	HDR unbiased	4.528	5.3722	0.8442
324	20	HDR unbiased	4.9142	4.3191	-0.5951
325	20	HDR unbiased	3.3113	4.2694	0.9581
331	30	HDR unbiased	5.6779	3.9456	-1.7323
332	30	HDR unbiased	3.749	4.169	0.42
333	30	HDR unbiased	5.3965	4.1969	-1.1996
334	30	HDR unbiased	4.0697	3.9986	-0.0711
335	30	HDR unbiased	5.2609	4.8426	-0.4183
351	50	HDR unbiased	3.8007	4.6605	0.8598
352	50	HDR unbiased	5.4584	4.8289	-0.6295
353	50	HDR unbiased	3.6303	4.6077	0.9774
354	50	HDR unbiased	5.1527	3.6653	-1.4874
355	50	HDR unbiased	3.8646	4.909	1.0444

TID vs Post - Pre Exposure Delta

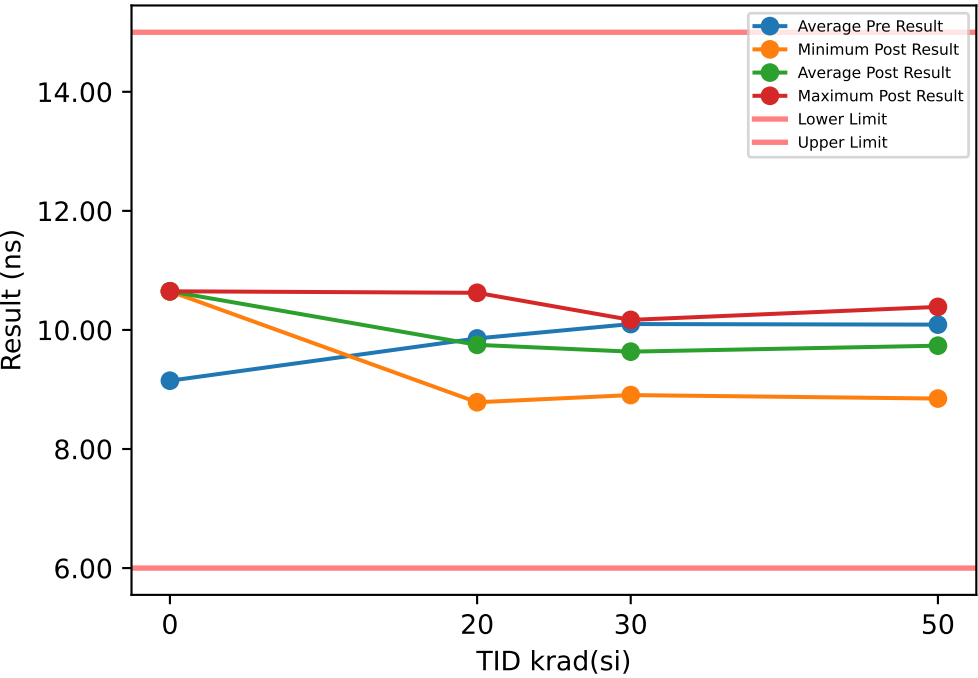


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.9455	3.9455	3.9455		5.3374	5.3374	5.3374		1.3919	1.3919	1.3919	
20	3.3113	4.4531	5.2188	0.63249	3.3343	4.3894	5.3722	0.62274	-1.7705	-0.06368	0.9581	1.0279
30	3.749	4.6895	5.6779	0.79718	3.6123	4.2922	4.8426	0.45475	-1.7323	-0.39726	0.803	0.72811
50	3.2451	4.6369	5.9195	0.94447	3.3012	4.5032	5.3123	0.6209	-1.4874	-0.13366	1.0444	0.84479

Device Test: 96.25 T_RHL_SMALL(_DHL Dead Time Small 1MHz VIN_12V)

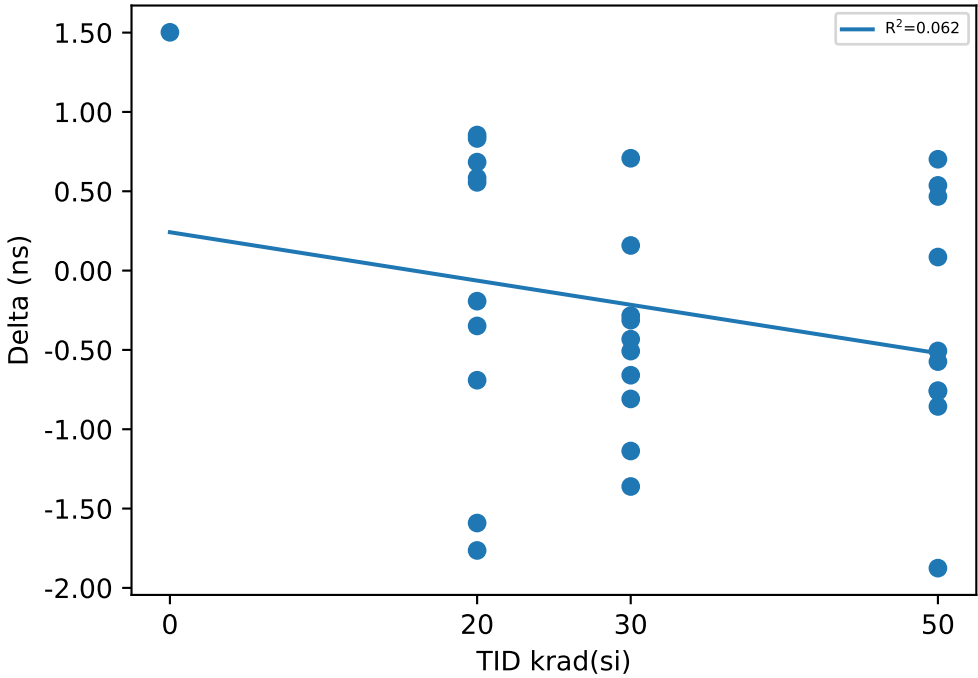
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.1473	10.649	1.5019
121	20	HDR biased	9.4731	10.157	0.6837
122	20	HDR biased	10.376	8.7852	-1.5912
123	20	HDR biased	9.3042	9.8883	0.5841
124	20	HDR biased	10.347	9.9977	-0.3489
125	20	HDR biased	9.2899	9.0972	-0.1927
131	30	HDR biased	10.649	9.9892	-0.6595
132	30	HDR biased	9.3384	8.9061	-0.4323
133	30	HDR biased	9.5024	9.1898	-0.3126
134	30	HDR biased	10.863	10.054	-0.809
135	30	HDR biased	9.1578	9.8658	0.708
151	50	HDR biased	10.735	10.161	-0.5738
152	50	HDR biased	8.7621	8.8475	0.0854
153	50	HDR biased	11.144	10.387	-0.7568
154	50	HDR biased	9.6517	9.1452	-0.5065
155	50	HDR biased	10.78	10.02	-0.7601
321	20	HDR unbiased	9.7469	10.303	0.5562
322	20	HDR unbiased	10.816	9.0523	-1.764
323	20	HDR unbiased	9.7911	10.624	0.8327
324	20	HDR unbiased	10.464	9.7733	-0.691
325	20	HDR unbiased	8.9663	9.8208	0.8545
331	30	HDR unbiased	10.892	9.5315	-1.3609
332	30	HDR unbiased	9.3188	9.4771	0.1583
333	30	HDR unbiased	11.086	9.9488	-1.1372
334	30	HDR unbiased	9.5065	9.2221	-0.2844
335	30	HDR unbiased	10.676	10.169	-0.5074
351	50	HDR unbiased	9.3337	9.8707	0.537
352	50	HDR unbiased	10.972	10.115	-0.8563
353	50	HDR unbiased	9.3337	9.8007	0.467
354	50	HDR unbiased	10.876	9.0004	-1.8755
355	50	HDR unbiased	9.3064	10.008	0.7018

TID vs Post - Pre Exposure Delta

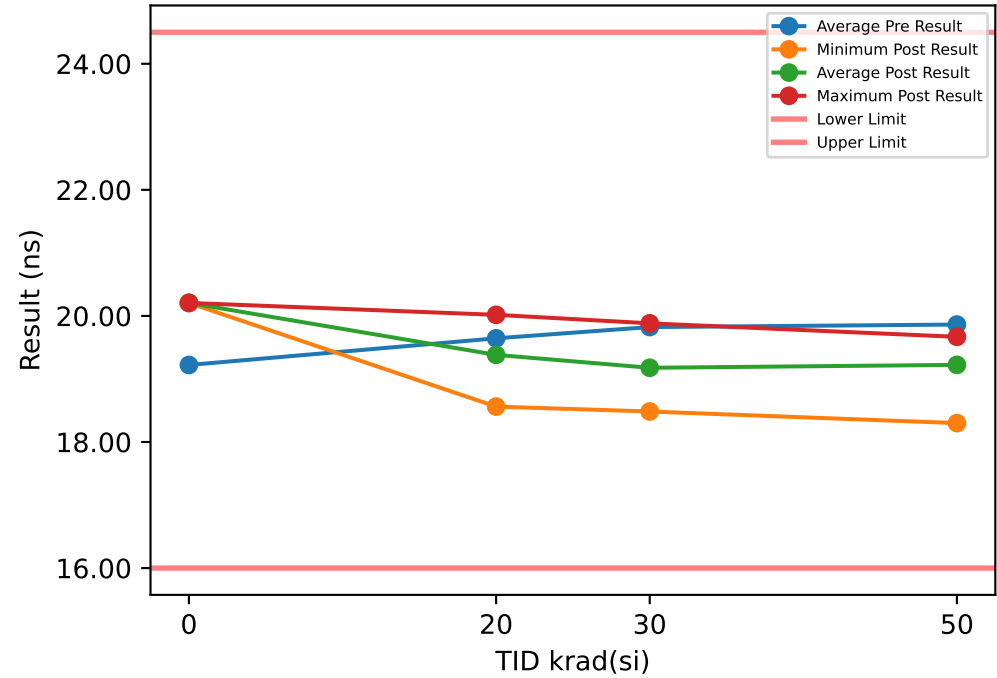


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.1473	9.1473	9.1473		10.649	10.649	10.649		1.5019	1.5019	1.5019	
20	8.9663	9.8575	10.816	0.61309	8.7852	9.7499	10.624	0.59299	-1.764	-0.10766	0.8545	0.98351
30	9.1578	10.099	11.086	0.78899	8.9061	9.6353	10.169	0.43116	-1.3609	-0.4637	0.708	0.59942
50	8.7621	10.089	11.144	0.88888	8.8475	9.7356	10.387	0.538	-1.8755	-0.35378	0.7018	0.79873

Device Test: 96.26 T_RHL_MID(_DHL Dead Time Mid 1MHz VIN_12V)

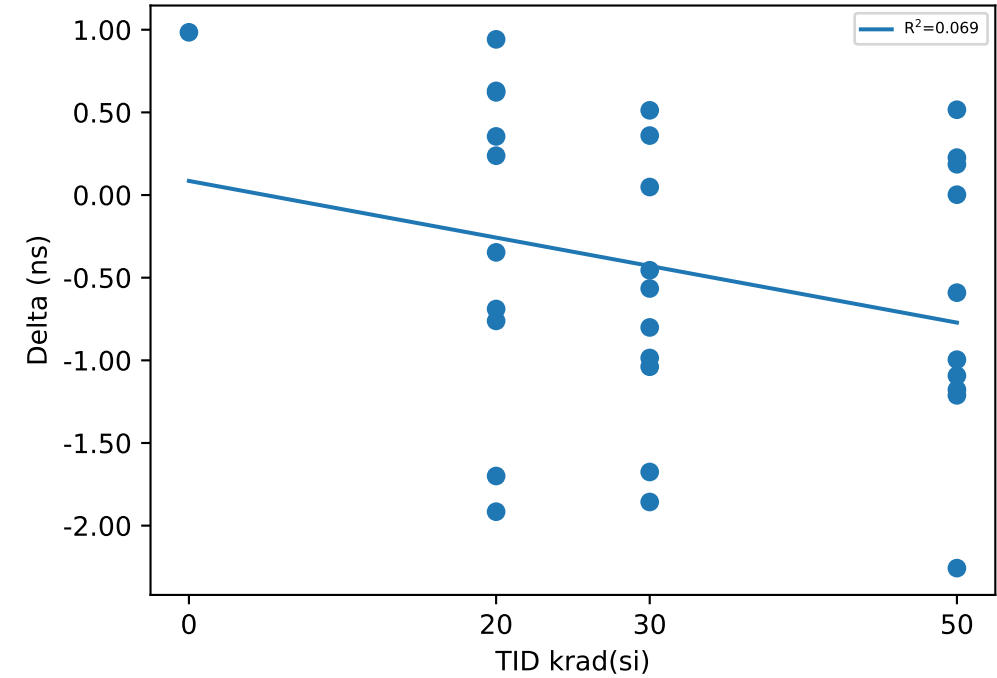
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.222	20.206	0.9844
121	20	HDR biased	19.092	19.713	0.6212
122	20	HDR biased	20.262	18.562	-1.6998
123	20	HDR biased	18.85	19.205	0.3546
124	20	HDR biased	20.354	19.593	-0.7615
125	20	HDR biased	18.977	18.63	-0.3468
131	30	HDR biased	20.327	19.288	-1.0388
132	30	HDR biased	19.049	18.484	-0.5654
133	30	HDR biased	19.28	18.825	-0.4551
134	30	HDR biased	20.606	19.62	-0.9857
135	30	HDR biased	18.649	19.162	0.5125
151	50	HDR biased	20.629	19.537	-1.0927
152	50	HDR biased	19.072	19.074	0.0021
153	50	HDR biased	20.598	19.602	-0.996
154	50	HDR biased	18.89	18.3	-0.5907
155	50	HDR biased	20.643	19.465	-1.1774
321	20	HDR unbiased	19.72	19.958	0.238
322	20	HDR unbiased	20.706	18.791	-1.9156
323	20	HDR unbiased	19.388	20.017	0.6299
324	20	HDR unbiased	20.3	19.611	-0.6893
325	20	HDR unbiased	18.802	19.744	0.9418
331	30	HDR unbiased	20.399	18.542	-1.8569
332	30	HDR unbiased	19.165	19.524	0.3597
333	30	HDR unbiased	20.869	19.193	-1.6754
334	30	HDR unbiased	19.206	19.255	0.0484
335	30	HDR unbiased	20.684	19.883	-0.801
351	50	HDR unbiased	19.116	19.302	0.186
352	50	HDR unbiased	20.88	19.669	-1.2117
353	50	HDR unbiased	19.141	19.367	0.2262
354	50	HDR unbiased	20.944	18.687	-2.2571
355	50	HDR unbiased	18.718	19.235	0.516

TID vs Post - Pre Exposure Delta

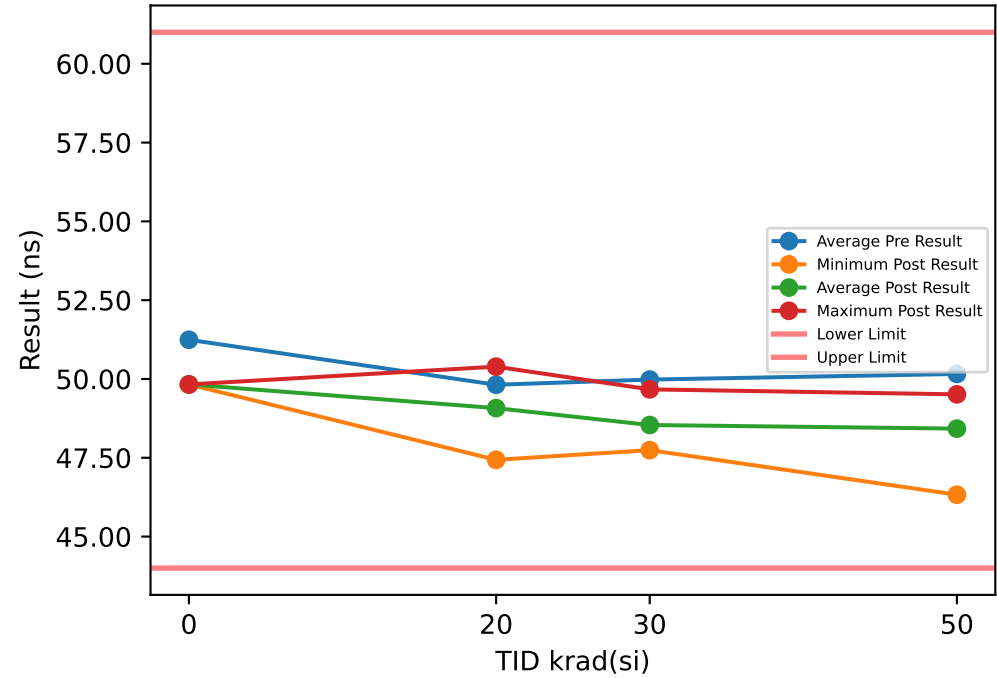


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.222	19.222	19.222		20.206	20.206	20.206		0.9844	0.9844	0.9844	
20	18.802	19.645	20.706	0.7154	18.562	19.382	20.017	0.54688	-1.9156	-0.26275	0.9418	0.99419
30	18.649	19.823	20.869	0.82449	18.484	19.178	19.883	0.45234	-1.8569	-0.64577	0.5125	0.79571
50	18.718	19.863	20.944	0.93681	18.3	19.224	19.669	0.43306	-2.2571	-0.63953	0.516	0.86577

Device Test: 96.27 T_RHL_LARGE(_DHL Dead Time Large 1MHz VIN_12V)

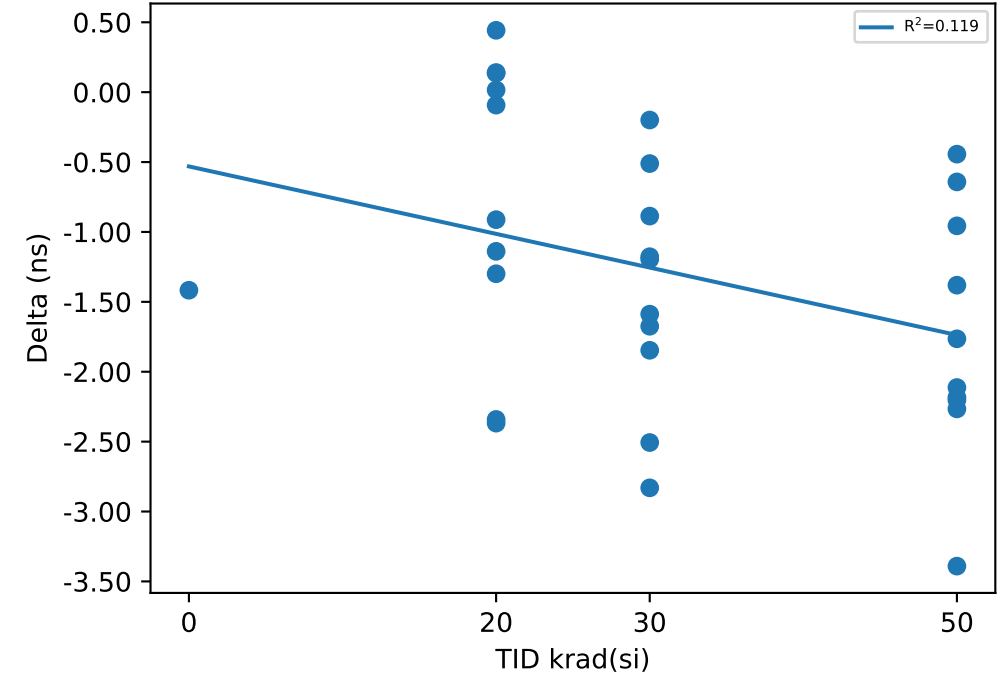
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	51.243	49.827	-1.4169
121	20	HDR biased	49.167	49.307	0.1404
122	20	HDR biased	51.064	48.723	-2.3412
123	20	HDR biased	48.057	48.073	0.0161
124	20	HDR biased	50.566	49.267	-1.299
125	20	HDR biased	48.347	47.435	-0.912
131	30	HDR biased	49.814	48.14	-1.6746
132	30	HDR biased	49.362	48.476	-0.8865
133	30	HDR biased	49.411	48.9	-0.5107
134	30	HDR biased	50.994	49.147	-1.8465
135	30	HDR biased	48.1	47.901	-0.1991
151	50	HDR biased	50.36	48.177	-2.1829
152	50	HDR biased	50.893	49.512	-1.3808
153	50	HDR biased	49.905	47.703	-2.2024
154	50	HDR biased	48.093	46.328	-1.7644
155	50	HDR biased	51.082	48.816	-2.2658
321	20	HDR unbiased	49.72	49.856	0.1364
322	20	HDR unbiased	51.206	48.838	-2.3678
323	20	HDR unbiased	49.073	48.98	-0.0927
324	20	HDR unbiased	51.02	49.882	-1.1386
325	20	HDR unbiased	49.948	50.391	0.4426
331	30	HDR unbiased	50.573	47.742	-2.8305
332	30	HDR unbiased	49.617	48.44	-1.1771
333	30	HDR unbiased	51.194	48.688	-2.5064
334	30	HDR unbiased	49.483	48.287	-1.1954
335	30	HDR unbiased	51.258	49.67	-1.588
351	50	HDR unbiased	49.173	48.531	-0.642
352	50	HDR unbiased	51.612	49.499	-2.113
353	50	HDR unbiased	49.722	48.765	-0.9563
354	50	HDR unbiased	52.491	49.1	-3.3907
355	50	HDR unbiased	48.26	47.817	-0.4434

TID vs Post - Pre Exposure Delta

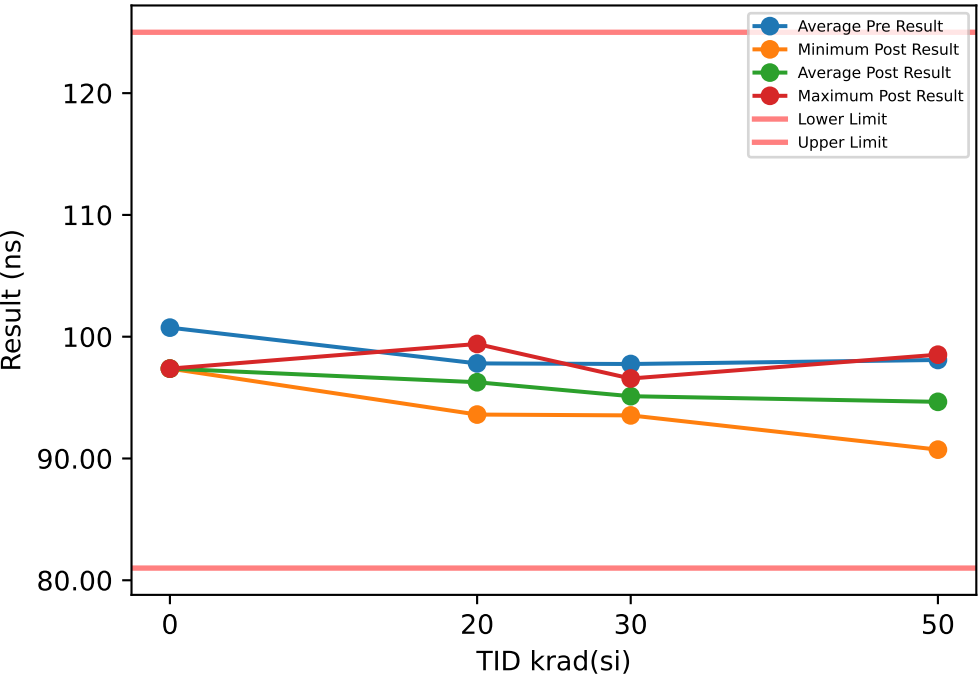


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	51.243	51.243	51.243		49.827	49.827	49.827		-1.4169	-1.4169	-1.4169	
20	48.057	49.817	51.206	1.1429	47.435	49.075	50.391	0.8798	-2.3678	-0.74158	0.4426	1.0353
30	48.1	49.981	51.258	1.0073	47.742	48.539	49.67	0.58505	-2.8305	-1.4415	-0.1991	0.82675
50	48.093	50.159	52.491	1.4174	46.328	48.425	49.512	0.96727	-3.3907	-1.7342	-0.4434	0.89322

Device Test: 96.28 T_RHL_MAX(_DHL Dead Time Max 1MHz VIN_12V)

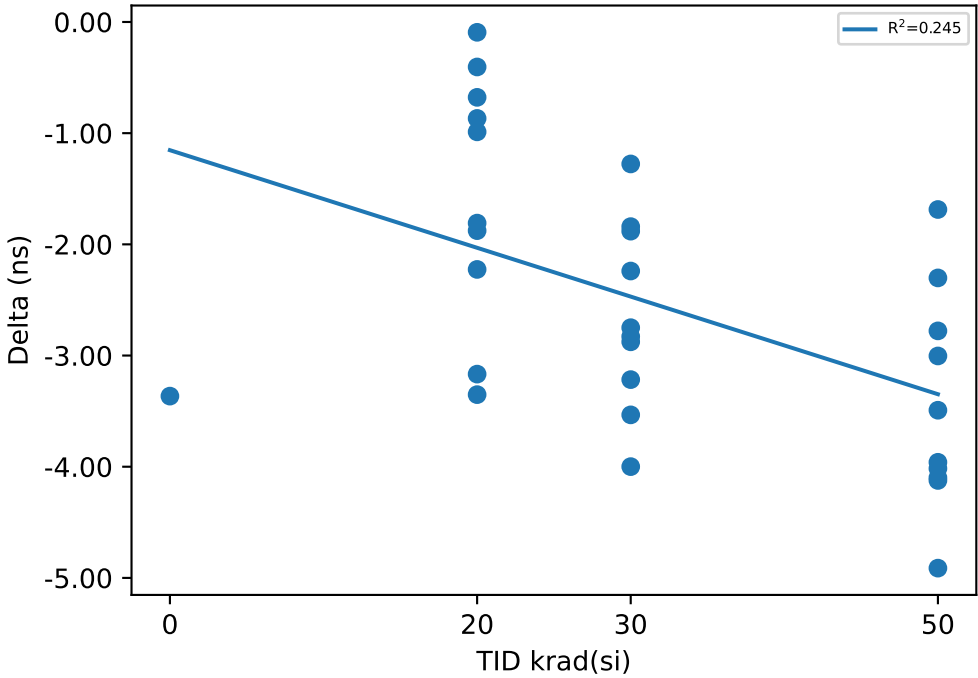
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	100.75	97.38	-3.365
121	20	HDR biased	96.961	96.283	-0.6778
122	20	HDR biased	100.32	97.157	-3.1671
123	20	HDR biased	94.861	93.873	-0.9882
124	20	HDR biased	98.306	96.081	-2.2255
125	20	HDR biased	95.484	93.607	-1.8767
131	30	HDR biased	97.069	94.192	-2.8766
132	30	HDR biased	97.54	95.3	-2.2399
133	30	HDR biased	97.061	95.179	-1.8814
134	30	HDR biased	99.21	95.993	-3.2165
135	30	HDR biased	94.816	93.539	-1.2768
151	50	HDR biased	96.837	92.877	-3.9601
152	50	HDR biased	101.3	98.523	-2.7782
153	50	HDR biased	96.328	92.312	-4.016
154	50	HDR biased	94.218	90.726	-3.4919
155	50	HDR biased	98.981	94.883	-4.0979
321	20	HDR unbiased	97.328	96.923	-0.4046
322	20	HDR unbiased	100.05	96.699	-3.3516
323	20	HDR unbiased	95.713	94.846	-0.8674
324	20	HDR unbiased	99.553	97.744	-1.8089
325	20	HDR unbiased	99.495	99.402	-0.0929
331	30	HDR unbiased	97.751	94.217	-3.5336
332	30	HDR unbiased	97.977	95.227	-2.7495
333	30	HDR unbiased	99.748	95.749	-3.9991
334	30	HDR unbiased	97.017	95.177	-1.8406
335	30	HDR unbiased	99.396	96.567	-2.8287
351	50	HDR unbiased	97.034	94.732	-2.3019
352	50	HDR unbiased	101.02	96.892	-4.1234
353	50	HDR unbiased	98.079	95.076	-3.0038
354	50	HDR unbiased	102.25	97.339	-4.9121
355	50	HDR unbiased	94.846	93.16	-1.6865

TID vs Post - Pre Exposure Delta

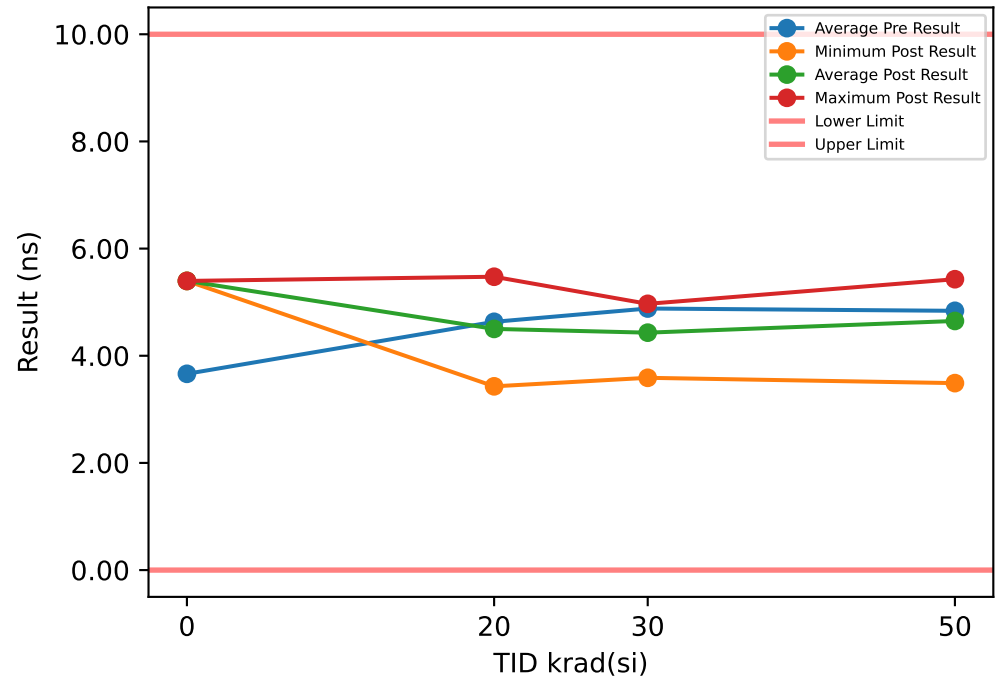


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	100.75	100.75	100.75		97.38	97.38	97.38		-3.365	-3.365	-3.365	
20	94.861	97.808	100.32	2.0254	93.607	96.262	99.402	1.7727	-3.3516	-1.5461	-0.0929	1.1288
30	94.816	97.758	99.748	1.4535	93.539	95.114	96.567	0.9116	-3.9991	-2.6443	-1.2768	0.83761
50	94.218	98.089	102.25	2.7546	90.726	94.652	98.523	2.4434	-4.9121	-3.4372	-1.6865	0.9815

Device Test: 96.29 T_RHL_MIN(_DHL Dead Time Min 2MHz VIN_12V)

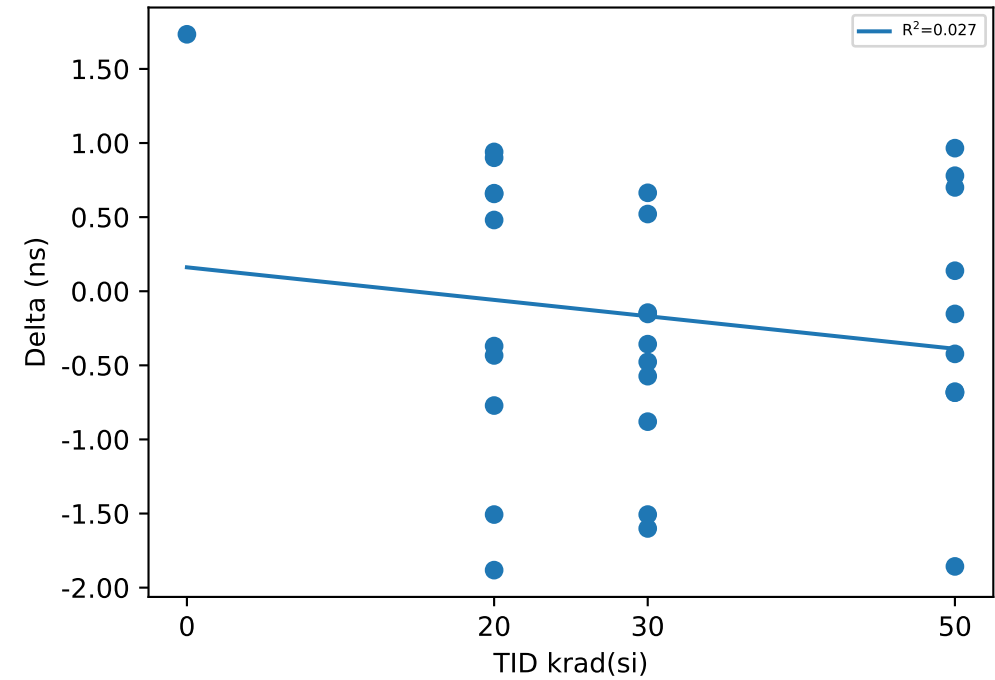
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.6629	5.3965	1.7336
121	20	HDR biased	4.2171	4.8786	0.6615
122	20	HDR biased	5.3112	3.4293	-1.8819
123	20	HDR biased	4.1359	4.7928	0.6569
124	20	HDR biased	5.1858	4.7526	-0.4332
125	20	HDR biased	4.3317	3.9616	-0.3701
131	30	HDR biased	5.5199	4.9468	-0.5731
132	30	HDR biased	4.0653	3.5884	-0.4769
133	30	HDR biased	4.2216	4.0685	-0.1531
134	30	HDR biased	5.8328	4.9528	-0.88
135	30	HDR biased	4.0811	4.7452	0.6641
151	50	HDR biased	5.5202	5.0975	-0.4227
152	50	HDR biased	3.3508	3.4892	0.1384
153	50	HDR biased	6.1118	5.4284	-0.6834
154	50	HDR biased	4.5229	4.3698	-0.1531
155	50	HDR biased	5.5711	4.8866	-0.6845
321	20	HDR unbiased	4.5567	5.0374	0.4807
322	20	HDR unbiased	5.2707	3.7638	-1.5069
323	20	HDR unbiased	4.5346	5.4746	0.94
324	20	HDR unbiased	5.1954	4.4241	-0.7713
325	20	HDR unbiased	3.5952	4.4958	0.9006
331	30	HDR unbiased	5.7303	4.1296	-1.6007
332	30	HDR unbiased	3.8509	4.3719	0.521
333	30	HDR unbiased	5.8292	4.3223	-1.5069
334	30	HDR unbiased	4.3594	4.2152	-0.1442
335	30	HDR unbiased	5.326	4.9689	-0.3571
351	50	HDR unbiased	3.9582	4.7378	0.7796
352	50	HDR unbiased	5.5988	4.9213	-0.6775
353	50	HDR unbiased	4.0202	4.7206	0.7004
354	50	HDR unbiased	5.6232	3.7664	-1.8568
355	50	HDR unbiased	4.1101	5.0755	0.9654

TID vs Post - Pre Exposure Delta

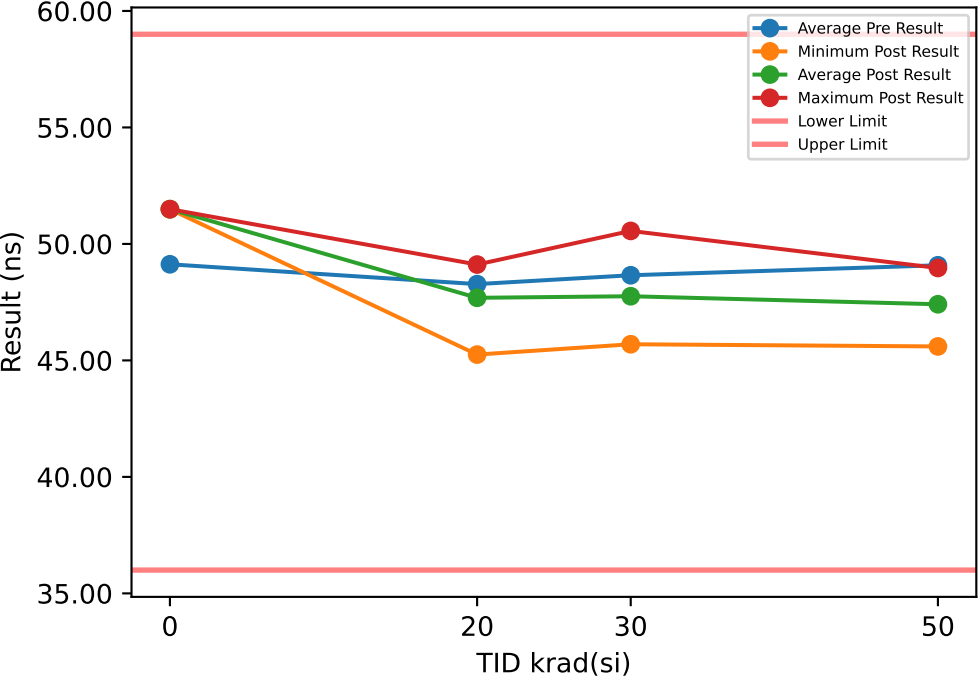


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.6629	3.6629	3.6629		5.3965	5.3965	5.3965		1.7336	1.7336	1.7336	
20	3.5952	4.6334	5.3112	0.58613	3.4293	4.5011	5.4746	0.62499	-1.8819	-0.13237	0.94	1.0193
30	3.8509	4.8816	5.8328	0.83038	3.5884	4.431	4.9689	0.46194	-1.6007	-0.45069	0.6641	0.74657
50	3.3508	4.8387	6.1118	0.94895	3.4892	4.6493	5.4284	0.60884	-1.8568	-0.18942	0.9654	0.86507

Device Test: 96.3 T_RLH_LARGE(_DLHDead Time Large 500kHz VIN_12V)

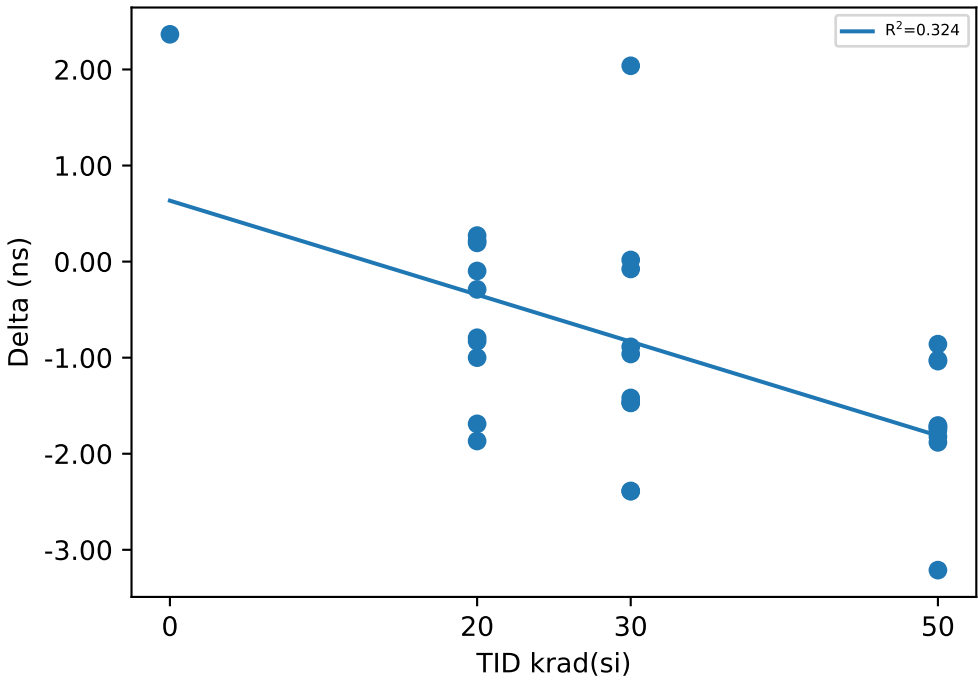
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	49.126	51.492	2.366
121	20	HDR biased	48.313	48.508	0.1951
122	20	HDR biased	47.118	45.251	-1.8675
123	20	HDR biased	46.126	46.397	0.2709
124	20	HDR biased	49.474	48.474	-1
125	20	HDR biased	48.678	47.849	-0.829
131	30	HDR biased	50.541	50.558	0.0173
132	30	HDR biased	46.581	45.693	-0.8875
133	30	HDR biased	48.581	47.11	-1.4707
134	30	HDR biased	49.817	48.398	-1.4191
135	30	HDR biased	49.044	48.968	-0.0766
151	50	HDR biased	50.121	48.299	-1.8223
152	50	HDR biased	47.547	45.818	-1.7293
153	50	HDR biased	49.829	47.948	-1.8815
154	50	HDR biased	49.873	48.167	-1.7059
155	50	HDR biased	49.715	47.96	-1.755
321	20	HDR unbiased	48.045	48.264	0.2182
322	20	HDR unbiased	48.989	47.3	-1.6888
323	20	HDR unbiased	49.213	49.115	-0.0975
324	20	HDR unbiased	49.072	48.279	-0.7927
325	20	HDR unbiased	47.727	47.438	-0.2894
331	30	HDR unbiased	48.935	46.547	-2.3887
332	30	HDR unbiased	47.313	49.351	2.0383
333	30	HDR unbiased	48.754	46.365	-2.3888
334	30	HDR unbiased	47.734	46.773	-0.9616
335	30	HDR unbiased	49.249	47.782	-1.4674
351	50	HDR unbiased	49.992	48.967	-1.0242
352	50	HDR unbiased	49.372	47.657	-1.7154
353	50	HDR unbiased	47.424	46.565	-0.8591
354	50	HDR unbiased	48.812	45.6	-3.2116
355	50	HDR unbiased	48.157	47.121	-1.0359

TID vs Post - Pre Exposure Delta

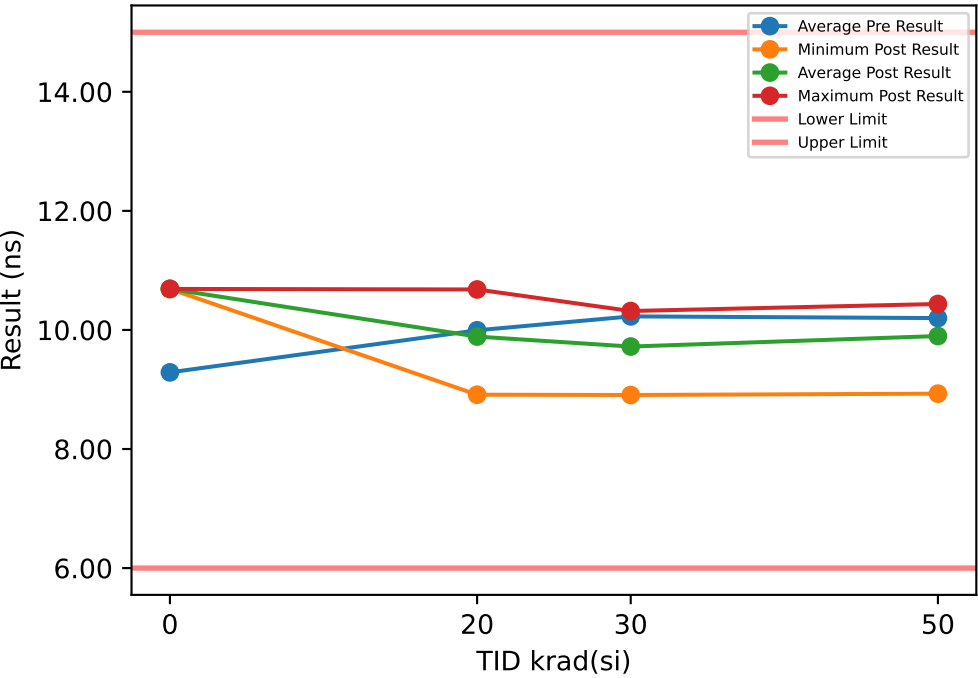


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.126	49.126	49.126		51.492	51.492	51.492		2.366	2.366	2.366	
20	46.126	48.276	49.474	1.0506	45.251	47.688	49.115	1.1477	-1.8675	-0.58807	0.2709	0.77812
30	46.581	48.655	50.541	1.1764	45.693	47.754	50.558	1.5389	-2.3888	-0.90048	2.0383	1.3126
50	47.424	49.084	50.121	1.0333	45.6	47.41	48.967	1.1081	-3.2116	-1.674	-0.8591	0.66124

Device Test: 96.30 T_RHL_SMALL(_DHL Dead Time Small 2MHz VIN_12V)

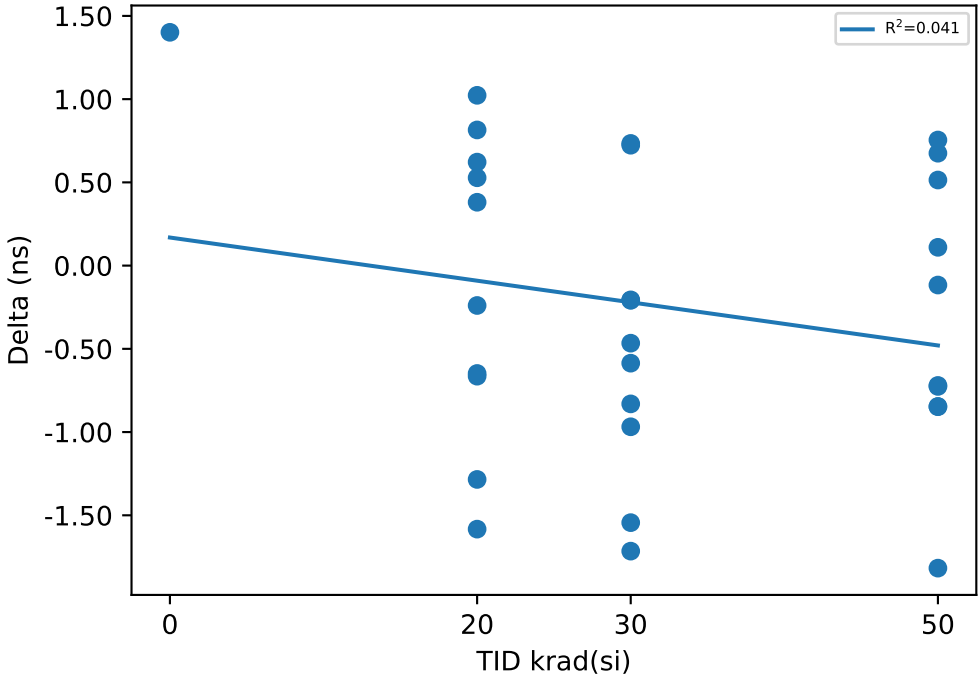
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.2875	10.689	1.4015
121	20	HDR biased	9.597	10.219	0.6217
122	20	HDR biased	10.495	8.9123	-1.5831
123	20	HDR biased	9.5978	9.9784	0.3806
124	20	HDR biased	10.731	10.067	-0.6643
125	20	HDR biased	9.4707	9.2312	-0.2395
131	30	HDR biased	10.849	10.018	-0.8307
132	30	HDR biased	9.3733	8.9073	-0.466
133	30	HDR biased	9.5484	9.3399	-0.2085
134	30	HDR biased	11.139	10.171	-0.9682
135	30	HDR biased	9.1352	9.8692	0.734
151	50	HDR biased	10.965	10.245	-0.7199
152	50	HDR biased	9.0465	8.9298	-0.1167
153	50	HDR biased	11.282	10.436	-0.8463
154	50	HDR biased	9.6597	9.7696	0.1099
155	50	HDR biased	10.966	10.118	-0.8474
321	20	HDR unbiased	9.797	10.325	0.5277
322	20	HDR unbiased	10.933	9.6489	-1.2845
323	20	HDR unbiased	9.8649	10.68	0.815
324	20	HDR unbiased	10.508	9.8603	-0.648
325	20	HDR unbiased	8.9411	9.9641	1.023
331	30	HDR unbiased	11.088	9.3722	-1.7153
332	30	HDR unbiased	9.3009	10.024	0.7232
333	30	HDR unbiased	11.255	9.7109	-1.5441
334	30	HDR unbiased	9.6846	9.4787	-0.2059
335	30	HDR unbiased	10.904	10.318	-0.5861
351	50	HDR unbiased	9.4176	9.9318	0.5142
352	50	HDR unbiased	10.976	10.25	-0.7258
353	50	HDR unbiased	9.3144	9.9896	0.6752
354	50	HDR unbiased	11.052	9.2345	-1.8174
355	50	HDR unbiased	9.313	10.068	0.7545

TID vs Post - Pre Exposure Delta

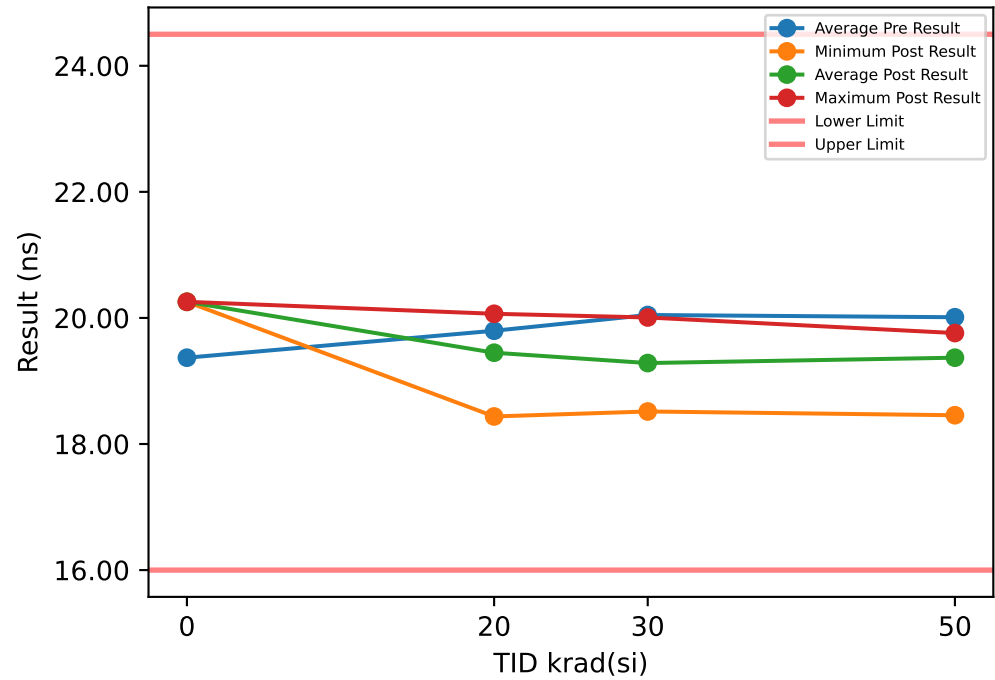


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.2875	9.2875	9.2875		10.689	10.689	10.689		1.4015	1.4015	1.4015	
20	8.9411	9.9937	10.933	0.64071	8.9123	9.8886	10.68	0.51796	-1.5831	-0.10514	1.023	0.91194
30	9.1352	10.228	11.255	0.88242	8.9073	9.721	10.318	0.44082	-1.7153	-0.50676	0.734	0.82288
50	9.0465	10.199	11.282	0.91143	8.9298	9.8972	10.436	0.47315	-1.8174	-0.30197	0.7545	0.82904

Device Test: 96.31 T_RHL_MID(_DHL Dead Time Mid 2MHz VIN_12V)

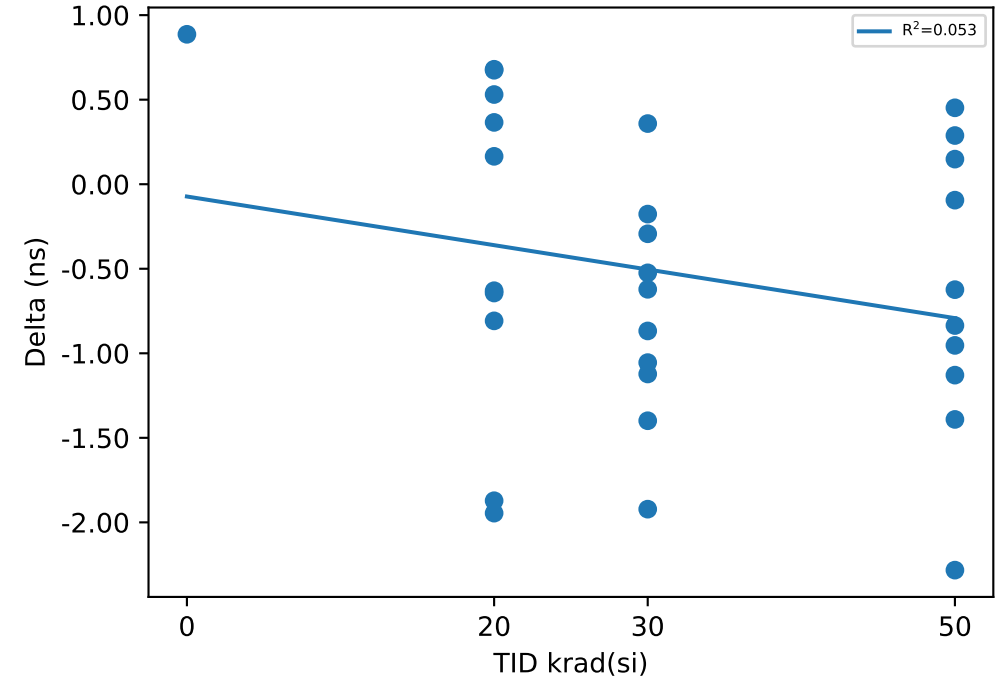
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.369	20.256	0.8866
121	20	HDR biased	19.268	19.798	0.5305
122	20	HDR biased	20.572	18.627	-1.9454
123	20	HDR biased	19.119	19.284	0.1649
124	20	HDR biased	20.249	19.619	-0.6299
125	20	HDR biased	19.081	18.437	-0.6435
131	30	HDR biased	20.51	19.455	-1.0551
132	30	HDR biased	19.138	18.516	-0.6215
133	30	HDR biased	19.467	18.943	-0.5242
134	30	HDR biased	20.859	19.737	-1.1223
135	30	HDR biased	18.795	19.154	0.3587
151	50	HDR biased	20.8	19.671	-1.1292
152	50	HDR biased	19.395	19.3	-0.0943
153	50	HDR biased	20.534	19.698	-0.8358
154	50	HDR biased	19.08	18.456	-0.6236
155	50	HDR biased	20.57	19.616	-0.9533
321	20	HDR unbiased	19.698	20.064	0.3656
322	20	HDR unbiased	20.888	19.016	-1.872
323	20	HDR unbiased	19.392	20.066	0.6741
324	20	HDR unbiased	20.523	19.715	-0.8082
325	20	HDR unbiased	19.177	19.856	0.6799
331	30	HDR unbiased	20.746	18.824	-1.9219
332	30	HDR unbiased	19.414	19.12	-0.2931
333	30	HDR unbiased	21.126	19.727	-1.3989
334	30	HDR unbiased	19.536	19.359	-0.1767
335	30	HDR unbiased	20.875	20.007	-0.8678
351	50	HDR unbiased	19.169	19.457	0.288
352	50	HDR unbiased	21.151	19.76	-1.3911
353	50	HDR unbiased	19.335	19.483	0.1484
354	50	HDR unbiased	21.132	18.849	-2.2825
355	50	HDR unbiased	18.948	19.4	0.4519

TID vs Post - Pre Exposure Delta

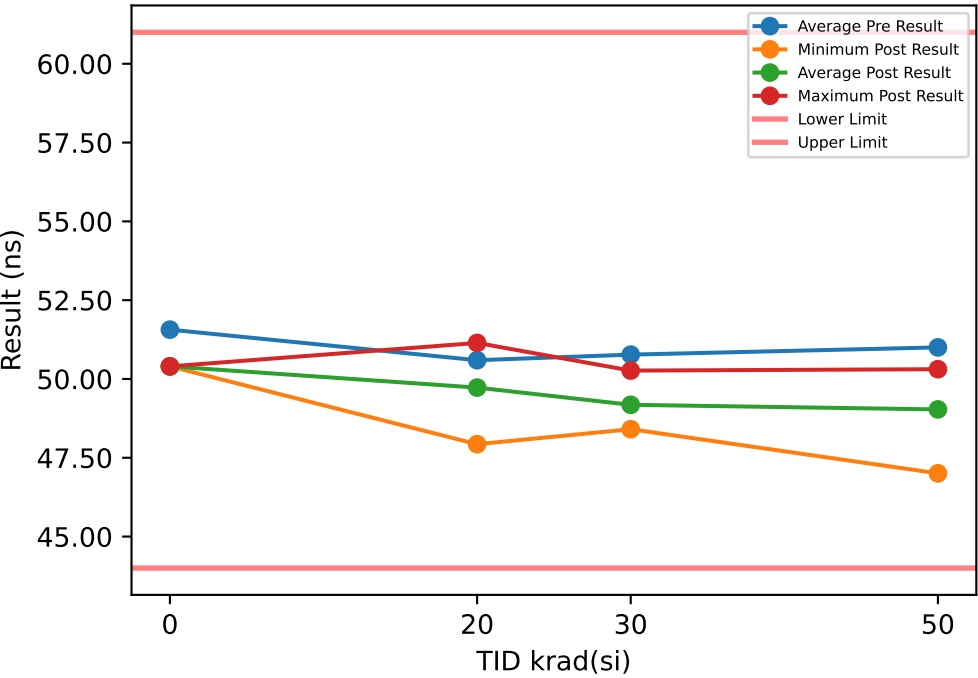


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.369	19.369	19.369		20.256	20.256	20.256		0.8866	0.8866	0.8866	
20	19.081	19.797	20.888	0.69401	18.437	19.448	20.066	0.58325	-1.9454	-0.3484	0.6799	0.99433
30	18.795	20.047	21.126	0.85671	18.516	19.284	20.007	0.46201	-1.9219	-0.76228	0.3587	0.65597
50	18.948	20.011	21.151	0.901	18.456	19.369	19.76	0.41408	-2.2825	-0.64215	0.4519	0.85705

Device Test: 96.32 T_RHL_LARGE(_DHL Dead Time Large 2MHz VIN_12V)

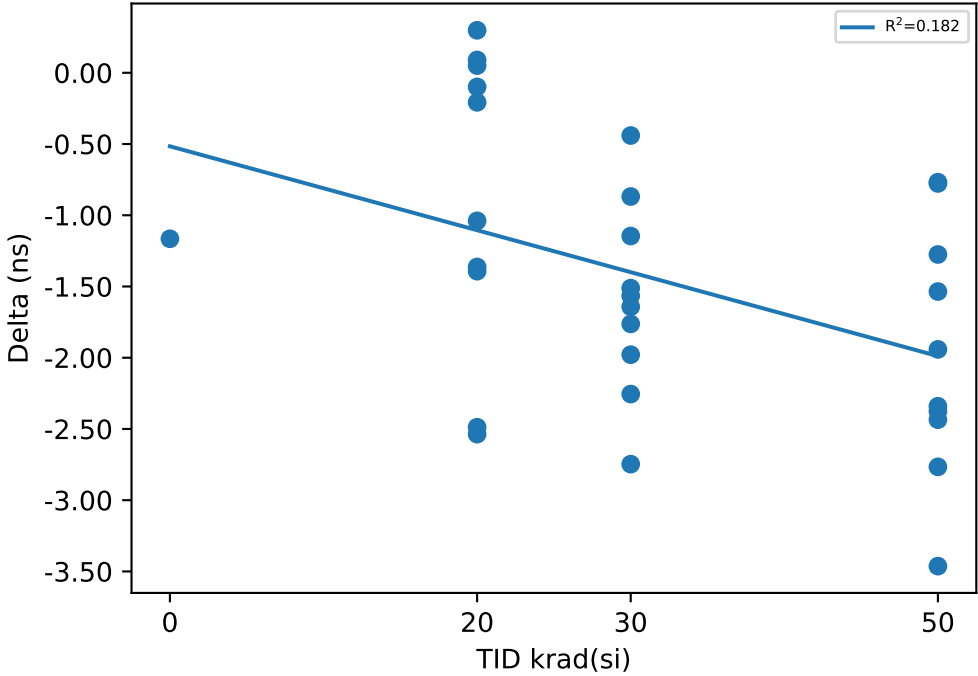
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	51.565	50.4	-1.1651
121	20	HDR biased	49.894	49.945	0.0503
122	20	HDR biased	51.909	49.422	-2.4876
123	20	HDR biased	48.904	48.697	-0.2074
124	20	HDR biased	51.242	49.849	-1.3926
125	20	HDR biased	48.97	47.931	-1.0391
131	30	HDR biased	50.673	48.694	-1.9787
132	30	HDR biased	50.213	48.701	-1.5116
133	30	HDR biased	50.381	49.513	-0.8685
134	30	HDR biased	51.565	49.803	-1.7625
135	30	HDR biased	48.846	48.406	-0.4402
151	50	HDR biased	51.191	48.757	-2.4347
152	50	HDR biased	51.845	50.31	-1.5354
153	50	HDR biased	50.623	48.282	-2.3406
154	50	HDR biased	48.947	47.006	-1.9414
155	50	HDR biased	51.746	49.37	-2.3765
321	20	HDR unbiased	50.63	50.531	-0.0992
322	20	HDR unbiased	52.178	49.642	-2.5365
323	20	HDR unbiased	49.464	49.554	0.0901
324	20	HDR unbiased	51.912	50.549	-1.3629
325	20	HDR unbiased	50.845	51.143	0.2981
331	30	HDR unbiased	51.09	48.835	-2.2551
332	30	HDR unbiased	50.752	49.11	-1.642
333	30	HDR unbiased	52.23	49.483	-2.747
334	30	HDR unbiased	50.139	48.993	-1.1458
335	30	HDR unbiased	51.832	50.266	-1.5655
351	50	HDR unbiased	49.883	49.116	-0.7677
352	50	HDR unbiased	52.786	50.02	-2.766
353	50	HDR unbiased	50.627	49.352	-1.2753
354	50	HDR unbiased	53.195	49.732	-3.4628
355	50	HDR unbiased	49.172	48.395	-0.7768

TID vs Post - Pre Exposure Delta

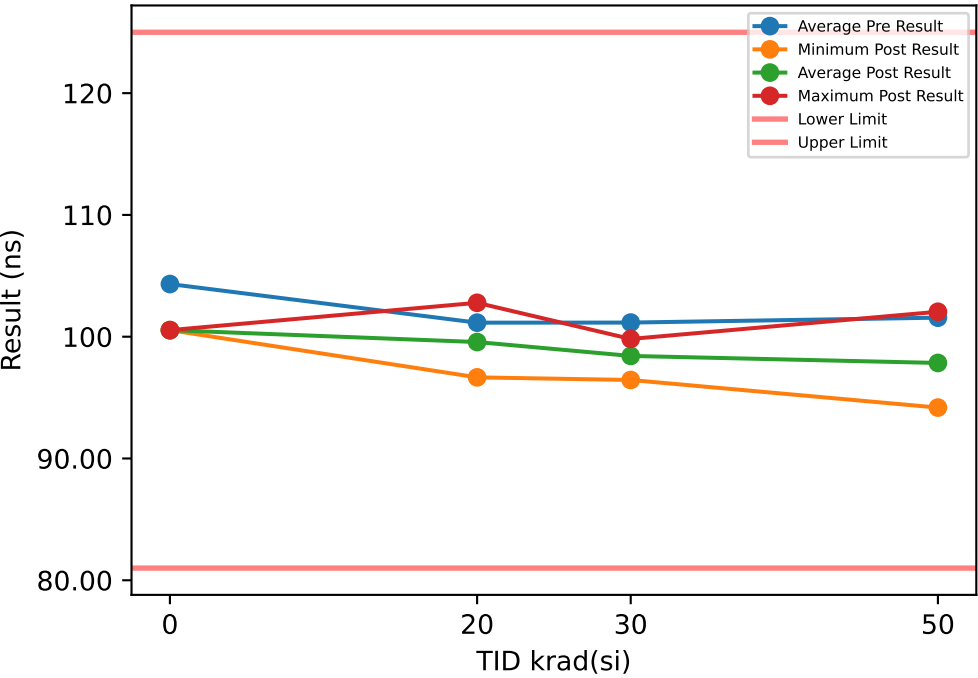


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	51.565	51.565	51.565		50.4	50.4	50.4		-1.1651	-1.1651	-1.1651	
20	48.904	50.595	52.178	1.2346	47.931	49.726	51.143	0.93138	-2.5365	-0.86868	0.2981	1.0596
30	48.846	50.772	52.23	0.97556	48.406	49.18	50.266	0.57673	-2.747	-1.5917	-0.4402	0.6676
50	48.947	51.002	53.195	1.4298	47.006	49.034	50.31	0.97016	-3.4628	-1.9677	-0.7677	0.877

Device Test: 96.33 T_RHL_MAX(_DHL Dead Time Max 2MHz VIN_12V)

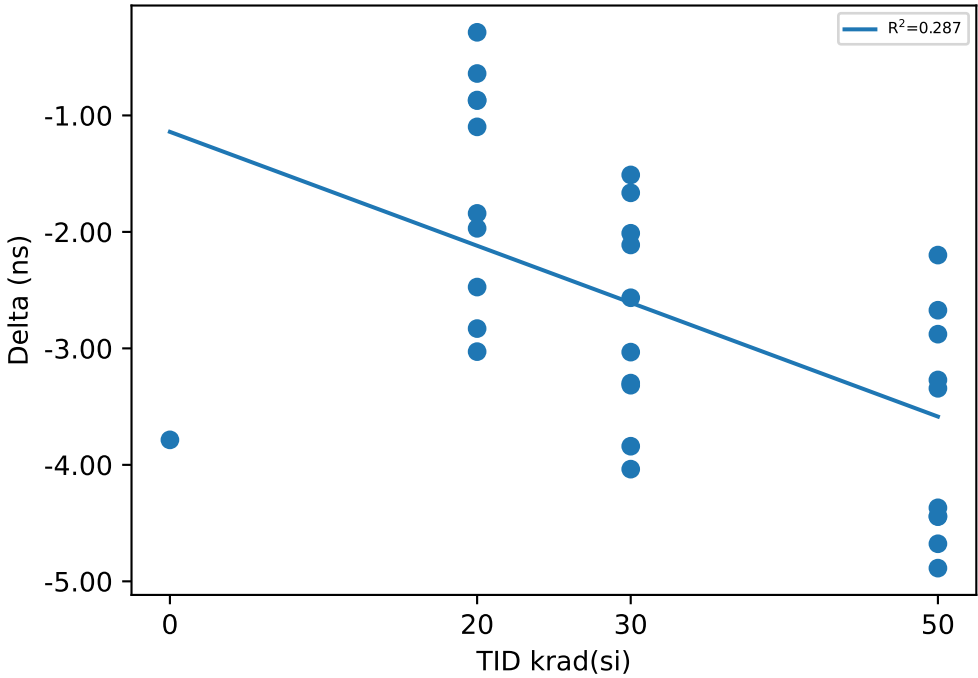
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	104.32	100.54	-3.7854
121	20	HDR biased	100.2	99.337	-0.8681
122	20	HDR biased	103.91	100.88	-3.0279
123	20	HDR biased	98.013	96.915	-1.0982
124	20	HDR biased	101.71	99.237	-2.4736
125	20	HDR biased	98.503	96.662	-1.8411
131	30	HDR biased	100.49	97.17	-3.3162
132	30	HDR biased	101.03	98.916	-2.112
133	30	HDR biased	100.64	98.979	-1.6645
134	30	HDR biased	102.47	99.171	-3.2981
135	30	HDR biased	97.957	96.446	-1.5109
151	50	HDR biased	100.13	95.761	-4.3688
152	50	HDR biased	104.93	102.05	-2.878
153	50	HDR biased	99.615	95.174	-4.4407
154	50	HDR biased	97.523	94.18	-3.3429
155	50	HDR biased	102.53	97.849	-4.6775
321	20	HDR unbiased	100.81	100.17	-0.6401
322	20	HDR unbiased	103.44	100.61	-2.83
323	20	HDR unbiased	98.782	97.91	-0.8726
324	20	HDR unbiased	103.08	101.11	-1.9694
325	20	HDR unbiased	103.07	102.78	-0.2864
331	30	HDR unbiased	101.03	97.186	-3.84
332	30	HDR unbiased	101.47	98.907	-2.5654
333	30	HDR unbiased	103.11	99.078	-4.0369
334	30	HDR unbiased	100.56	98.544	-2.0117
335	30	HDR unbiased	102.85	99.816	-3.0321
351	50	HDR unbiased	100.48	97.811	-2.6724
352	50	HDR unbiased	104.62	100.18	-4.4447
353	50	HDR unbiased	101.61	98.337	-3.2711
354	50	HDR unbiased	105.92	101.03	-4.8867
355	50	HDR unbiased	98.28	96.081	-2.199

TID vs Post - Pre Exposure Delta

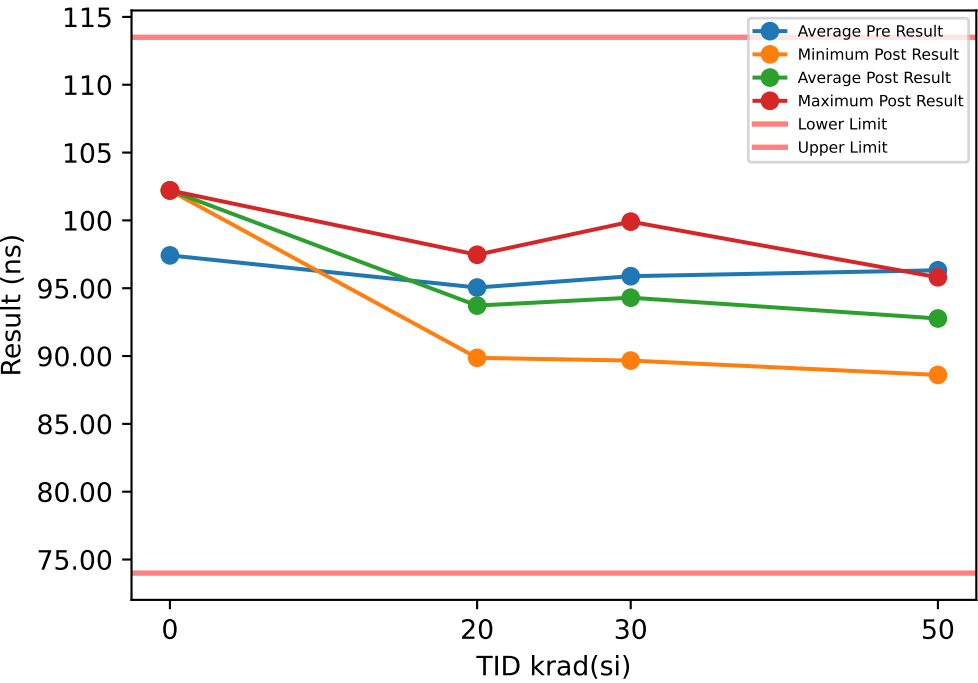


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	104.32	104.32	104.32		100.54	100.54	100.54		-3.7854	-3.7854	-3.7854	
20	98.013	101.15	103.91	2.2122	96.662	99.562	102.78	1.9523	-3.0279	-1.5907	-0.2864	0.97024
30	97.957	101.16	103.11	1.4856	96.446	98.421	99.816	1.0924	-4.0369	-2.7388	-1.5109	0.89712
50	97.523	101.56	105.92	2.8806	94.18	97.845	102.05	2.6146	-4.8867	-3.7182	-2.199	0.95493

Device Test: 96.4 T_RLH_MAX(_DLH Dead Time Max 500kHz VIN_12V)

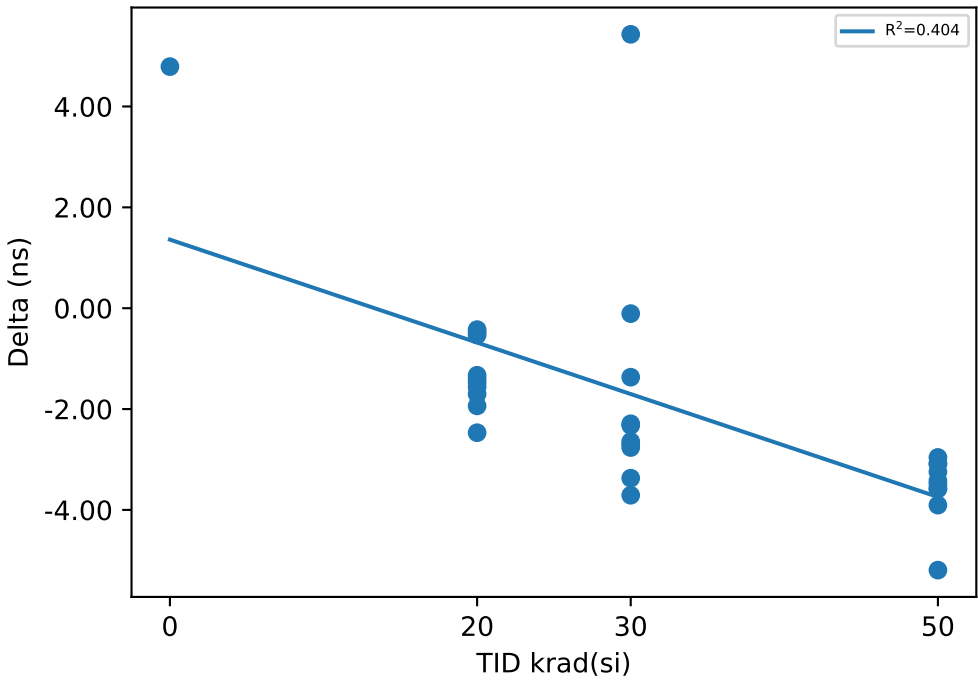
TID vs Result Stats



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	97.421	102.21	4.7907
121	20	HDR biased	94.376	93.951	-0.4248
122	20	HDR biased	92.337	89.868	-2.4688
123	20	HDR biased	90.503	90.027	-0.4756
124	20	HDR biased	96.25	94.684	-1.566
125	20	HDR biased	97.293	95.819	-1.4737
131	30	HDR biased	100.01	99.907	-0.1073
132	30	HDR biased	91.959	89.667	-2.2919
133	30	HDR biased	95.629	92.866	-2.7627
134	30	HDR biased	97.344	95.02	-2.3236
135	30	HDR biased	97.958	96.59	-1.3679
151	50	HDR biased	97.267	93.781	-3.4861
152	50	HDR biased	92.189	88.608	-3.5816
153	50	HDR biased	98.072	94.495	-3.5775
154	50	HDR biased	99.711	95.806	-3.9052
155	50	HDR biased	97.394	93.973	-3.4209
321	20	HDR unbiased	93.51	92.979	-0.5308
322	20	HDR unbiased	96.492	94.554	-1.9372
323	20	HDR unbiased	98.869	97.467	-1.4022
324	20	HDR unbiased	96.201	94.498	-1.7026
325	20	HDR unbiased	94.681	93.351	-1.3297
331	30	HDR unbiased	95.322	91.951	-3.3703
332	30	HDR unbiased	93.518	98.95	5.4313
333	30	HDR unbiased	95.028	91.32	-3.7089
334	30	HDR unbiased	94.558	91.913	-2.6443
335	30	HDR unbiased	97.536	94.833	-2.7028
351	50	HDR unbiased	98.168	95.082	-3.0857
352	50	HDR unbiased	96.256	93.011	-3.245
353	50	HDR unbiased	93.627	90.546	-3.0817
354	50	HDR unbiased	95.385	90.191	-5.194
355	50	HDR unbiased	95.162	92.203	-2.9593

TID vs Post - Pre Exposure Delta

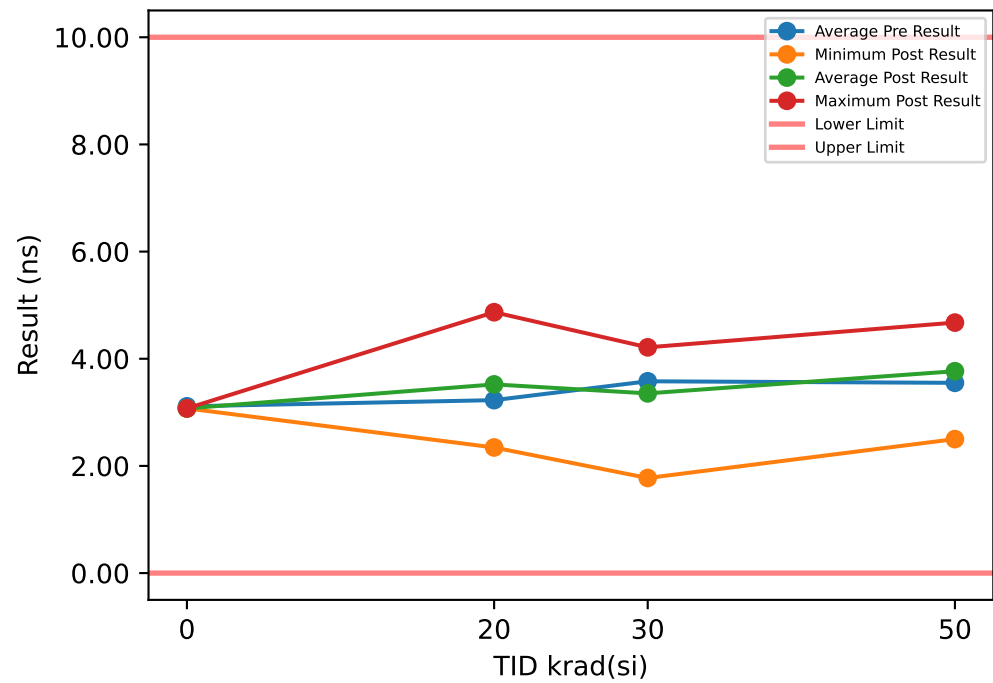


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.421	97.421	97.421		102.21	102.21	102.21		4.7907	4.7907	4.7907	
20	90.503	95.051	98.869	2.4822	89.868	93.72	97.467	2.3543	-2.4688	-1.3311	-0.4248	0.67281
30	91.959	95.887	100.01	2.3593	89.667	94.302	99.907	3.3784	-3.7089	-1.5848	5.4313	2.6659
50	92.189	96.323	99.711	2.2746	88.608	92.77	95.806	2.3407	-5.194	-3.5537	-2.9593	0.64361

Device Test: 96.5 T_RLH_MIN(_DLH Dead Time Min 1MHz VIN_12V)

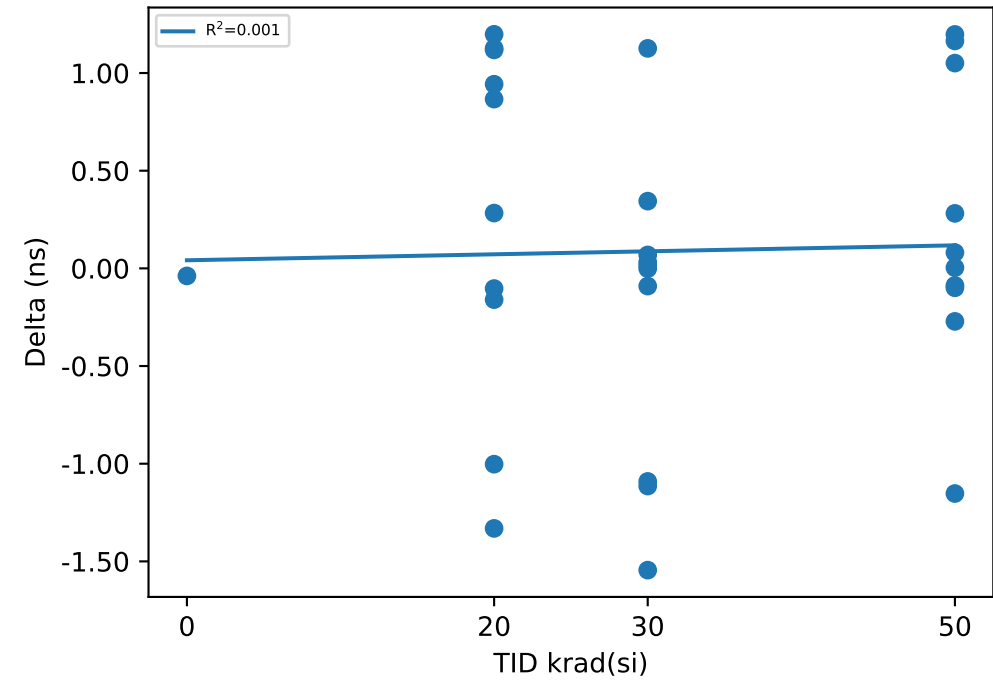
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.1121	3.0735	-0.0386
121	20	HDR biased	3.5238	4.4664	0.9426
122	20	HDR biased	4.2361	2.905	-1.3311
123	20	HDR biased	3.6704	4.8686	1.1982
124	20	HDR biased	4.2302	4.0701	-0.1601
125	20	HDR biased	2.0902	2.3733	0.2831
131	30	HDR biased	3.4528	3.4515	-0.0013
132	30	HDR biased	3.142	3.4862	0.3442
133	30	HDR biased	3.2143	3.2302	0.0159
134	30	HDR biased	4.1443	4.2131	0.0688
135	30	HDR biased	2.9919	4.1181	1.1262
151	50	HDR biased	4.7623	4.6749	-0.0874
152	50	HDR biased	3.9379	3.9415	0.0036
153	50	HDR biased	3.5957	3.6765	0.0808
154	50	HDR biased	2.7327	3.0142	0.2815
155	50	HDR biased	4.4855	4.2141	-0.2714
321	20	HDR unbiased	3.3327	4.4511	1.1184
322	20	HDR unbiased	3.3465	2.3441	-1.0024
323	20	HDR unbiased	1.4423	2.5689	1.1266
324	20	HDR unbiased	3.6109	3.5076	-0.1033
325	20	HDR unbiased	2.7914	3.6578	0.8664
331	30	HDR unbiased	4.1167	3.0024	-1.1143
332	30	HDR unbiased	3.3193	1.7745	-1.5448
333	30	HDR unbiased	5.0169	3.9262	-1.0907
334	30	HDR unbiased	2.8712	2.9031	0.0319
335	30	HDR unbiased	3.5246	3.4339	-0.0907
351	50	HDR unbiased	2.4355	3.4863	1.0508
352	50	HDR unbiased	3.9395	3.8401	-0.0994
353	50	HDR unbiased	3.3099	4.4741	1.1642
354	50	HDR unbiased	3.6528	2.5002	-1.1526
355	50	HDR unbiased	2.6551	3.8527	1.1976

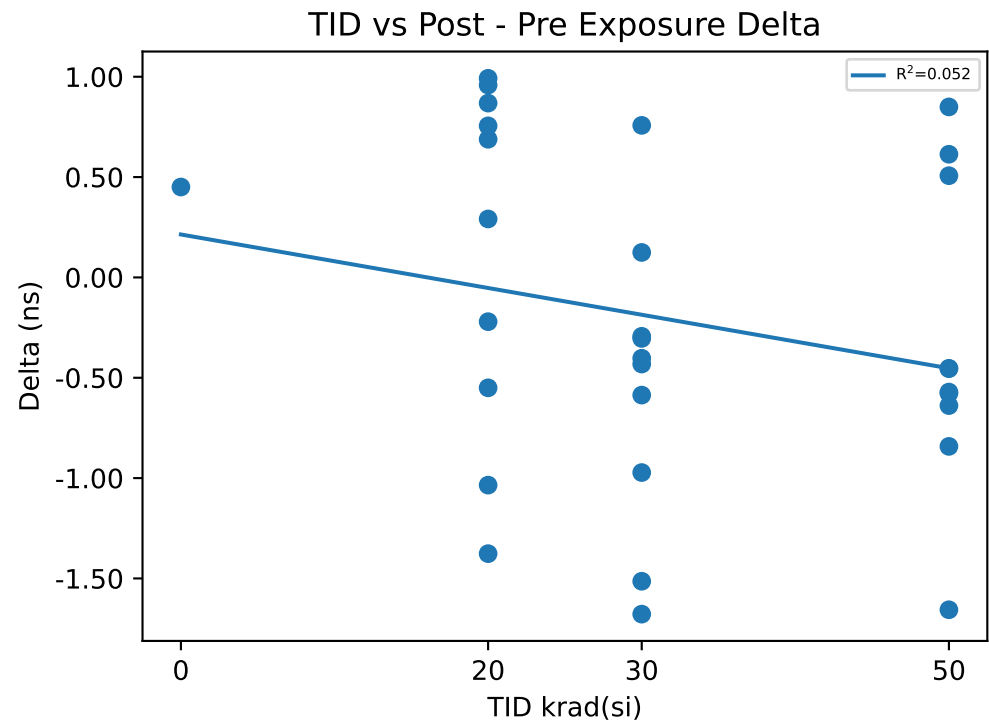
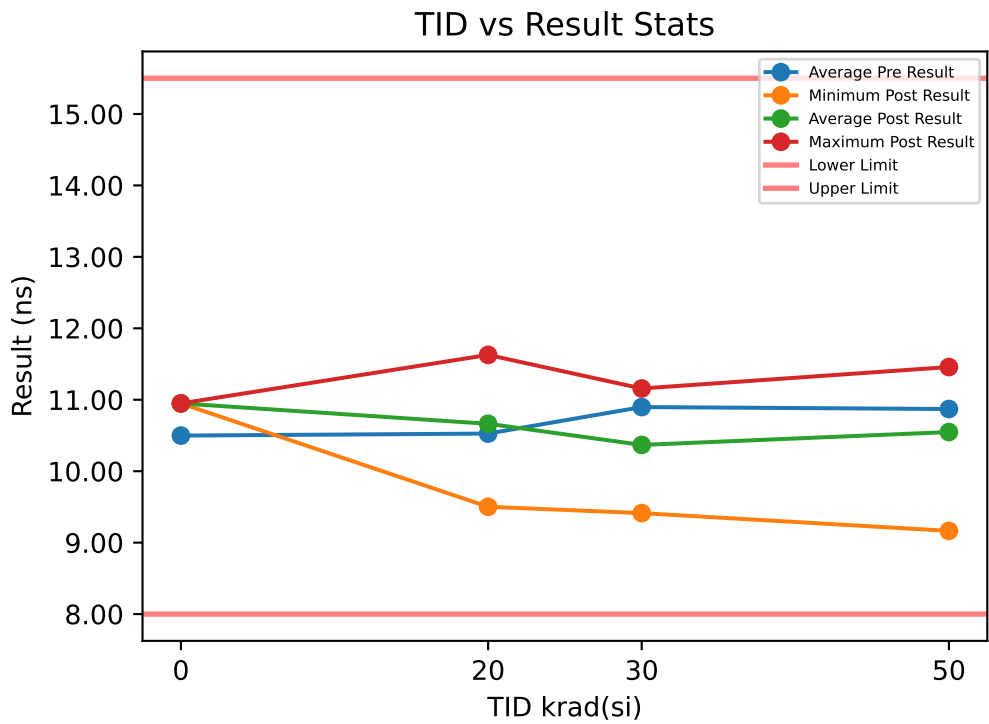
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1121	3.1121	3.1121		3.0735	3.0735	3.0735		-0.0386	-0.0386	-0.0386	
20	1.4423	3.2274	4.2361	0.89128	2.3441	3.5213	4.8686	0.93592	-1.3311	0.29384	1.1982	0.92042
30	2.8712	3.5794	5.0169	0.66099	1.7745	3.3539	4.2131	0.70866	-1.5448	-0.22548	1.1262	0.79654
50	2.4355	3.5507	4.7623	0.77662	2.5002	3.7675	4.6749	0.65199	-1.1526	0.21677	1.1976	0.74007

Device Test: 96.6 T_RLH_SMALL(_DLH Dead Time Small 1MHz VIN_12V)



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

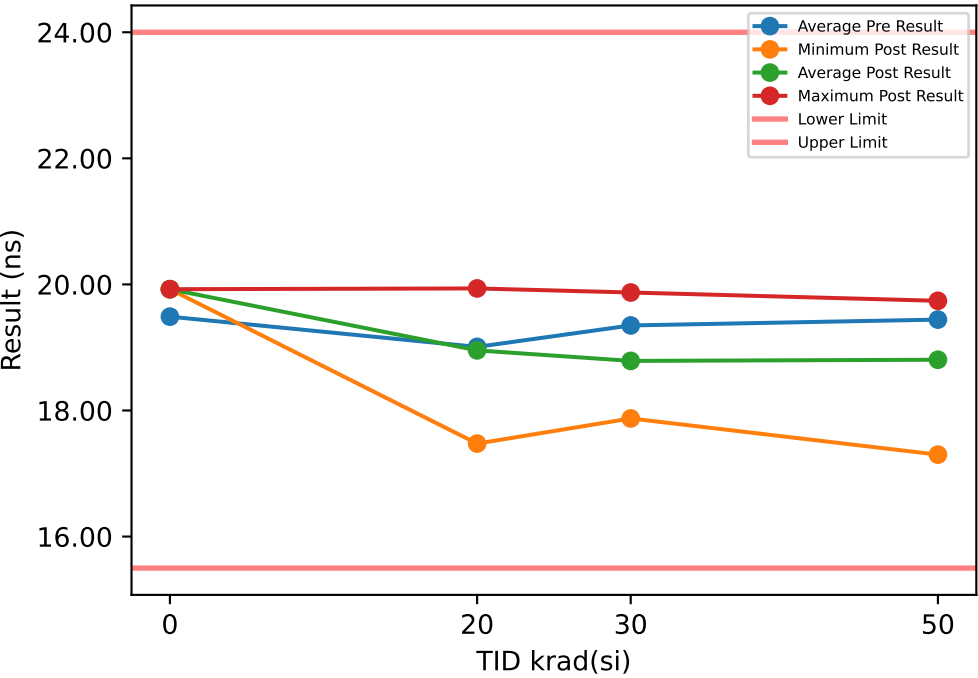
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.498	10.949	0.4505
121	20	HDR biased	10.699	11.567	0.8686
122	20	HDR biased	11.044	10.009	-1.035
123	20	HDR biased	10.635	11.628	0.9922
124	20	HDR biased	11.869	11.319	-0.5502
125	20	HDR biased	9.7127	10.004	0.2913
131	30	HDR biased	11.318	11.025	-0.2934
132	30	HDR biased	10.155	10.279	0.1245
133	30	HDR biased	10.712	10.28	-0.4316
134	30	HDR biased	11.462	11.158	-0.304
135	30	HDR biased	10.397	11.155	0.7577
151	50	HDR biased	12.029	11.458	-0.5713
152	50	HDR biased	10.908	10.066	-0.842
153	50	HDR biased	11.193	10.554	-0.6387
154	50	HDR biased	10.446	9.9931	-0.4531
155	50	HDR biased	11.691	11.113	-0.5775
321	20	HDR unbiased	10.438	11.397	0.9585
322	20	HDR unbiased	10.879	9.5021	-1.3765
323	20	HDR unbiased	9.2084	9.9637	0.7553
324	20	HDR unbiased	10.883	10.662	-0.2205
325	20	HDR unbiased	9.8968	10.585	0.6885
331	30	HDR unbiased	11.418	9.9045	-1.514
332	30	HDR unbiased	10.386	9.4134	-0.9724
333	30	HDR unbiased	11.939	10.261	-1.6779
334	30	HDR unbiased	10.091	9.6881	-0.4028
335	30	HDR unbiased	11.099	10.513	-0.5864
351	50	HDR unbiased	10.065	10.572	0.5069
352	50	HDR unbiased	11.108	10.654	-0.4545
353	50	HDR unbiased	10.322	11.172	0.8496
354	50	HDR unbiased	10.821	9.1647	-1.6561
355	50	HDR unbiased	10.12	10.733	0.6138

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.498	10.498	10.498		10.949	10.949	10.949		0.4505	0.4505	0.4505	
20	9.2084	10.527	11.869	0.75774	9.5021	10.664	11.628	0.77612	-1.3765	0.13722	0.9922	0.87661
30	10.091	10.898	11.939	0.63608	9.4134	10.368	11.158	0.6065	-1.6779	-0.53003	0.7577	0.72298
50	10.065	10.87	12.029	0.65603	9.1647	10.548	11.458	0.66971	-1.6561	-0.32229	0.8496	0.76363

Device Test: 96.7 T_RLH_MID(_DLH Dead Time Mid 1MHz VIN_12V)

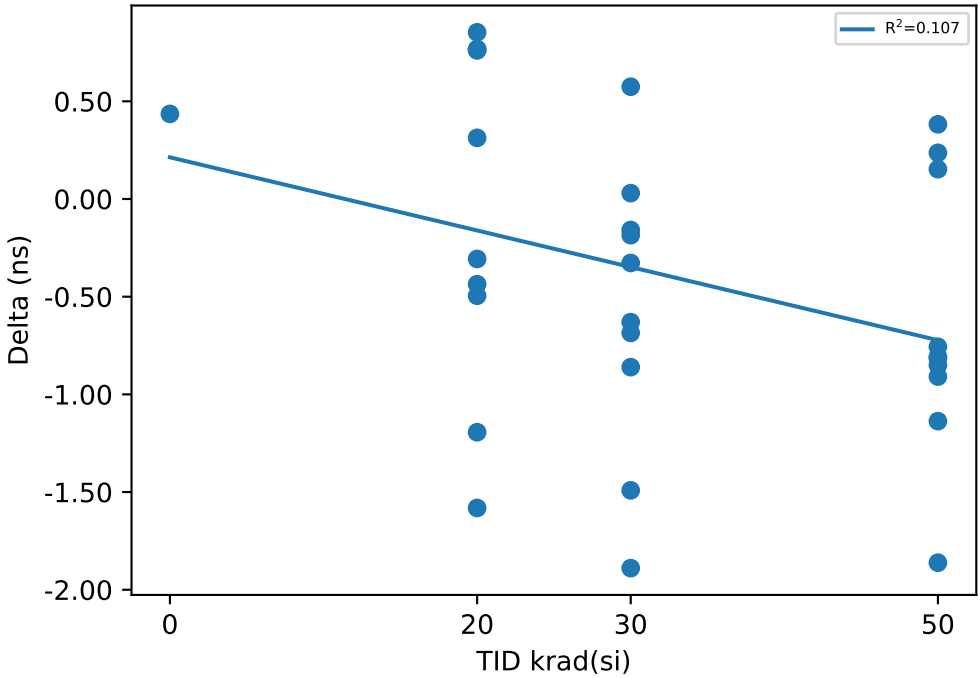
TID vs Result Stats



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.488	19.924	0.4356
121	20	HDR biased	19.169	19.936	0.7675
122	20	HDR biased	19.056	17.475	-1.5814
123	20	HDR biased	18.694	19.455	0.7607
124	20	HDR biased	20.19	19.695	-0.4951
125	20	HDR biased	18.475	18.168	-0.3069
131	30	HDR biased	20.03	19.872	-0.1586
132	30	HDR biased	18.099	17.913	-0.1852
133	30	HDR biased	19.195	18.509	-0.6854
134	30	HDR biased	19.935	19.607	-0.3275
135	30	HDR biased	19.027	19.602	0.5747
151	50	HDR biased	20.555	19.74	-0.8151
152	50	HDR biased	19.086	17.949	-1.1371
153	50	HDR biased	19.803	18.995	-0.8079
154	50	HDR biased	19.266	18.509	-0.7565
155	50	HDR biased	20.292	19.442	-0.8504
321	20	HDR unbiased	18.799	19.652	0.8532
322	20	HDR unbiased	19.521	18.327	-1.1938
323	20	HDR unbiased	18.061	18.826	0.765
324	20	HDR unbiased	19.728	19.292	-0.4362
325	20	HDR unbiased	18.399	18.712	0.313
331	30	HDR unbiased	19.977	18.485	-1.4913
332	30	HDR unbiased	18.731	18.761	0.03
333	30	HDR unbiased	20.272	18.382	-1.8894
334	30	HDR unbiased	18.504	17.874	-0.6302
335	30	HDR unbiased	19.722	18.861	-0.8608
351	50	HDR unbiased	19.025	19.261	0.2365
352	50	HDR unbiased	19.813	18.904	-0.9089
353	50	HDR unbiased	18.692	19.075	0.3823
354	50	HDR unbiased	19.161	17.3	-1.8616
355	50	HDR unbiased	18.725	18.877	0.1525

TID vs Post - Pre Exposure Delta

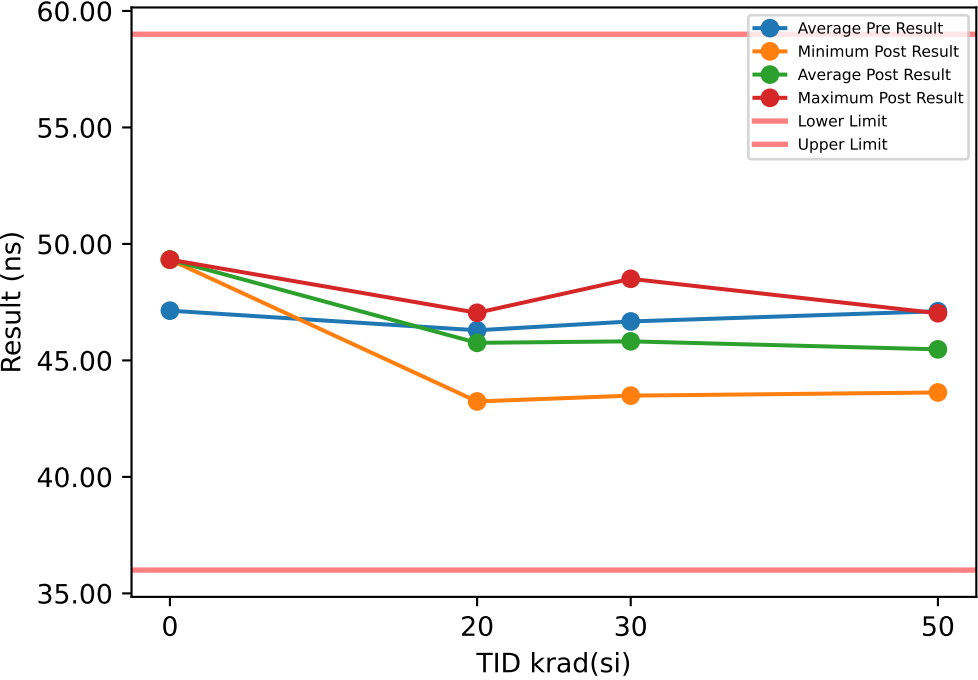


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.488	19.488	19.488		19.924	19.924	19.924		0.4356	0.4356	0.4356	
20	18.061	19.009	20.19	0.65837	17.475	18.954	19.936	0.7916	-1.5814	-0.0554	0.8532	0.88215
30	18.099	19.349	20.272	0.7438	17.874	18.787	19.872	0.70309	-1.8894	-0.56237	0.5747	0.72549
50	18.692	19.442	20.555	0.64265	17.3	18.805	19.74	0.72254	-1.8616	-0.63662	0.3823	0.69679

Device Test: 96.8 T_RLH_LARGE(_DLH Dead Time Large 1MHz VIN_12V)

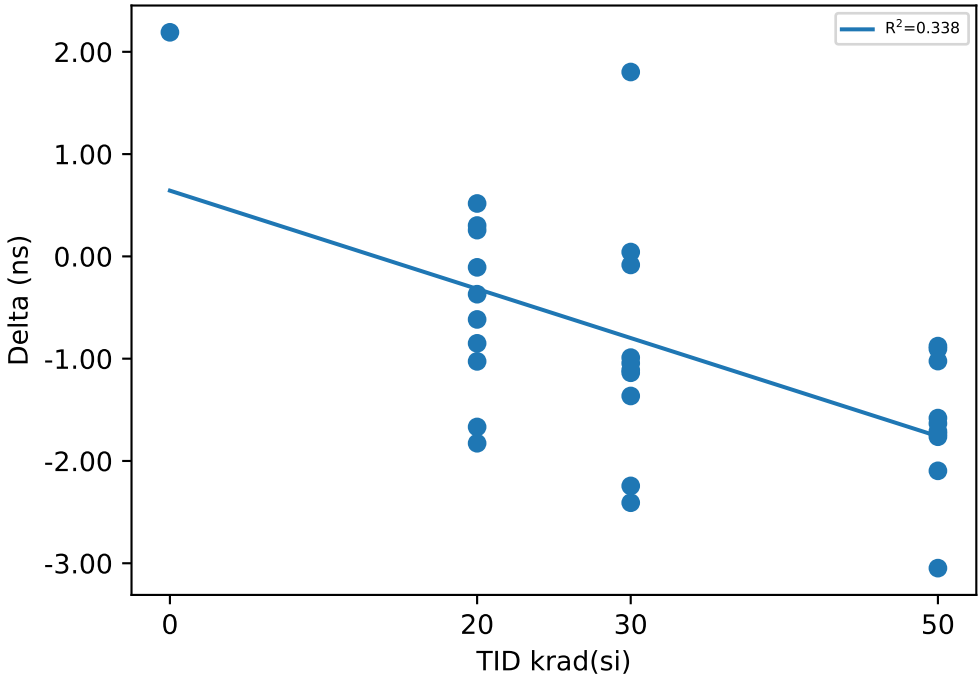
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	47.135	49.326	2.1907
121	20	HDR biased	46.352	46.654	0.3019
122	20	HDR biased	45.065	43.239	-1.8269
123	20	HDR biased	44.029	44.547	0.5173
124	20	HDR biased	47.567	46.541	-1.0264
125	20	HDR biased	46.623	46.007	-0.6163
131	30	HDR biased	48.586	48.503	-0.0834
132	30	HDR biased	44.478	43.488	-0.9896
133	30	HDR biased	46.575	45.465	-1.1105
134	30	HDR biased	47.704	46.567	-1.1376
135	30	HDR biased	46.964	47.006	0.0425
151	50	HDR biased	48.429	46.333	-2.0964
152	50	HDR biased	45.557	43.823	-1.7349
153	50	HDR biased	47.732	46.151	-1.5808
154	50	HDR biased	47.76	46.05	-1.7097
155	50	HDR biased	47.774	46.141	-1.6333
321	20	HDR unbiased	46.051	46.308	0.2567
322	20	HDR unbiased	47.077	45.409	-1.6675
323	20	HDR unbiased	47.152	47.044	-0.1071
324	20	HDR unbiased	47.277	46.427	-0.85
325	20	HDR unbiased	45.743	45.373	-0.3697
331	30	HDR unbiased	46.967	44.559	-2.4082
332	30	HDR unbiased	45.448	47.25	1.8026
333	30	HDR unbiased	46.923	44.679	-2.2438
334	30	HDR unbiased	45.845	44.801	-1.044
335	30	HDR unbiased	47.234	45.87	-1.3646
351	50	HDR unbiased	47.928	47.024	-0.9043
352	50	HDR unbiased	47.509	45.746	-1.7631
353	50	HDR unbiased	45.463	44.586	-0.8771
354	50	HDR unbiased	46.672	43.624	-3.0477
355	50	HDR unbiased	46.294	45.27	-1.0236

TID vs Post - Pre Exposure Delta

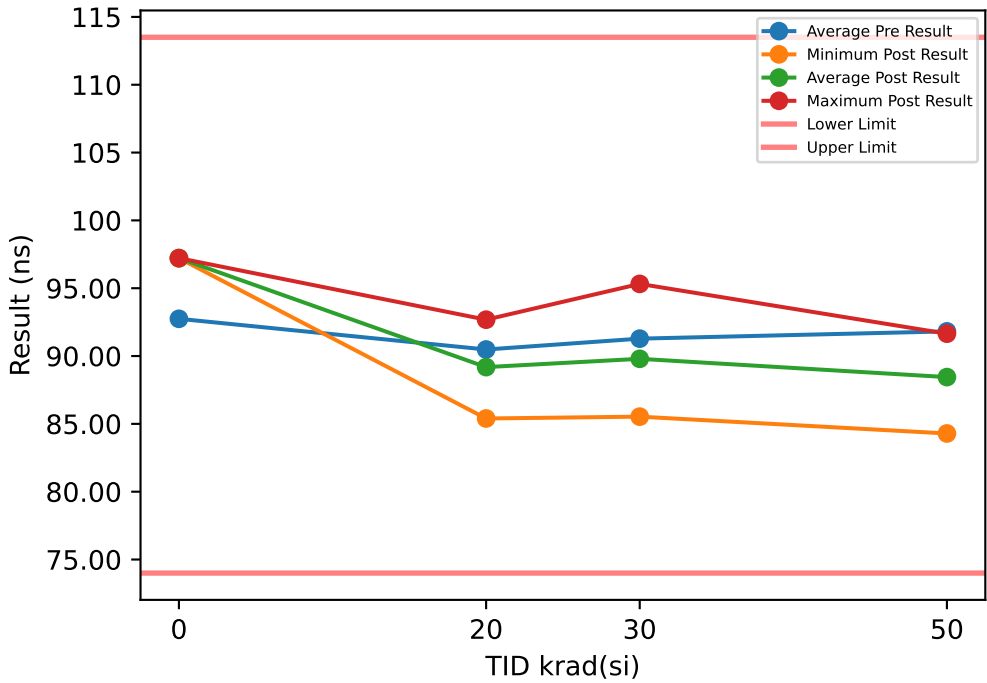


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.135	47.135	47.135		49.326	49.326	49.326		2.1907	2.1907	2.1907	
20	44.029	46.294	47.567	1.1078	43.239	45.755	47.044	1.1531	-1.8269	-0.5388	0.5173	0.81266
30	44.478	46.672	48.586	1.1685	43.488	45.819	48.503	1.5167	-2.4082	-0.85366	1.8026	1.214
50	45.463	47.112	48.429	1.0435	43.624	45.475	47.024	1.1269	-3.0477	-1.6371	-0.8771	0.6434

Device Test: 96.9 T_RLH_MAX(_DLH Dead Time Max 1MHz VIN_12V)

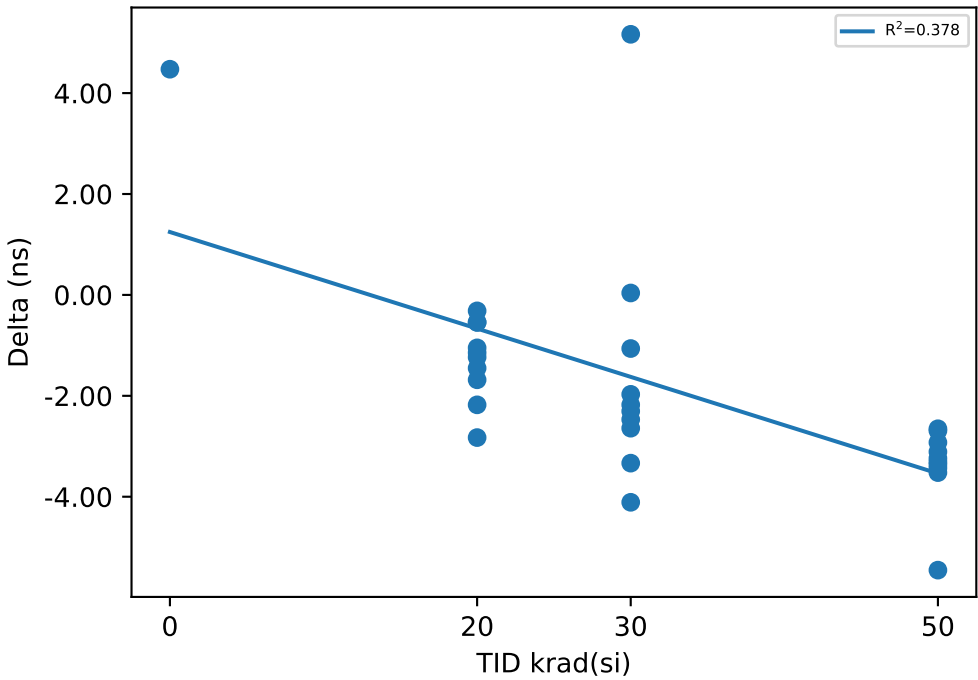
TID vs Result Stats



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	92.744	97.217	4.4733
121	20	HDR biased	89.938	89.622	-0.3162
122	20	HDR biased	88.225	85.397	-2.8277
123	20	HDR biased	86.055	85.515	-0.54
124	20	HDR biased	91.696	90.244	-1.4514
125	20	HDR biased	92.312	91.263	-1.0494
131	30	HDR biased	95.28	95.318	0.0384
132	30	HDR biased	87.503	85.532	-1.9706
133	30	HDR biased	90.731	88.553	-2.1777
134	30	HDR biased	92.808	90.503	-2.3047
135	30	HDR biased	93.044	91.981	-1.0627
151	50	HDR biased	93.013	89.491	-3.5219
152	50	HDR biased	87.653	84.292	-3.3613
153	50	HDR biased	93.51	90.202	-3.3082
154	50	HDR biased	94.758	91.648	-3.1097
155	50	HDR biased	93.064	89.633	-3.4312
321	20	HDR unbiased	89.107	88.561	-0.5455
322	20	HDR unbiased	91.812	89.633	-2.1786
323	20	HDR unbiased	93.826	92.68	-1.1453
324	20	HDR unbiased	91.786	90.104	-1.6821
325	20	HDR unbiased	90.062	88.827	-1.235
331	30	HDR unbiased	90.733	87.398	-3.3344
332	30	HDR unbiased	89.087	94.253	5.1653
333	30	HDR unbiased	90.829	86.718	-4.1103
334	30	HDR unbiased	89.996	87.355	-2.6415
335	30	HDR unbiased	92.811	90.343	-2.4688
351	50	HDR unbiased	93.391	90.738	-2.653
352	50	HDR unbiased	91.942	88.703	-3.2392
353	50	HDR unbiased	89.053	86.128	-2.9248
354	50	HDR unbiased	91.166	85.711	-5.455
355	50	HDR unbiased	90.626	87.934	-2.6925

TID vs Post - Pre Exposure Delta

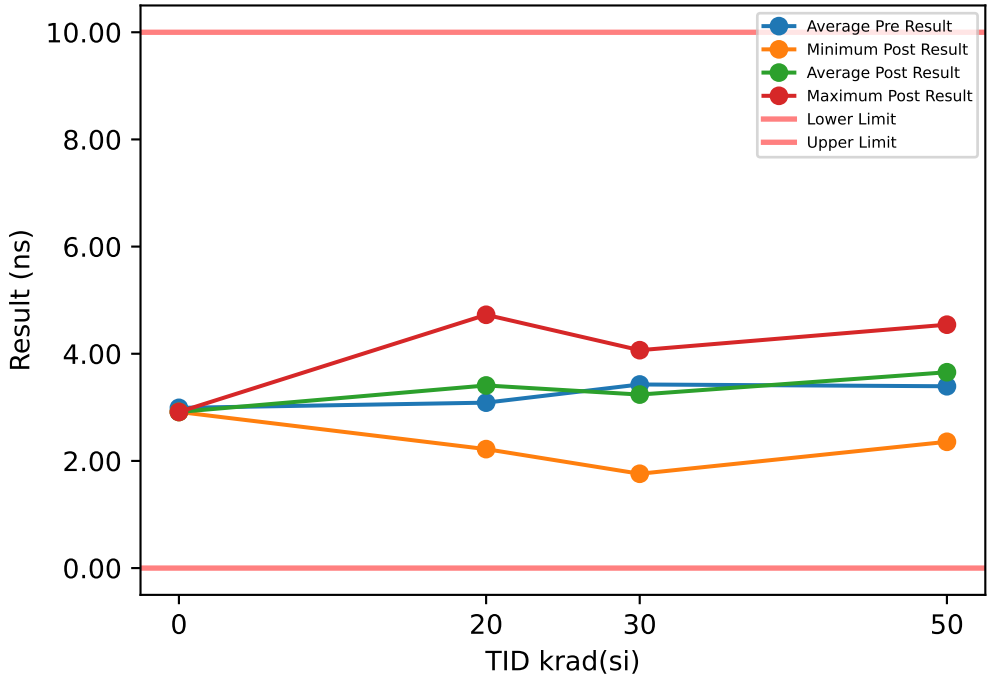


Test Statistics (ns)

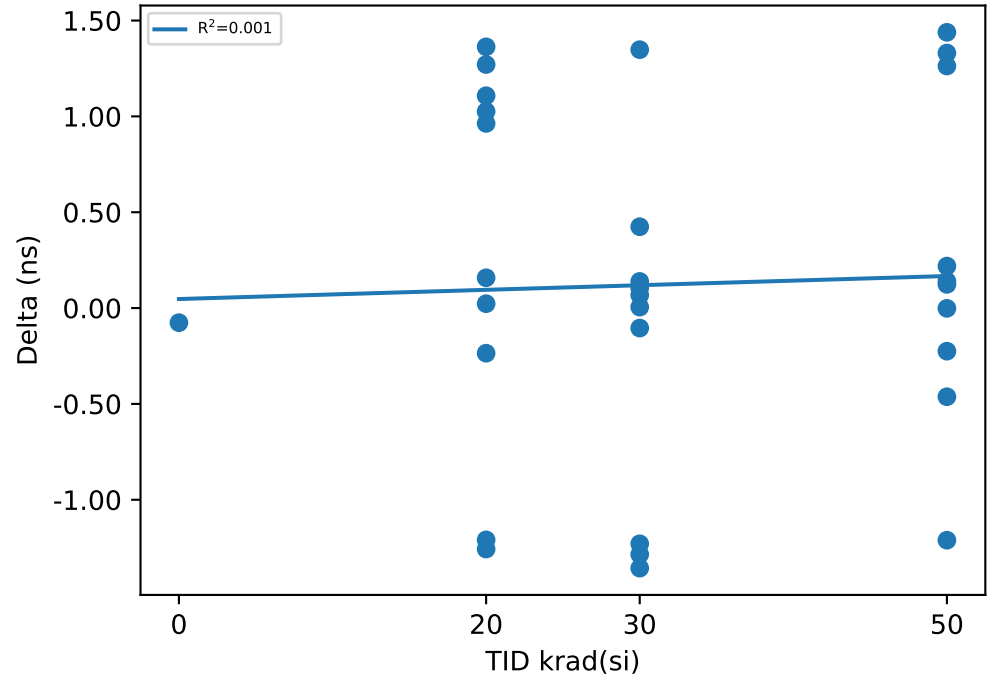
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	92.744	92.744	92.744		97.217	97.217	97.217		4.4733	4.4733	4.4733	
20	86.055	90.482	93.826	2.2738	85.397	89.185	92.68	2.2908	-2.8277	-1.2971	-0.3162	0.78034
30	87.503	91.282	95.28	2.2439	85.532	89.796	95.318	3.2801	-4.1103	-1.4867	5.1653	2.5977
50	87.653	91.818	94.758	2.2064	84.292	88.448	91.648	2.3928	-5.455	-3.3697	-2.653	0.79121

Device Test: 97.0 T_RLH_MIN(_DLH Dead Time Min 500kHz VIN_14V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

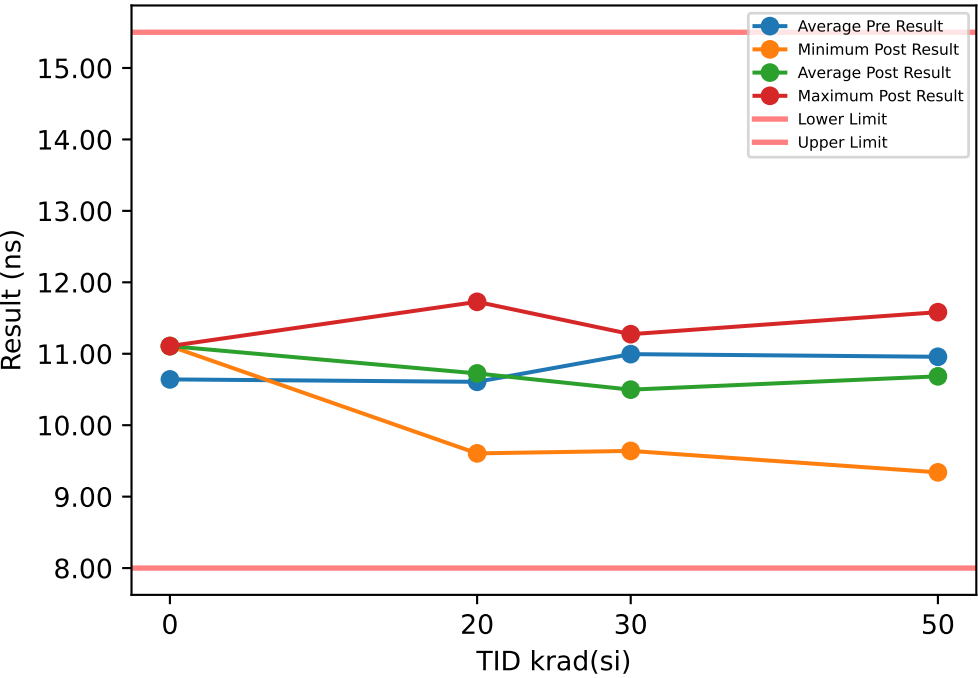
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	2.9902	2.914	-0.0762
121	20	HDR biased	3.3357	4.3614	1.0257
122	20	HDR biased	4.0736	2.8164	-1.2572
123	20	HDR biased	3.4567	4.7273	1.2706
124	20	HDR biased	4.2674	4.0319	-0.2355
125	20	HDR biased	2.0622	2.2202	0.158
131	30	HDR biased	3.4479	3.3436	-0.1043
132	30	HDR biased	3.2071	3.3461	0.139
133	30	HDR biased	3.0813	3.5057	0.4244
134	30	HDR biased	3.9987	4.0665	0.0678
135	30	HDR biased	2.6588	4.0069	1.3481
151	50	HDR biased	4.5439	4.5425	-0.0014
152	50	HDR biased	3.9305	3.468	-0.4625
153	50	HDR biased	3.3057	3.4294	0.1237
154	50	HDR biased	2.6838	2.9029	0.2191
155	50	HDR biased	4.3168	4.0919	-0.2249
321	20	HDR unbiased	3.0018	4.3646	1.3628
322	20	HDR unbiased	3.4452	2.2359	-1.2093
323	20	HDR unbiased	1.3825	2.4902	1.1077
324	20	HDR unbiased	3.3108	3.3337	0.0229
325	20	HDR unbiased	2.5386	3.5019	0.9633
331	30	HDR unbiased	4.2101	2.9253	-1.2848
332	30	HDR unbiased	3.1171	1.7604	-1.3567
333	30	HDR unbiased	4.6833	3.4536	-1.2297
334	30	HDR unbiased	2.6118	2.617	0.0052
335	30	HDR unbiased	3.2514	3.3568	0.1054
351	50	HDR unbiased	2.1273	3.5659	1.4386
352	50	HDR unbiased	3.7677	3.908	0.1403
353	50	HDR unbiased	3.1959	4.5264	1.3305
354	50	HDR unbiased	3.5679	2.3569	-1.211
355	50	HDR unbiased	2.4947	3.7575	1.2628

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9902	2.9902	2.9902		2.914	2.914	2.914		-0.0762	-0.0762	-0.0762	
20	1.3825	3.0875	4.2674	0.88237	2.2202	3.4083	4.7273	0.93958	-1.2572	0.3209	1.3628	0.9873
30	2.6118	3.4267	4.6833	0.67233	1.7604	3.2382	4.0665	0.6749	-1.3567	-0.18856	1.3481	0.86226
50	2.1273	3.3934	4.5439	0.78855	2.3569	3.6549	4.5425	0.67962	-1.211	0.26152	1.4386	0.85405

Device Test: 97.1 T_RLH_SMALL(_DLHDead Time Small 500kHz VIN_14V)

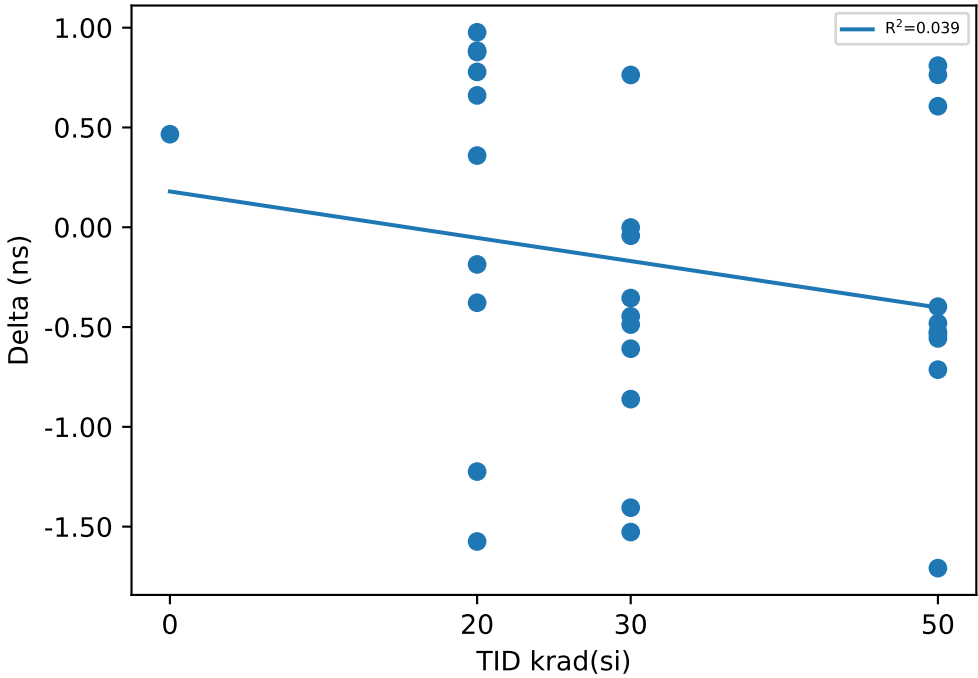
TID vs Result Stats



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.641	11.107	0.4663
121	20	HDR biased	10.799	11.578	0.7784
122	20	HDR biased	11.18	9.6055	-1.5744
123	20	HDR biased	10.842	11.727	0.8847
124	20	HDR biased	11.691	11.313	-0.3782
125	20	HDR biased	9.7622	10.121	0.3592
131	30	HDR biased	11.168	11.126	-0.0426
132	30	HDR biased	10.238	10.237	-0.0013
133	30	HDR biased	10.878	10.269	-0.6085
134	30	HDR biased	11.736	11.249	-0.4875
135	30	HDR biased	10.511	11.274	0.7631
151	50	HDR biased	12.106	11.582	-0.5241
152	50	HDR biased	11.047	10.334	-0.7135
153	50	HDR biased	11.209	10.674	-0.5357
154	50	HDR biased	10.424	10.026	-0.3979
155	50	HDR biased	11.769	11.212	-0.557
321	20	HDR unbiased	10.543	11.52	0.9768
322	20	HDR unbiased	10.894	9.6694	-1.2242
323	20	HDR unbiased	9.3215	10.2	0.878
324	20	HDR unbiased	11.004	10.818	-0.1862
325	20	HDR unbiased	10.035	10.695	0.6607
331	30	HDR unbiased	11.507	9.9797	-1.5272
332	30	HDR unbiased	10.501	9.6401	-0.8613
333	30	HDR unbiased	12.213	10.808	-1.4052
334	30	HDR unbiased	10.142	9.7868	-0.3548
335	30	HDR unbiased	11.052	10.606	-0.4463
351	50	HDR unbiased	10.041	10.805	0.7638
352	50	HDR unbiased	11.296	10.815	-0.481
353	50	HDR unbiased	10.384	11.194	0.8099
354	50	HDR unbiased	11.048	9.3402	-1.708
355	50	HDR unbiased	10.252	10.858	0.6064

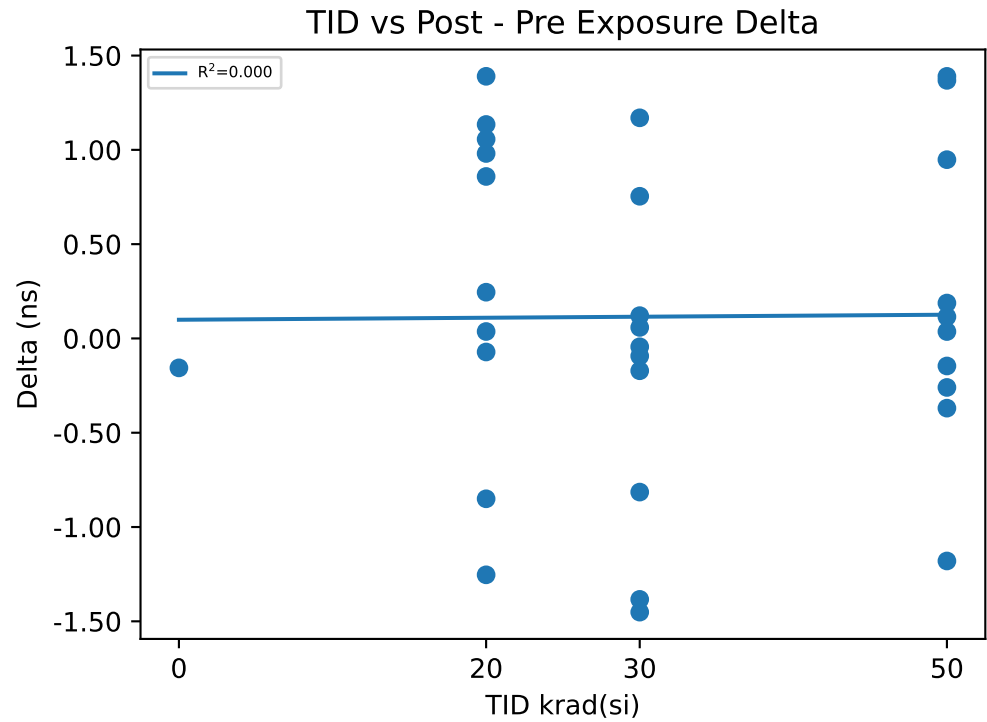
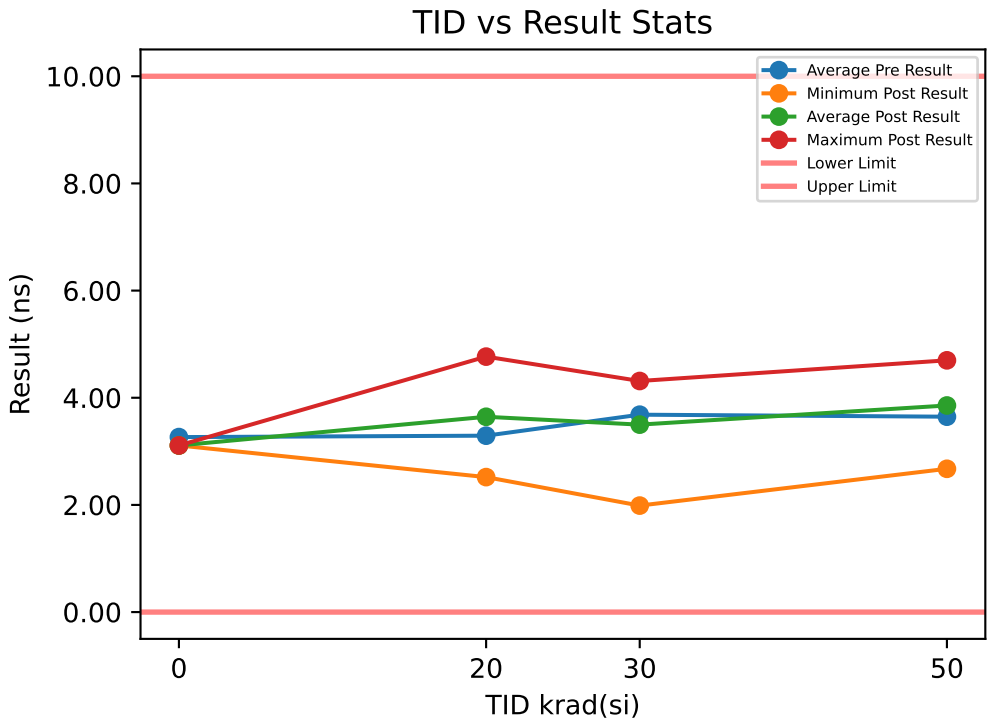
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.641	10.641	10.641		11.107	11.107	11.107		0.4663	0.4663	0.4663	
20	9.3215	10.607	11.691	0.70975	9.6055	10.725	11.727	0.79766	-1.5744	0.11748	0.9768	0.92474
30	10.142	10.995	12.213	0.67676	9.6401	10.498	11.274	0.60537	-1.5272	-0.49716	0.7631	0.67447
50	10.041	10.958	12.106	0.67698	9.3402	10.684	11.582	0.64712	-1.708	-0.27371	0.8099	0.78499

Device Test: 97.10 T_RLH_MIN(_DLH Dead Time Min 2MHz VIN_14V)



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

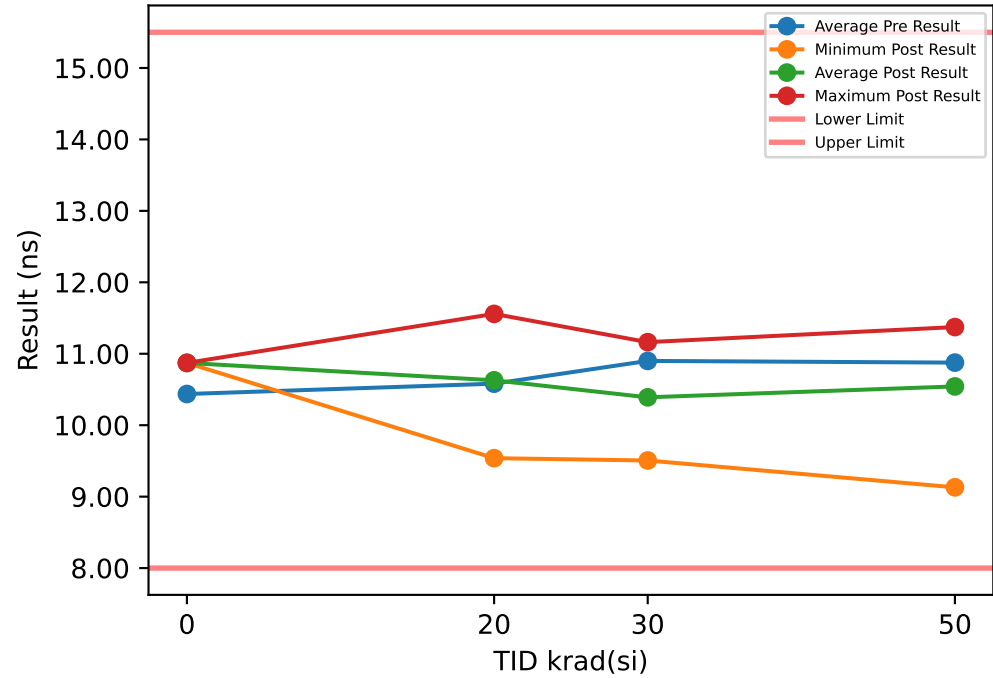
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.2659	3.1098	-0.1561
121	20	HDR biased	3.5013	4.5577	1.0564
122	20	HDR biased	4.2131	2.9597	-1.2534
123	20	HDR biased	3.633	4.7676	1.1346
124	20	HDR biased	4.328	4.2562	-0.0718
125	20	HDR biased	2.2739	2.5191	0.2452
131	30	HDR biased	3.5786	3.6371	0.0585
132	30	HDR biased	3.1338	3.8877	0.7539
133	30	HDR biased	3.4197	3.3265	-0.0932
134	30	HDR biased	4.1918	4.3127	0.1209
135	30	HDR biased	3.0878	4.2577	1.1699
151	50	HDR biased	4.7913	4.5315	-0.2598
152	50	HDR biased	4.0771	3.7075	-0.3696
153	50	HDR biased	3.6991	3.7357	0.0366
154	50	HDR biased	2.9077	3.0954	0.1877
155	50	HDR biased	4.5479	4.4019	-0.146
321	20	HDR unbiased	3.1812	4.5712	1.39
322	20	HDR unbiased	3.6153	2.765	-0.8503
323	20	HDR unbiased	1.6701	2.6509	0.9808
324	20	HDR unbiased	3.6284	3.6652	0.0368
325	20	HDR unbiased	2.8777	3.7366	0.8589
331	30	HDR unbiased	4.2629	3.4482	-0.8147
332	30	HDR unbiased	3.3712	1.9876	-1.3836
333	30	HDR unbiased	5.17	3.7187	-1.4513
334	30	HDR unbiased	3.0614	2.8901	-0.1713
335	30	HDR unbiased	3.5622	3.518	-0.0442
351	50	HDR unbiased	2.4714	3.8399	1.3685
352	50	HDR unbiased	3.9241	4.039	0.1149
353	50	HDR unbiased	3.3088	4.6985	1.3897
354	50	HDR unbiased	3.8541	2.6741	-1.18
355	50	HDR unbiased	2.8849	3.8329	0.948

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2659	3.2659	3.2659		3.1098	3.1098	3.1098		-0.1561	-0.1561	-0.1561	
20	1.6701	3.2922	4.328	0.82667	2.5191	3.6449	4.7676	0.87136	-1.2534	0.35272	1.39	0.89142
30	3.0614	3.6839	5.17	0.67004	1.9876	3.4984	4.3127	0.67856	-1.4513	-0.18551	1.1699	0.839
50	2.4714	3.6466	4.7913	0.74924	2.6741	3.8556	4.6985	0.62453	-1.18	0.209	1.3897	0.81196

Device Test: 97.11 T_RLH_SMALL(_DLH Dead Time Small 2MHz VIN_14V)

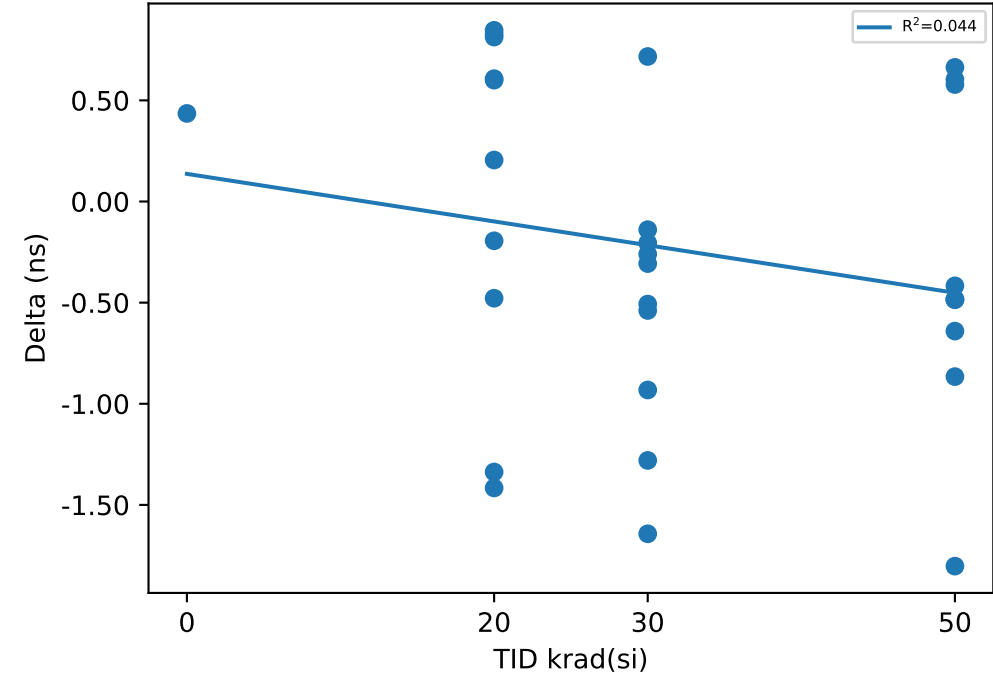
TID vs Result Stats



Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.437	10.872	0.4354
121	20	HDR biased	10.673	11.501	0.8275
122	20	HDR biased	11.108	9.6921	-1.4162
123	20	HDR biased	10.745	11.558	0.8129
124	20	HDR biased	11.731	11.253	-0.4782
125	20	HDR biased	9.8136	10.019	0.2051
131	30	HDR biased	11.202	10.942	-0.26
132	30	HDR biased	10.144	9.9388	-0.2048
133	30	HDR biased	10.706	10.167	-0.5387
134	30	HDR biased	11.469	11.162	-0.3069
135	30	HDR biased	10.399	11.116	0.7169
151	50	HDR biased	12.014	11.373	-0.6406
152	50	HDR biased	10.999	10.134	-0.8657
153	50	HDR biased	11.132	10.648	-0.4838
154	50	HDR biased	10.453	10.037	-0.4169
155	50	HDR biased	11.633	11.149	-0.4835
321	20	HDR unbiased	10.559	11.405	0.8464
322	20	HDR unbiased	10.876	9.5382	-1.3373
323	20	HDR unbiased	9.3347	9.942	0.6073
324	20	HDR unbiased	10.944	10.75	-0.1942
325	20	HDR unbiased	10.028	10.627	0.5999
331	30	HDR unbiased	11.405	9.7622	-1.6428
332	30	HDR unbiased	10.438	9.506	-0.9318
333	30	HDR unbiased	11.995	10.715	-1.2801
334	30	HDR unbiased	10.182	10.043	-0.1393
335	30	HDR unbiased	11.058	10.551	-0.507
351	50	HDR unbiased	10.064	10.642	0.5783
352	50	HDR unbiased	11.069	10.583	-0.4859
353	50	HDR unbiased	10.436	11.04	0.6035
354	50	HDR unbiased	10.933	9.1302	-1.8027
355	50	HDR unbiased	10.027	10.691	0.6631

TID vs Post - Pre Exposure Delta

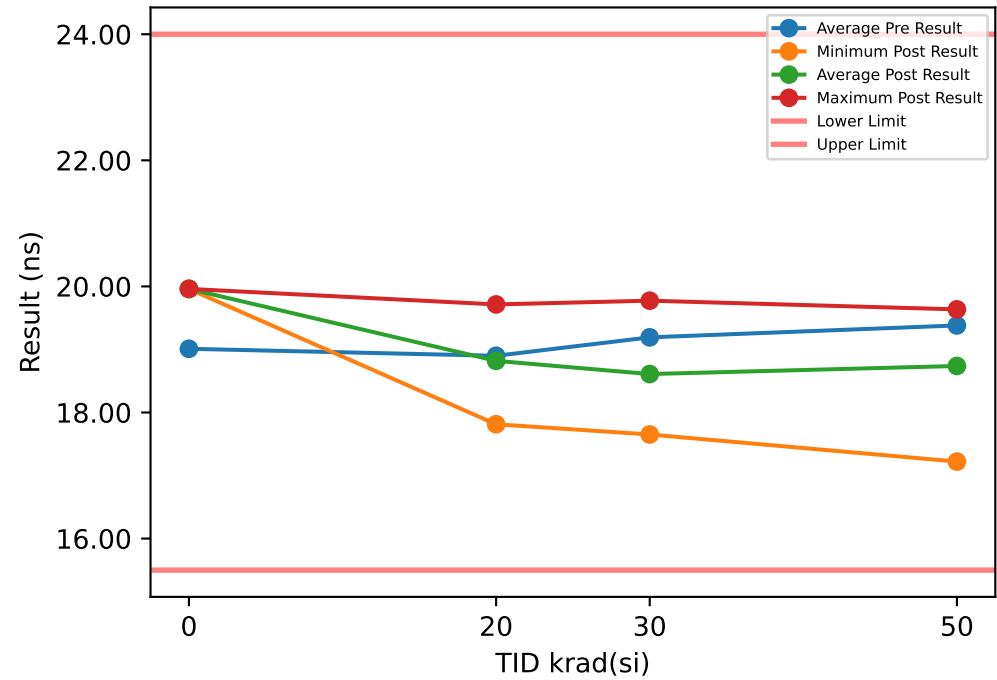


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.437	10.437	10.437		10.872	10.872	10.872		0.4354	0.4354	0.4354	
20	9.3347	10.581	11.731	0.69154	9.5382	10.628	11.558	0.78462	-1.4162	0.04732	0.8464	0.87373
30	10.144	10.9	11.995	0.62217	9.506	10.39	11.162	0.58773	-1.6428	-0.50945	0.7169	0.65783
50	10.027	10.876	12.014	0.64468	9.1302	10.543	11.373	0.64709	-1.8027	-0.33342	0.6631	0.7684

Device Test: 97.12 T_RLH_MID(_DLH Dead Time Mid 2MHz VIN_14V)

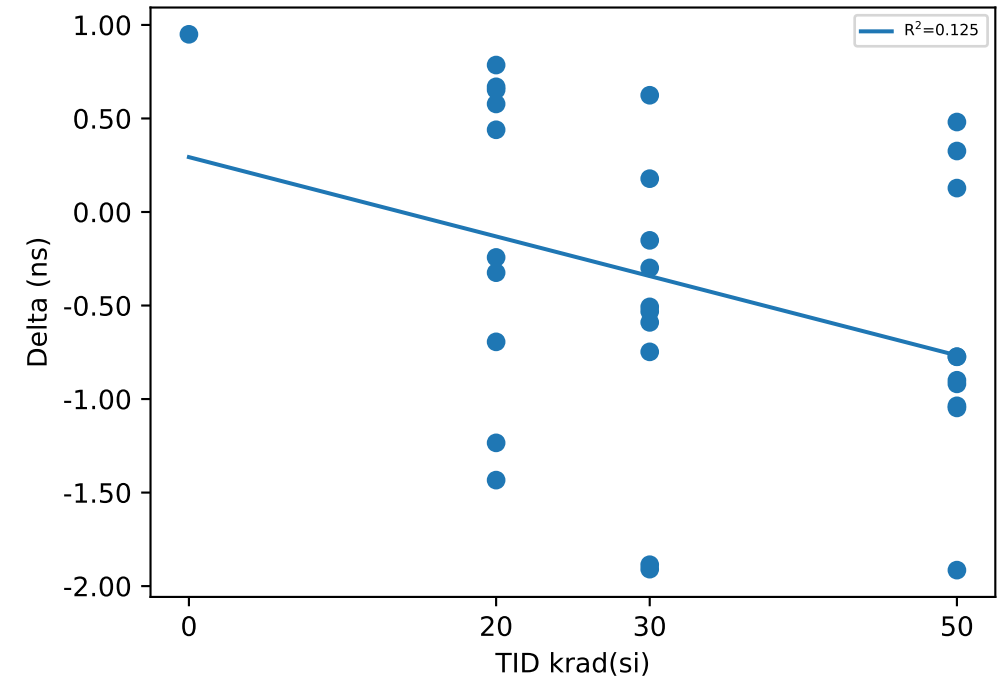
TID vs Result Stats



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.01	19.96	0.9499
121	20	HDR biased	19.137	19.714	0.5776
122	20	HDR biased	19.048	17.813	-1.2342
123	20	HDR biased	18.614	19.267	0.6533
124	20	HDR biased	20.14	19.446	-0.6942
125	20	HDR biased	18.384	18.06	-0.3244
131	30	HDR biased	19.925	19.774	-0.1516
132	30	HDR biased	18.086	17.787	-0.2989
133	30	HDR biased	18.963	18.456	-0.5072
134	30	HDR biased	19.931	19.4	-0.5315
135	30	HDR biased	18.865	19.489	0.6241
151	50	HDR biased	20.683	19.636	-1.0474
152	50	HDR biased	19.151	18.252	-0.8995
153	50	HDR biased	19.743	18.824	-0.9188
154	50	HDR biased	19.2	18.426	-0.7742
155	50	HDR biased	20.348	19.312	-1.0362
321	20	HDR unbiased	18.809	19.478	0.6692
322	20	HDR unbiased	19.276	17.843	-1.4334
323	20	HDR unbiased	17.968	18.754	0.7856
324	20	HDR unbiased	19.446	19.203	-0.2429
325	20	HDR unbiased	18.172	18.612	0.4395
331	30	HDR unbiased	19.827	17.918	-1.9094
332	30	HDR unbiased	18.458	18.636	0.1782
333	30	HDR unbiased	20.087	18.201	-1.8856
334	30	HDR unbiased	18.241	17.651	-0.5901
335	30	HDR unbiased	19.534	18.787	-0.7477
351	50	HDR unbiased	18.807	19.133	0.326
352	50	HDR unbiased	19.523	18.75	-0.7735
353	50	HDR unbiased	18.512	18.992	0.481
354	50	HDR unbiased	19.136	17.221	-1.9146
355	50	HDR unbiased	18.706	18.834	0.1278

TID vs Post - Pre Exposure Delta

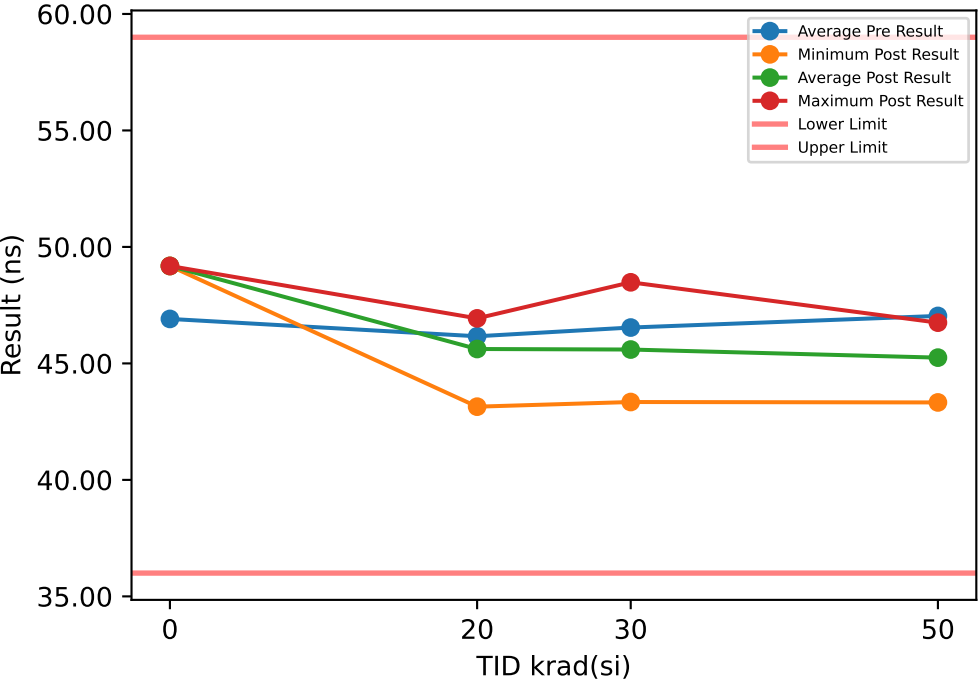


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.01	19.01	19.01		19.96	19.96	19.96		0.9499	0.9499	0.9499	
20	17.968	18.9	20.14	0.65059	17.813	18.819	19.714	0.71222	-1.4334	-0.08039	0.7856	0.82852
30	18.086	19.192	20.087	0.76231	17.651	18.61	19.774	0.74901	-1.9094	-0.58197	0.6241	0.80243
50	18.512	19.381	20.683	0.70462	17.221	18.738	19.636	0.66725	-1.9146	-0.64294	0.481	0.73844

Device Test: 97.13 T_RLH_LARGE(_DLH Dead Time Large 2MHz VIN_14V)

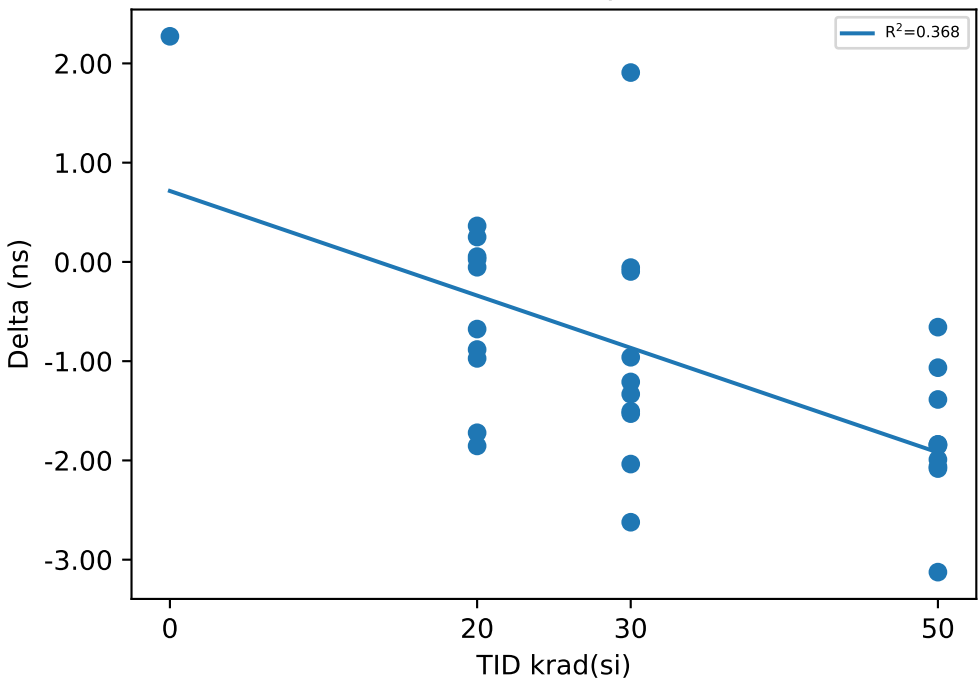
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	46.91	49.183	2.273
121	20	HDR biased	46.432	46.485	0.0536
122	20	HDR biased	44.997	43.143	-1.8538
123	20	HDR biased	44.013	44.264	0.2506
124	20	HDR biased	47.468	46.496	-0.972
125	20	HDR biased	46.517	45.841	-0.6765
131	30	HDR biased	48.578	48.482	-0.0963
132	30	HDR biased	44.303	43.343	-0.9605
133	30	HDR biased	46.295	45.086	-1.2093
134	30	HDR biased	47.642	46.309	-1.332
135	30	HDR biased	46.842	46.784	-0.0573
151	50	HDR biased	48.235	46.153	-2.082
152	50	HDR biased	45.387	43.325	-2.0619
153	50	HDR biased	47.735	45.884	-1.8506
154	50	HDR biased	47.745	45.906	-1.8387
155	50	HDR biased	47.785	45.794	-1.991
321	20	HDR unbiased	45.809	46.172	0.3629
322	20	HDR unbiased	46.93	45.209	-1.7212
323	20	HDR unbiased	46.987	46.934	-0.0537
324	20	HDR unbiased	47.14	46.257	-0.8826
325	20	HDR unbiased	45.358	45.384	0.026
331	30	HDR unbiased	46.841	44.804	-2.0366
332	30	HDR unbiased	45.145	47.053	1.9078
333	30	HDR unbiased	46.794	44.172	-2.6226
334	30	HDR unbiased	45.761	44.233	-1.5285
335	30	HDR unbiased	47.197	45.693	-1.5045
351	50	HDR unbiased	47.815	46.749	-1.0655
352	50	HDR unbiased	47.468	45.629	-1.8388
353	50	HDR unbiased	45.167	44.51	-0.6571
354	50	HDR unbiased	46.646	43.52	-3.1254
355	50	HDR unbiased	46.397	45.011	-1.3858

TID vs Post - Pre Exposure Delta

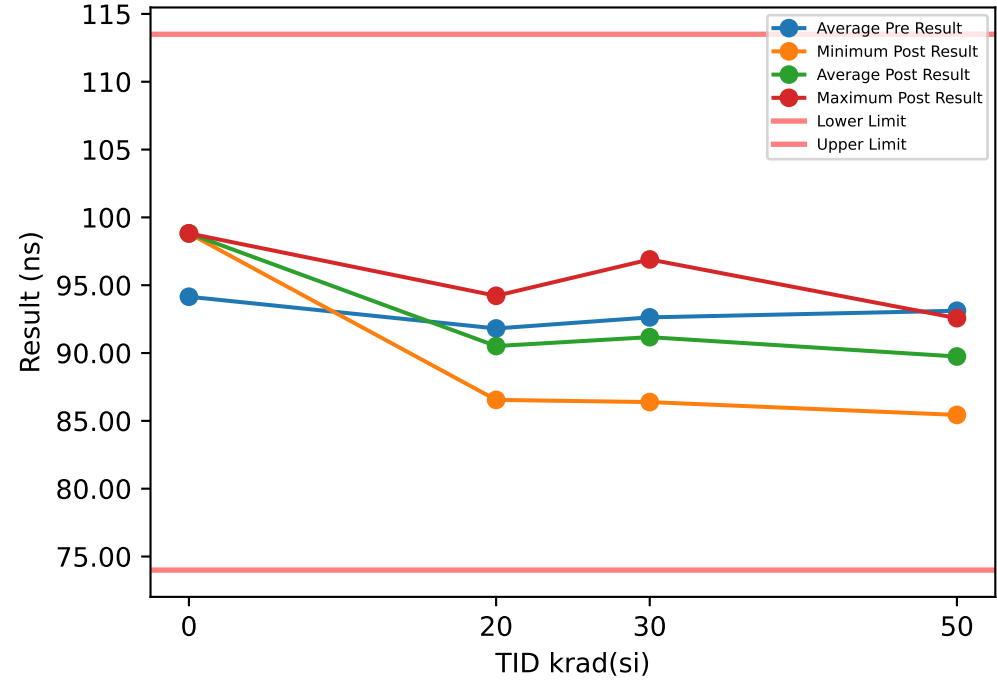


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	46.91	46.91	46.91		49.183	49.183	49.183		2.273	2.273	2.273	
20	44.013	46.165	47.468	1.0994	43.143	45.618	46.934	1.1642	-1.8538	-0.54667	0.3629	0.80229
30	44.303	46.54	48.578	1.2319	43.343	45.596	48.482	1.5717	-2.6226	-0.94398	1.9078	1.2704
50	45.167	47.038	48.235	1.083	43.325	45.248	46.749	1.1371	-3.1254	-1.7897	-0.6571	0.66358

Device Test: 97.14 T_RLH_MAX(_DLH Dead Time Max 2MHz VIN_14V)

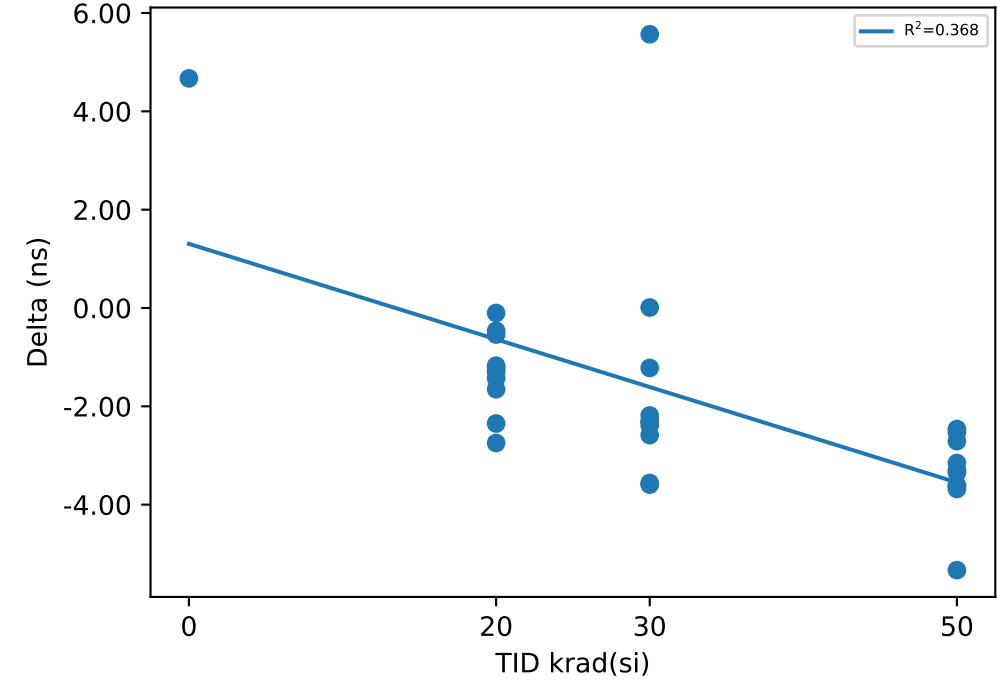
TID vs Result Stats



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	94.151	98.821	4.6703
121	20	HDR biased	91.054	90.952	-0.1016
122	20	HDR biased	89.293	86.547	-2.7458
123	20	HDR biased	87.301	86.838	-0.4633
124	20	HDR biased	92.99	91.561	-1.4289
125	20	HDR biased	93.9	92.604	-1.2957
131	30	HDR biased	96.89	96.9	0.01
132	30	HDR biased	88.691	86.385	-2.3064
133	30	HDR biased	91.98	89.794	-2.1859
134	30	HDR biased	94.237	91.925	-2.312
135	30	HDR biased	94.514	93.295	-1.219
151	50	HDR biased	94.467	90.85	-3.6162
152	50	HDR biased	88.738	85.439	-3.2997
153	50	HDR biased	94.988	91.374	-3.614
154	50	HDR biased	96.254	92.572	-3.6813
155	50	HDR biased	94.32	90.971	-3.3488
321	20	HDR unbiased	90.363	89.823	-0.5392
322	20	HDR unbiased	93.316	90.966	-2.3497
323	20	HDR unbiased	95.393	94.219	-1.1741
324	20	HDR unbiased	93.134	91.481	-1.6523
325	20	HDR unbiased	91.381	90.155	-1.2255
331	30	HDR unbiased	92.234	88.642	-3.592
332	30	HDR unbiased	90.273	95.84	5.5666
333	30	HDR unbiased	91.99	88.43	-3.5601
334	30	HDR unbiased	91.339	88.753	-2.5854
335	30	HDR unbiased	94.143	91.757	-2.386
351	50	HDR unbiased	94.667	92.204	-2.4627
352	50	HDR unbiased	93.313	90.159	-3.1536
353	50	HDR unbiased	90.257	87.549	-2.7079
354	50	HDR unbiased	92.306	86.974	-5.3321
355	50	HDR unbiased	91.883	89.355	-2.5277

TID vs Post - Pre Exposure Delta

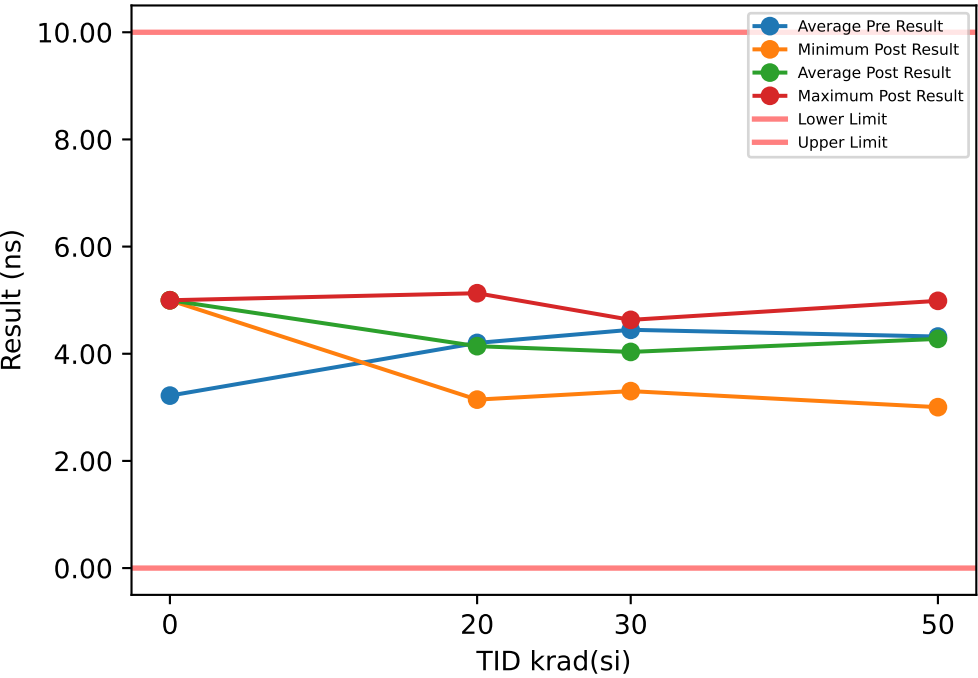


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.151	94.151	94.151		98.821	98.821	98.821		4.6703	4.6703	4.6703	
20	87.301	91.812	95.393	2.4068	86.547	90.515	94.219	2.366	-2.7458	-1.2976	-0.1016	0.8212
30	88.691	92.629	96.89	2.3639	86.385	91.172	96.9	3.4091	-3.592	-1.457	5.5666	2.68
50	88.738	93.119	96.254	2.3234	85.439	89.745	92.572	2.3756	-5.3321	-3.3744	-2.4627	0.82259

Device Test: 97.19 T_RHL_MIN(_DHL Dead Time Min 500kHz VIN_14V)

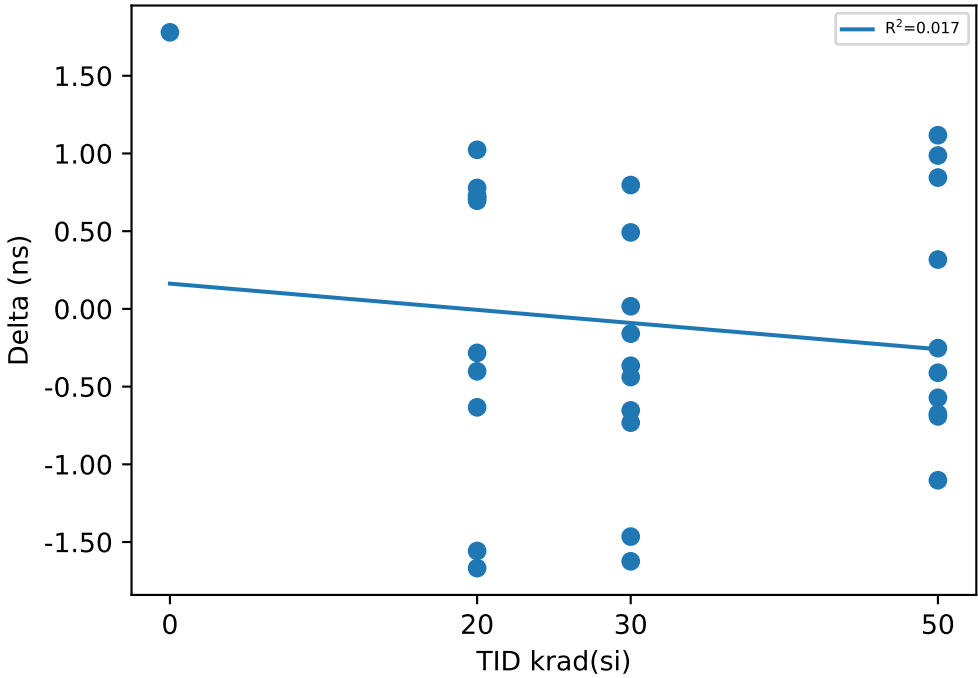
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.2189	4.9985	1.7796
121	20	HDR biased	3.8428	4.5386	0.6958
122	20	HDR biased	4.7013	3.1439	-1.5574
123	20	HDR biased	3.7233	4.4528	0.7295
124	20	HDR biased	4.6866	4.4037	-0.2829
125	20	HDR biased	4.0677	3.6661	-0.4016
131	30	HDR biased	5.1711	4.518	-0.6531
132	30	HDR biased	3.7412	3.3027	-0.4385
133	30	HDR biased	3.6225	3.6393	0.0168
134	30	HDR biased	5.2107	4.4789	-0.7318
135	30	HDR biased	3.6888	4.4858	0.797
151	50	HDR biased	5.0226	4.6118	-0.4108
152	50	HDR biased	2.6857	3.0031	0.3174
153	50	HDR biased	5.6791	4.9875	-0.6916
154	50	HDR biased	4.1141	3.8615	-0.2526
155	50	HDR biased	5.1802	4.5048	-0.6754
321	20	HDR unbiased	3.8871	4.598	0.7109
322	20	HDR unbiased	5.0632	3.3952	-1.668
323	20	HDR unbiased	4.3515	5.1297	0.7782
324	20	HDR unbiased	4.6925	4.0593	-0.6332
325	20	HDR unbiased	3.0049	4.0285	1.0236
331	30	HDR unbiased	5.2534	3.6294	-1.624
332	30	HDR unbiased	3.4191	3.9112	0.4921
333	30	HDR unbiased	5.3728	3.9077	-1.4651
334	30	HDR unbiased	3.9937	3.8342	-0.1595
335	30	HDR unbiased	4.9981	4.6324	-0.3657
351	50	HDR unbiased	3.4817	4.3266	0.8449
352	50	HDR unbiased	5.1513	4.5793	-0.572
353	50	HDR unbiased	3.3862	4.373	0.9868
354	50	HDR unbiased	4.9197	3.8171	-1.1026
355	50	HDR unbiased	3.5912	4.7087	1.1175

TID vs Post - Pre Exposure Delta

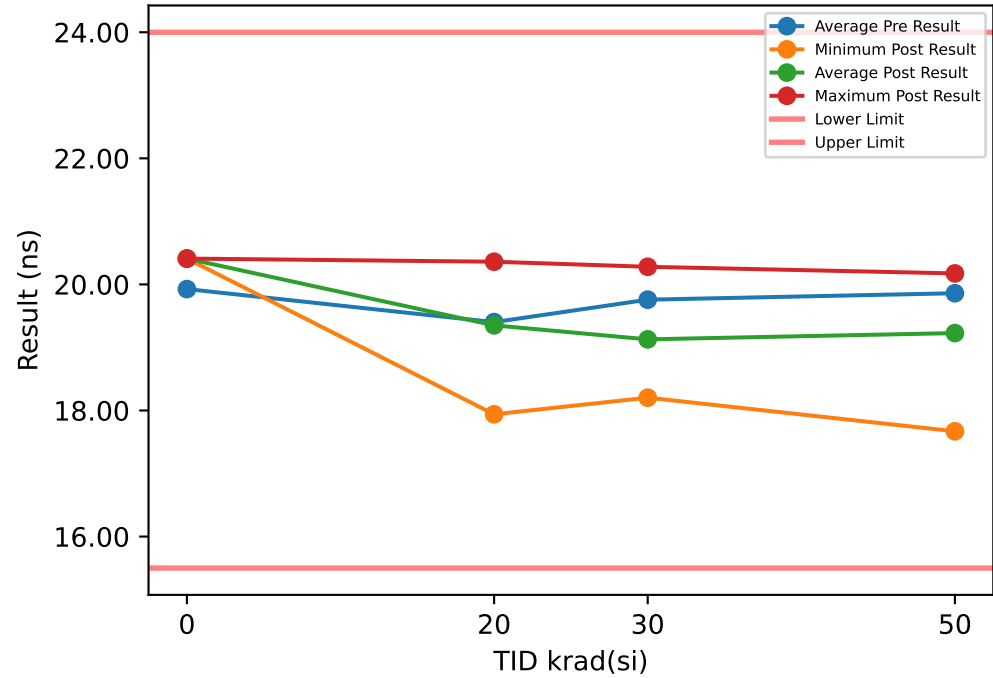


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2189	3.2189	3.2189		4.9985	4.9985	4.9985		1.7796	1.7796	1.7796	
20	3.0049	4.2021	5.0632	0.61438	3.1439	4.1416	5.1297	0.60608	-1.668	-0.06051	1.0236	0.99936
30	3.4191	4.4471	5.3728	0.81196	3.3027	4.034	4.6324	0.46184	-1.624	-0.41318	0.797	0.76506
50	2.6857	4.3212	5.6791	0.99725	3.0031	4.2773	4.9875	0.57399	-1.1026	-0.04384	1.1175	0.79777

Device Test: 97.2 T_RLH_MID(_DLH Dead Time Mid 500kHz VIN_14V)

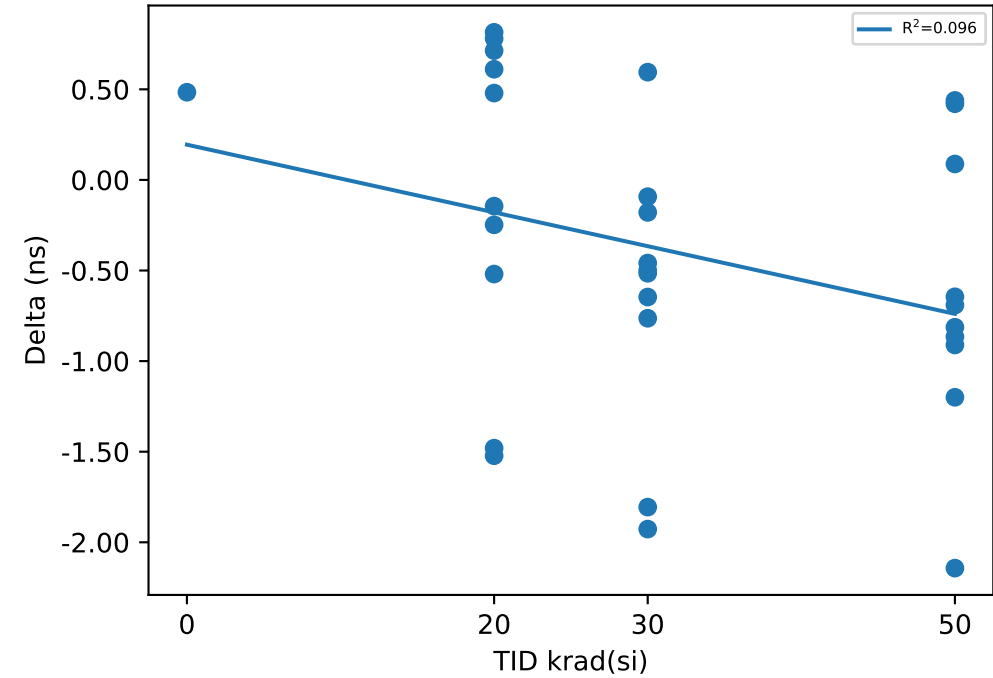
TID vs Result Stats



Test Results (Lower Limit = 15.5, Upper Limit = 24.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.926	20.41	0.4839
121	20	HDR biased	19.646	20.36	0.7138
122	20	HDR biased	19.461	17.939	-1.5221
123	20	HDR biased	19.008	19.823	0.8147
124	20	HDR biased	20.623	20.104	-0.5195
125	20	HDR biased	18.86	18.612	-0.2478
131	30	HDR biased	20.372	20.279	-0.0925
132	30	HDR biased	18.616	18.437	-0.1791
133	30	HDR biased	19.548	19.032	-0.5152
134	30	HDR biased	20.482	20.023	-0.4588
135	30	HDR biased	19.454	20.049	0.5947
151	50	HDR biased	21.085	20.174	-0.9109
152	50	HDR biased	19.567	18.367	-1.1997
153	50	HDR biased	20.133	19.488	-0.645
154	50	HDR biased	19.567	18.876	-0.691
155	50	HDR biased	20.697	19.884	-0.8131
321	20	HDR unbiased	19.273	20.053	0.7802
322	20	HDR unbiased	19.824	18.343	-1.4804
323	20	HDR unbiased	18.642	19.253	0.6109
324	20	HDR unbiased	19.912	19.767	-0.1445
325	20	HDR unbiased	18.77	19.25	0.4794
331	30	HDR unbiased	20.281	18.475	-1.8058
332	30	HDR unbiased	19.173	18.674	-0.4989
333	30	HDR unbiased	20.703	18.776	-1.9271
334	30	HDR unbiased	18.967	18.203	-0.7635
335	30	HDR unbiased	19.982	19.335	-0.6463
351	50	HDR unbiased	19.186	19.607	0.4204
352	50	HDR unbiased	20.166	19.3	-0.8659
353	50	HDR unbiased	19.106	19.545	0.4387
354	50	HDR unbiased	19.812	17.67	-2.1426
355	50	HDR unbiased	19.279	19.367	0.088

TID vs Post - Pre Exposure Delta

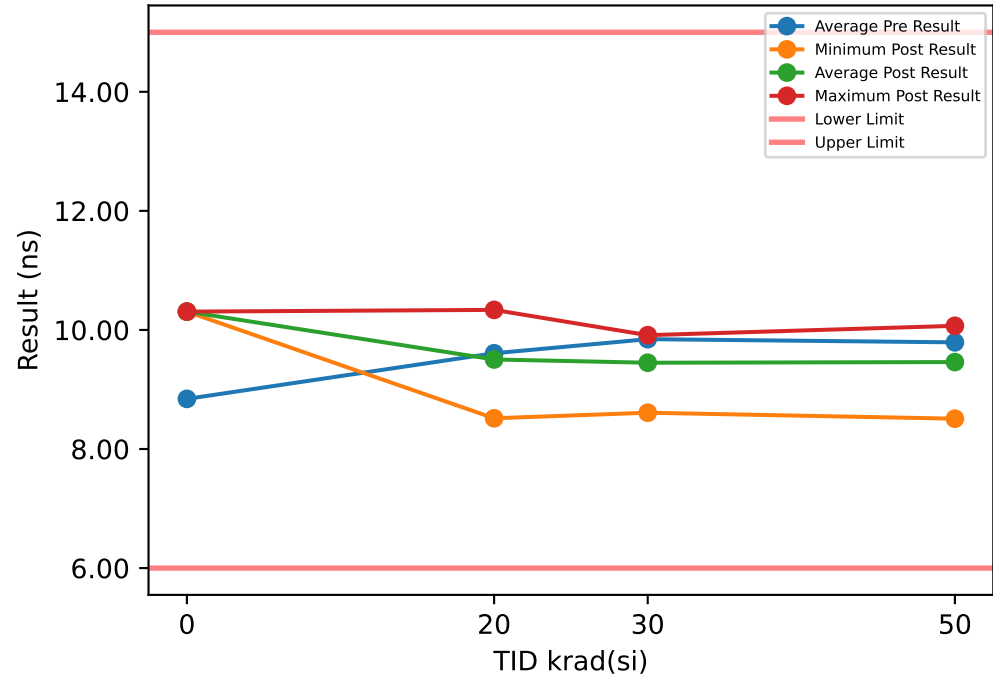


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.926	19.926	19.926		20.41	20.41	20.41		0.4839	0.4839	0.4839	
20	18.642	19.402	20.623	0.61769	17.939	19.35	20.36	0.81969	-1.5221	-0.05153	0.8147	0.8956
30	18.616	19.758	20.703	0.70933	18.203	19.129	20.279	0.75402	-1.9271	-0.62925	0.5947	0.75534
50	19.106	19.86	21.085	0.65864	17.67	19.228	20.174	0.74207	-2.1426	-0.63211	0.4387	0.78496

Device Test: 97.20 T_RHL_SMALL(_DHL Dead Time Small 500kHz VIN_14V)

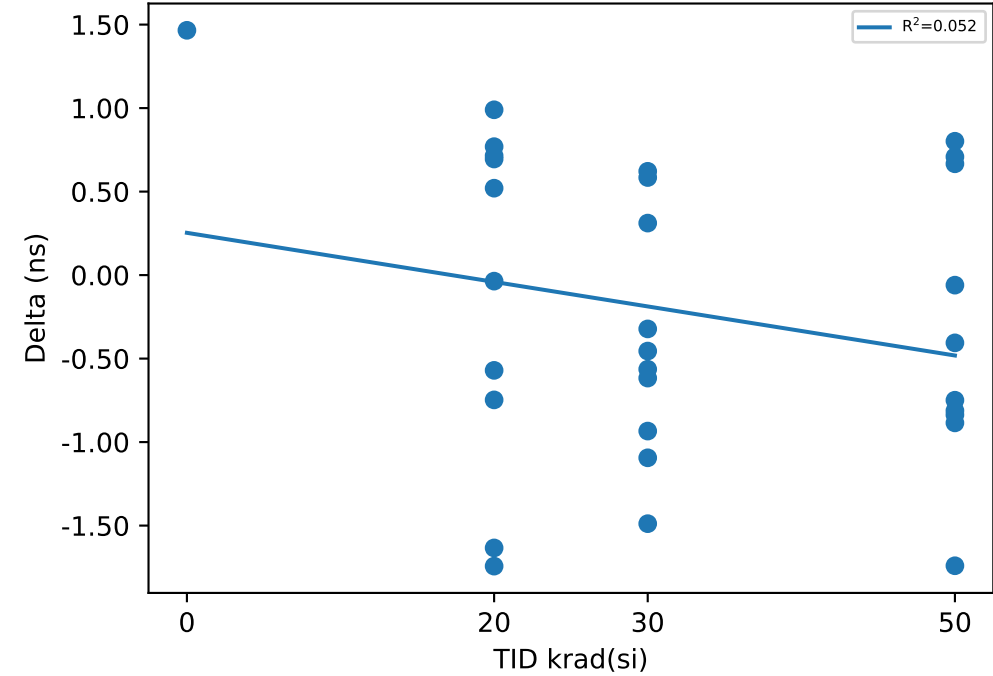
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	8.842	10.308	1.4658
121	20	HDR biased	9.1596	9.8743	0.7147
122	20	HDR biased	10.259	8.5162	-1.7428
123	20	HDR biased	8.9394	9.6345	0.6951
124	20	HDR biased	10.265	9.6945	-0.5705
125	20	HDR biased	9.2244	9.1882	-0.0362
131	30	HDR biased	10.408	9.7909	-0.6167
132	30	HDR biased	9.0645	8.6096	-0.4549
133	30	HDR biased	9.1095	9.4209	0.3114
134	30	HDR biased	10.706	9.7716	-0.934
135	30	HDR biased	8.9671	9.5514	0.5843
151	50	HDR biased	10.594	9.8443	-0.7493
152	50	HDR biased	8.5695	8.5093	-0.0602
153	50	HDR biased	10.881	10.069	-0.8119
154	50	HDR biased	9.2774	8.8716	-0.4058
155	50	HDR biased	10.646	9.7607	-0.885
321	20	HDR unbiased	9.3804	9.9008	0.5204
322	20	HDR unbiased	10.437	8.8027	-1.6338
323	20	HDR unbiased	9.5677	10.337	0.7691
324	20	HDR unbiased	10.257	9.5092	-0.7473
325	20	HDR unbiased	8.5926	9.5825	0.9899
331	30	HDR unbiased	10.723	9.2342	-1.4885
332	30	HDR unbiased	8.9132	9.5347	0.6215
333	30	HDR unbiased	10.716	9.622	-1.0941
334	30	HDR unbiased	9.3679	9.0456	-0.3223
335	30	HDR unbiased	10.476	9.9119	-0.5638
351	50	HDR unbiased	8.8573	9.5238	0.6665
352	50	HDR unbiased	10.671	9.8347	-0.8366
353	50	HDR unbiased	8.9093	9.6177	0.7084
354	50	HDR unbiased	10.553	8.8129	-1.7405
355	50	HDR unbiased	8.9584	9.7599	0.8015

TID vs Post - Pre Exposure Delta

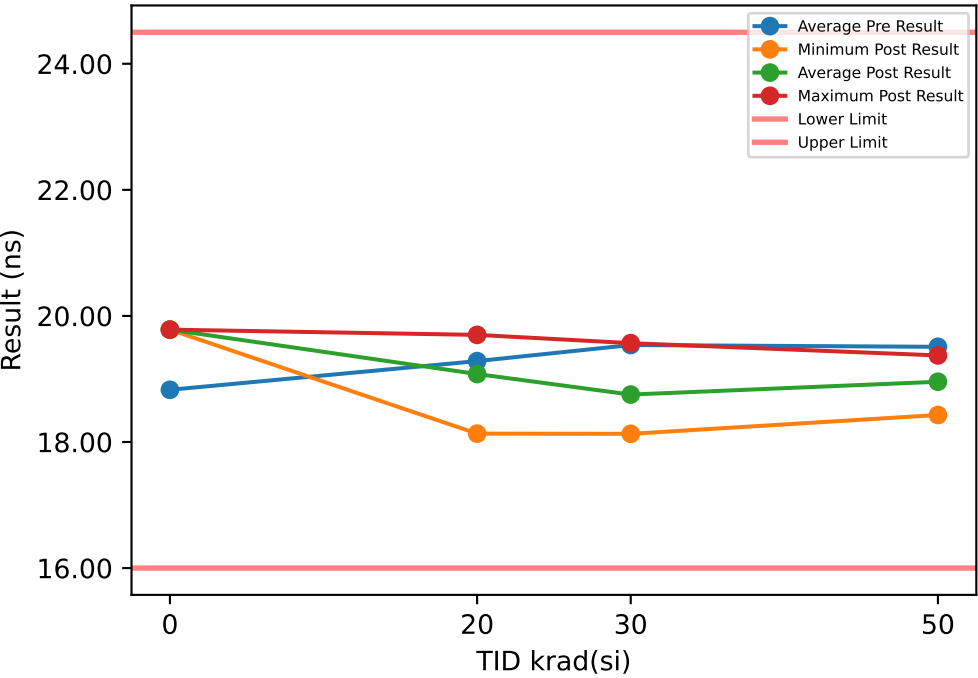


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.842	8.842	8.842		10.308	10.308	10.308		1.4658	1.4658	1.4658	
20	8.5926	9.6081	10.437	0.65338	8.5162	9.504	10.337	0.53903	-1.7428	-0.10414	0.9899	1.0176
30	8.9132	9.845	10.723	0.81655	8.6096	9.4493	9.9119	0.39402	-1.4885	-0.39571	0.6215	0.71124
50	8.5695	9.7917	10.881	0.94384	8.5093	9.4604	10.069	0.53096	-1.7405	-0.33129	0.8015	0.84277

Device Test: 97.21 T_RHL_MID(_DHL Dead Time Mid 500kHz VIN_14V)

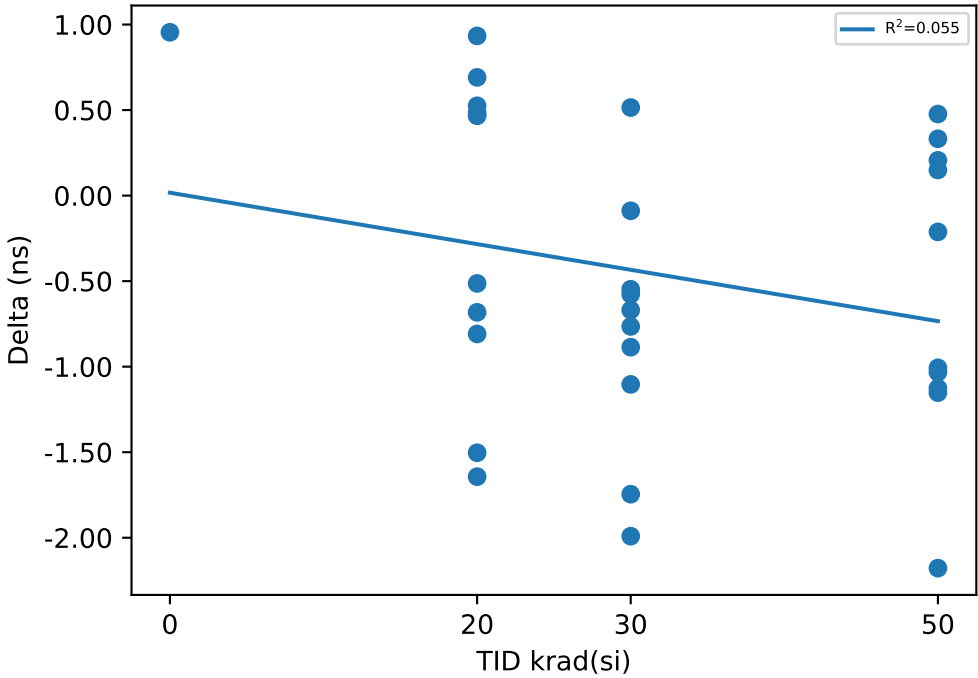
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	18.828	19.783	0.9545
121	20	HDR biased	18.757	19.448	0.691
122	20	HDR biased	19.776	18.133	-1.643
123	20	HDR biased	18.459	18.943	0.4838
124	20	HDR biased	20.04	19.231	-0.8088
125	20	HDR biased	18.648	18.134	-0.5134
131	30	HDR biased	19.947	19.06	-0.8862
132	30	HDR biased	18.799	18.13	-0.669
133	30	HDR biased	19	18.424	-0.5769
134	30	HDR biased	20.341	19.237	-1.1037
135	30	HDR biased	18.274	18.789	0.5147
151	50	HDR biased	20.319	19.167	-1.1519
152	50	HDR biased	18.662	18.811	0.1497
153	50	HDR biased	20.201	19.194	-1.0068
154	50	HDR biased	18.64	18.428	-0.2122
155	50	HDR biased	20.262	19.23	-1.0324
321	20	HDR unbiased	19.102	19.627	0.5248
322	20	HDR unbiased	20.381	18.878	-1.5032
323	20	HDR unbiased	19.233	19.699	0.4665
324	20	HDR unbiased	19.996	19.313	-0.6824
325	20	HDR unbiased	18.441	19.374	0.9334
331	30	HDR unbiased	20.28	18.29	-1.9908
332	30	HDR unbiased	18.747	18.658	-0.0887
333	30	HDR unbiased	20.579	18.834	-1.7455
334	30	HDR unbiased	19.081	18.534	-0.5475
335	30	HDR unbiased	20.333	19.568	-0.7648
351	50	HDR unbiased	18.707	18.913	0.2061
352	50	HDR unbiased	20.5	19.373	-1.1264
353	50	HDR unbiased	18.729	19.061	0.3322
354	50	HDR unbiased	20.622	18.445	-2.1777
355	50	HDR unbiased	18.459	18.936	0.4767

TID vs Post - Pre Exposure Delta

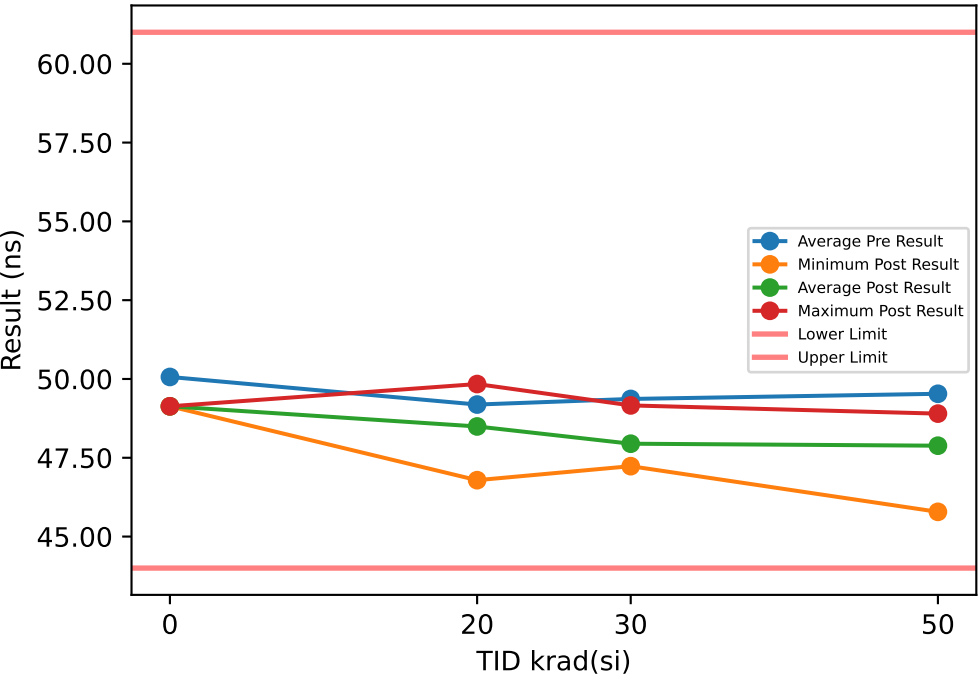


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.828	18.828	18.828		19.783	19.783	19.783		0.9545	0.9545	0.9545	
20	18.441	19.283	20.381	0.7175	18.133	19.078	19.699	0.56104	-1.643	-0.20513	0.9334	0.94266
30	18.274	19.538	20.579	0.83977	18.13	18.752	19.568	0.44351	-1.9908	-0.78584	0.5147	0.72846
50	18.459	19.51	20.622	0.92799	18.428	18.956	19.373	0.32055	-2.1777	-0.55427	0.4767	0.86877

Device Test: 97.22 T_RHL_LARGE(_DHL Dead Time Large 500kHz VIN_14V)

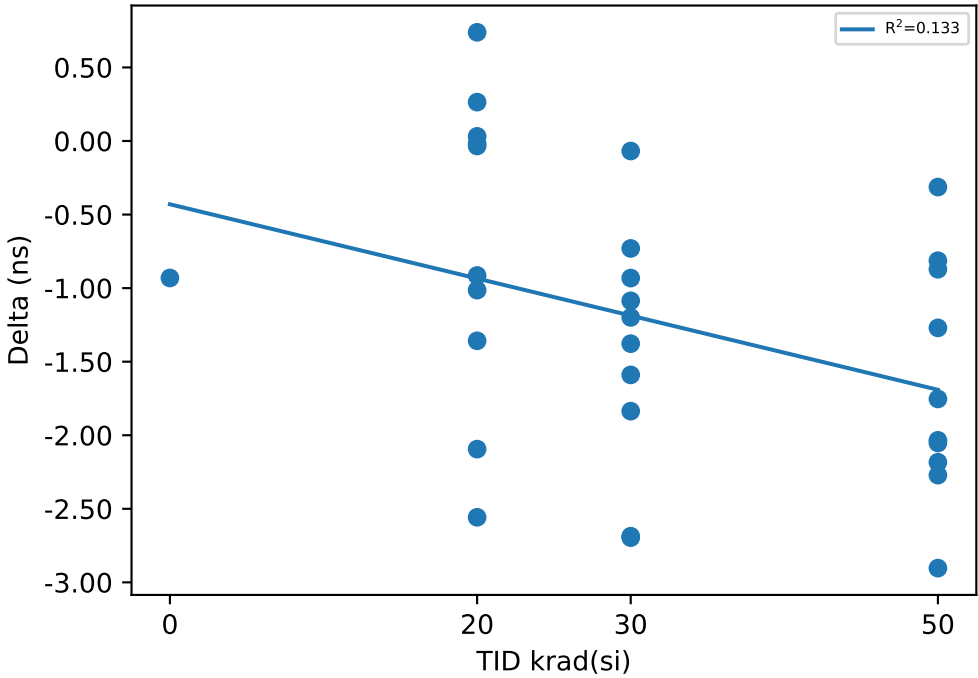
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	50.064	49.133	-0.9311
121	20	HDR biased	48.501	48.766	0.2643
122	20	HDR biased	50.3	48.205	-2.0943
123	20	HDR biased	47.582	47.548	-0.0338
124	20	HDR biased	49.969	48.611	-1.358
125	20	HDR biased	47.703	46.789	-0.9141
131	30	HDR biased	49.221	47.631	-1.5899
132	30	HDR biased	48.648	47.918	-0.7303
133	30	HDR biased	48.754	47.822	-0.9317
134	30	HDR biased	50.454	48.617	-1.8363
135	30	HDR biased	47.408	47.34	-0.0681
151	50	HDR biased	49.775	47.591	-2.1836
152	50	HDR biased	50.171	48.901	-1.2702
153	50	HDR biased	49.215	47.163	-2.0525
154	50	HDR biased	47.537	45.784	-1.7532
155	50	HDR biased	50.307	48.272	-2.0347
321	20	HDR unbiased	49.267	49.298	0.0316
322	20	HDR unbiased	50.8	48.242	-2.5576
323	20	HDR unbiased	48.37	48.354	-0.0166
324	20	HDR unbiased	50.296	49.282	-1.0137
325	20	HDR unbiased	49.1	49.839	0.7388
331	30	HDR unbiased	49.929	47.233	-2.6959
332	30	HDR unbiased	49.036	47.837	-1.1991
333	30	HDR unbiased	50.822	48.136	-2.6864
334	30	HDR unbiased	48.852	47.765	-1.0863
335	30	HDR unbiased	50.539	49.161	-1.3775
351	50	HDR unbiased	48.649	47.836	-0.8137
352	50	HDR unbiased	51.093	48.822	-2.2712
353	50	HDR unbiased	49.081	48.209	-0.8717
354	50	HDR unbiased	51.802	48.899	-2.9033
355	50	HDR unbiased	47.668	47.355	-0.3131

TID vs Post - Pre Exposure Delta

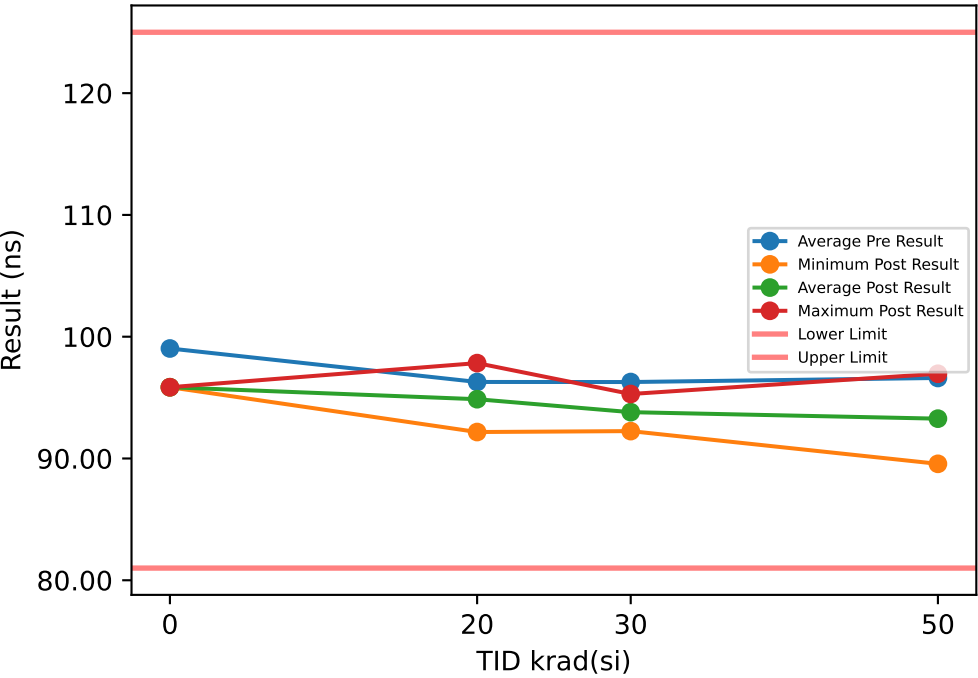


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	50.064	50.064	50.064		49.133	49.133	49.133		-0.9311	-0.9311	-0.9311	
20	47.582	49.189	50.8	1.1357	46.789	48.493	49.839	0.89029	-2.5576	-0.69534	0.7388	1.0759
30	47.408	49.366	50.822	1.0602	47.233	47.946	49.161	0.5773	-2.6959	-1.4201	-0.0681	0.8258
50	47.537	49.53	51.802	1.3822	45.784	47.883	48.901	0.97165	-2.9033	-1.6467	-0.3131	0.80268

Device Test: 97.23 T_RHL_MAX(_DHL Dead Time Max 500kHz VIN_14V)

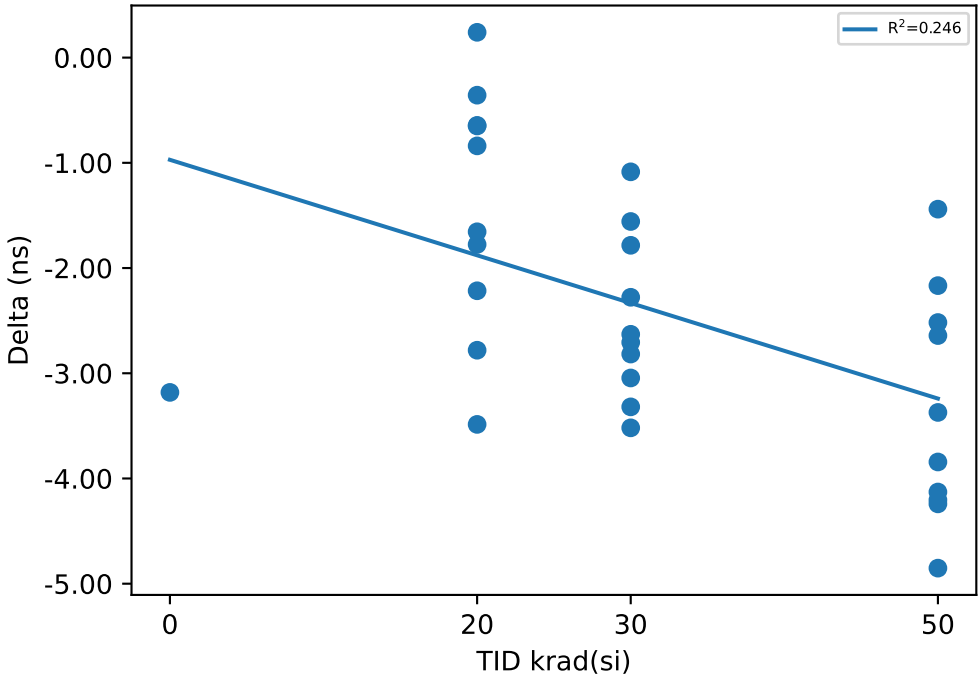
TID vs Result Stats



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	99.033	95.851	-3.1818
121	20	HDR biased	95.466	94.817	-0.6496
122	20	HDR biased	98.824	96.043	-2.7811
123	20	HDR biased	93.486	92.647	-0.8389
124	20	HDR biased	96.845	94.629	-2.216
125	20	HDR biased	93.948	92.172	-1.7758
131	30	HDR biased	95.771	92.954	-2.8174
132	30	HDR biased	96.113	93.835	-2.2779
133	30	HDR biased	95.469	93.911	-1.5576
134	30	HDR biased	97.712	94.667	-3.0447
135	30	HDR biased	93.334	92.248	-1.0856
151	50	HDR biased	95.444	91.6	-3.8431
152	50	HDR biased	99.475	96.957	-2.5178
153	50	HDR biased	95.13	91.001	-4.1287
154	50	HDR biased	92.933	89.561	-3.3723
155	50	HDR biased	97.74	93.536	-4.2042
321	20	HDR unbiased	95.824	95.467	-0.3571
322	20	HDR unbiased	98.699	95.213	-3.486
323	20	HDR unbiased	94.156	93.512	-0.6443
324	20	HDR unbiased	97.998	96.343	-1.6554
325	20	HDR unbiased	97.592	97.832	0.2404
331	30	HDR unbiased	96.191	92.871	-3.3194
332	30	HDR unbiased	96.391	93.761	-2.6297
333	30	HDR unbiased	98.268	94.749	-3.5187
334	30	HDR unbiased	95.533	93.749	-1.7839
335	30	HDR unbiased	98.001	95.294	-2.7064
351	50	HDR unbiased	95.483	93.316	-2.167
352	50	HDR unbiased	99.594	95.353	-4.2414
353	50	HDR unbiased	96.329	93.688	-2.6416
354	50	HDR unbiased	100.67	95.822	-4.8521
355	50	HDR unbiased	93.31	91.87	-1.4403

TID vs Post - Pre Exposure Delta

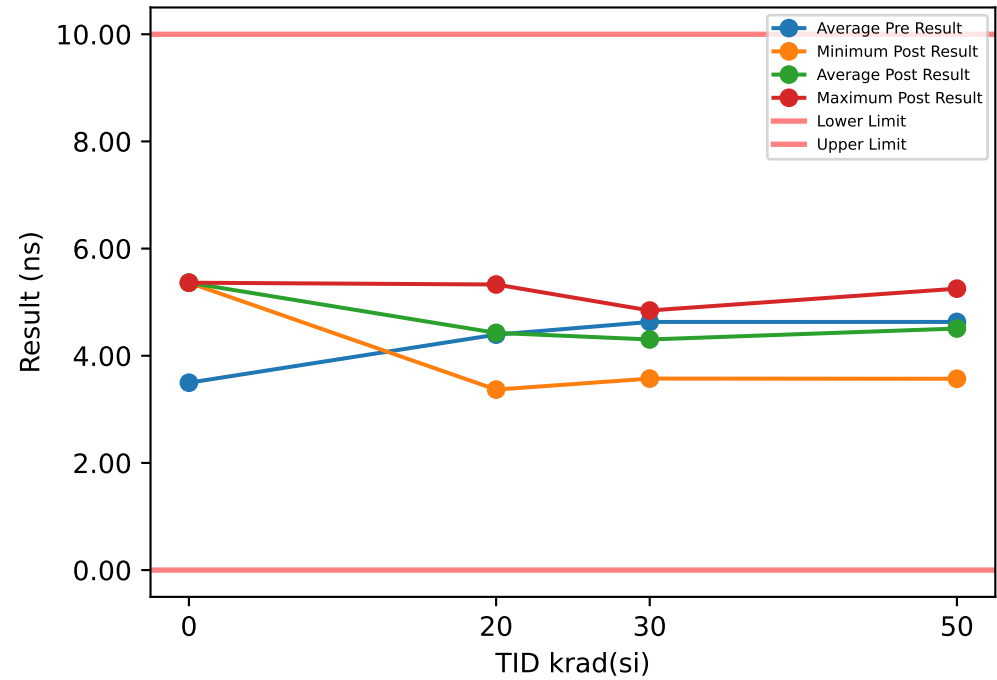


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.033	99.033	99.033		95.851	95.851	95.851		-3.1818	-3.1818	-3.1818	
20	93.486	96.284	98.824	1.9983	92.172	94.867	97.832	1.7294	-3.486	-1.4164	0.2404	1.1717
30	93.334	96.278	98.268	1.4593	92.248	93.804	95.294	0.93637	-3.5187	-2.4741	-1.0856	0.78952
50	92.933	96.611	100.67	2.6712	89.561	93.27	96.957	2.3177	-4.8521	-3.3409	-1.4403	1.099

Device Test: 97.24 T_RHL_MIN(_DHL Dead Time Min 1MHz VIN_14V)

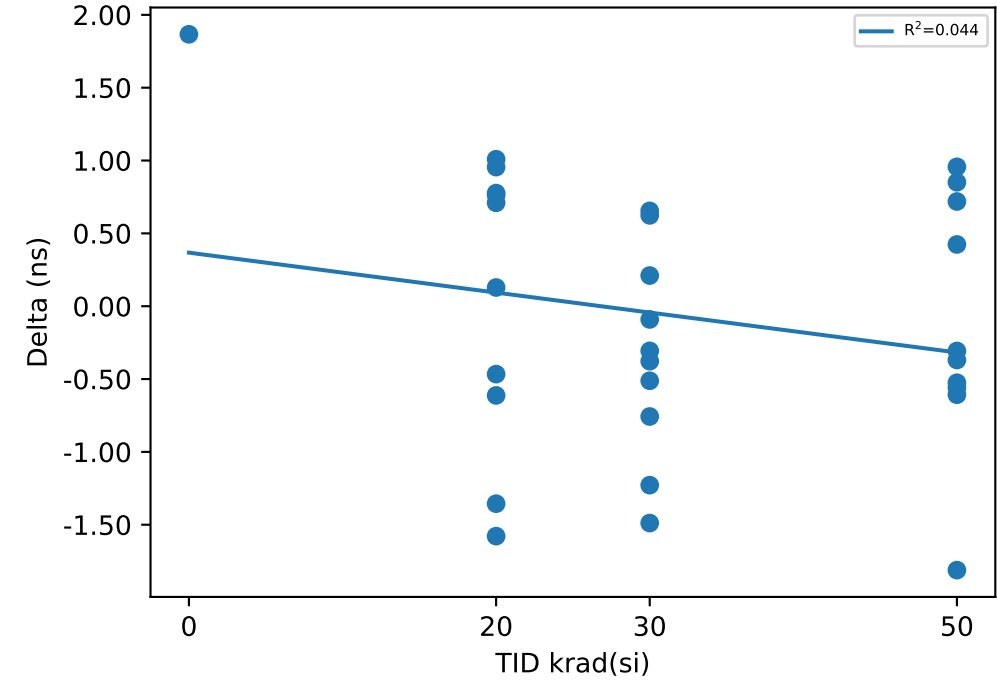
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.4968	5.3633	1.8665
121	20	HDR biased	4.0481	4.8245	0.7764
122	20	HDR biased	4.9469	3.3685	-1.5784
123	20	HDR biased	3.981	4.6909	0.7099
124	20	HDR biased	5.095	4.6288	-0.4662
125	20	HDR biased	4.1736	4.3021	0.1285
131	30	HDR biased	5.2929	4.7813	-0.5116
132	30	HDR biased	3.9512	3.5739	-0.3773
133	30	HDR biased	3.8926	3.8019	-0.0907
134	30	HDR biased	5.4987	4.7417	-0.757
135	30	HDR biased	3.9375	4.5919	0.6544
151	50	HDR biased	5.4818	4.9564	-0.5254
152	50	HDR biased	3.1539	3.5778	0.4239
153	50	HDR biased	5.8113	5.2522	-0.5591
154	50	HDR biased	4.3704	4.0631	-0.3073
155	50	HDR biased	5.3446	4.7372	-0.6074
321	20	HDR unbiased	4.1243	4.8873	0.763
322	20	HDR unbiased	5.0288	3.6733	-1.3555
323	20	HDR unbiased	4.375	5.3299	0.9549
324	20	HDR unbiased	4.8841	4.2717	-0.6124
325	20	HDR unbiased	3.2822	4.2912	1.009
331	30	HDR unbiased	5.3964	3.9079	-1.4885
332	30	HDR unbiased	3.5904	4.2141	0.6237
333	30	HDR unbiased	5.436	4.2077	-1.2283
334	30	HDR unbiased	4.1631	4.3737	0.2106
335	30	HDR unbiased	5.1508	4.8442	-0.3066
351	50	HDR unbiased	3.7457	4.5966	0.8509
352	50	HDR unbiased	5.1539	4.7847	-0.3692
353	50	HDR unbiased	3.8488	4.5676	0.7188
354	50	HDR unbiased	5.3825	3.5708	-1.8117
355	50	HDR unbiased	4.0193	4.9763	0.957

TID vs Post - Pre Exposure Delta

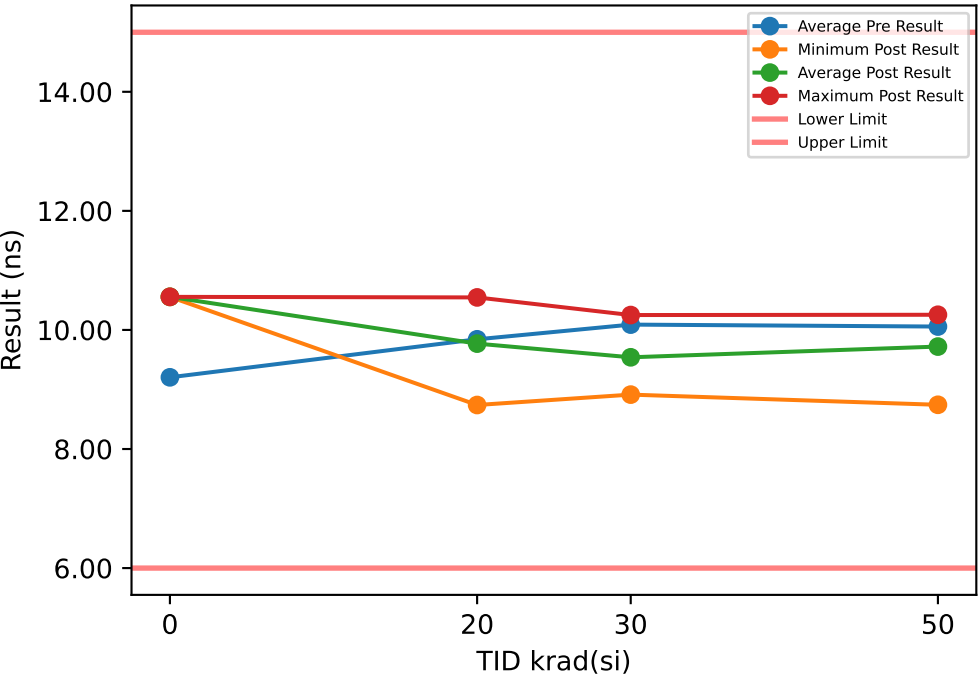


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4968	3.4968	3.4968		5.3633	5.3633	5.3633		1.8665	1.8665	1.8665	
20	3.2822	4.3939	5.095	0.58578	3.3685	4.4268	5.3299	0.58139	-1.5784	0.03292	1.009	0.97443
30	3.5904	4.631	5.4987	0.78068	3.5739	4.3038	4.8442	0.44201	-1.4885	-0.32713	0.6544	0.71455
50	3.1539	4.6312	5.8113	0.91189	3.5708	4.5083	5.2522	0.58274	-1.8117	-0.12295	0.957	0.85995

Device Test: 97.25 T_RHL_SMALL(_DHL Dead Time Small 1MHz VIN_14V)

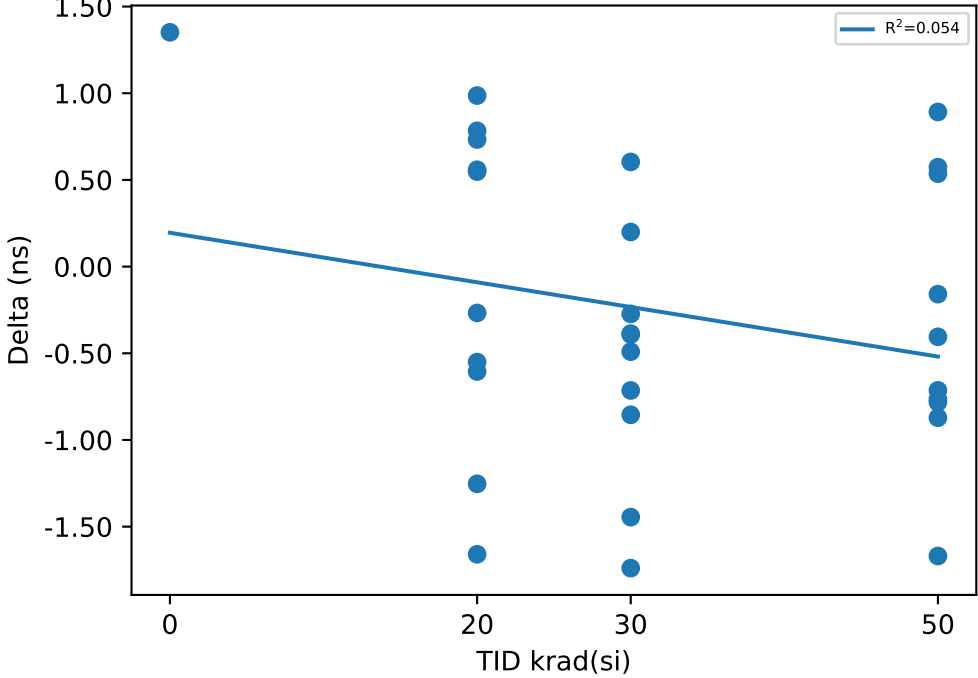
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.2043	10.556	1.3514
121	20	HDR biased	9.3537	10.137	0.7833
122	20	HDR biased	10.399	8.7393	-1.6594
123	20	HDR biased	9.2861	9.8447	0.5586
124	20	HDR biased	10.539	9.9882	-0.5507
125	20	HDR biased	9.3432	9.076	-0.2672
131	30	HDR biased	10.659	9.9449	-0.7143
132	30	HDR biased	9.1865	8.9137	-0.2728
133	30	HDR biased	9.5187	9.1272	-0.3915
134	30	HDR biased	10.943	10.088	-0.8548
135	30	HDR biased	9.1738	9.7777	0.6039
151	50	HDR biased	10.836	10.122	-0.7139
152	50	HDR biased	8.9016	8.7428	-0.1588
153	50	HDR biased	11.127	10.255	-0.8716
154	50	HDR biased	9.5089	9.1041	-0.4048
155	50	HDR biased	10.855	10.09	-0.7655
321	20	HDR unbiased	9.725	10.273	0.5481
322	20	HDR unbiased	10.693	9.4398	-1.253
323	20	HDR unbiased	9.8131	10.546	0.7332
324	20	HDR unbiased	10.419	9.8138	-0.605
325	20	HDR unbiased	8.8572	9.8438	0.9866
331	30	HDR unbiased	10.874	9.1352	-1.7392
332	30	HDR unbiased	9.206	9.4057	0.1997
333	30	HDR unbiased	11.012	9.5672	-1.445
334	30	HDR unbiased	9.5818	9.1952	-0.3866
335	30	HDR unbiased	10.741	10.25	-0.4906
351	50	HDR unbiased	9.3195	9.8557	0.5362
352	50	HDR unbiased	10.896	10.113	-0.7825
353	50	HDR unbiased	9.2865	9.8601	0.5736
354	50	HDR unbiased	10.727	9.0579	-1.6693
355	50	HDR unbiased	9.1132	10.005	0.8918

TID vs Post - Pre Exposure Delta

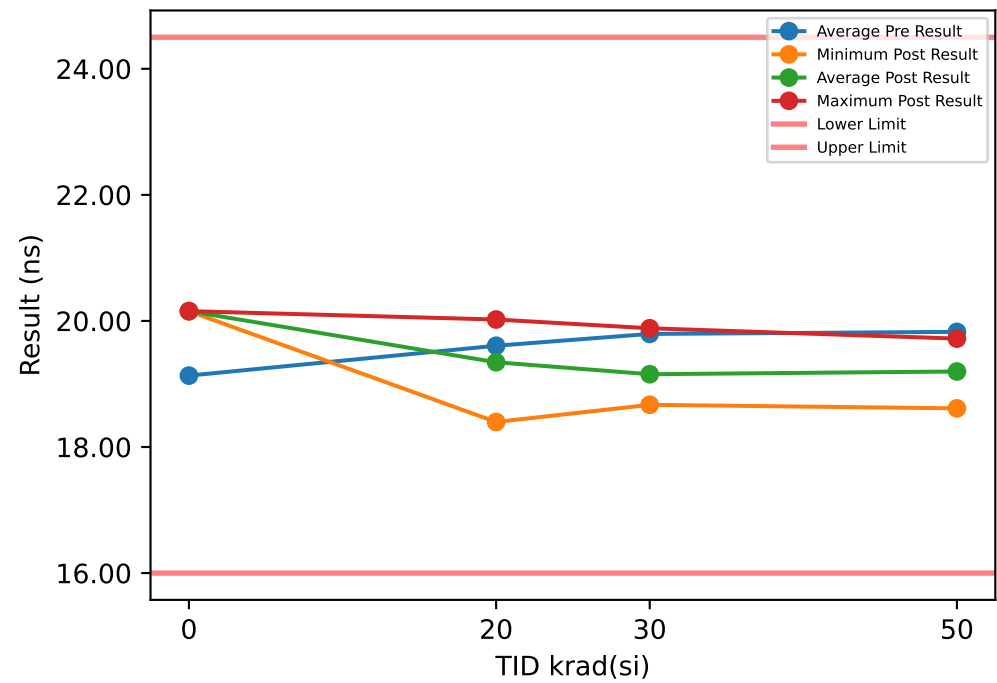


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.2043	9.2043	9.2043		10.556	10.556	10.556		1.3514	1.3514	1.3514	
20	8.8572	9.8427	10.693	0.63533	8.7393	9.7702	10.546	0.54813	-1.6594	-0.07255	0.9866	0.92788
30	9.1738	10.09	11.012	0.81391	8.9137	9.5405	10.25	0.45815	-1.7392	-0.54912	0.6039	0.69609
50	8.9016	10.057	11.127	0.89468	8.7428	9.7205	10.255	0.54068	-1.6693	-0.33648	0.8918	0.79742

Device Test: 97.26 T_RHL_MID(_DHL Dead Time Mid 1MHz VIN_14V)

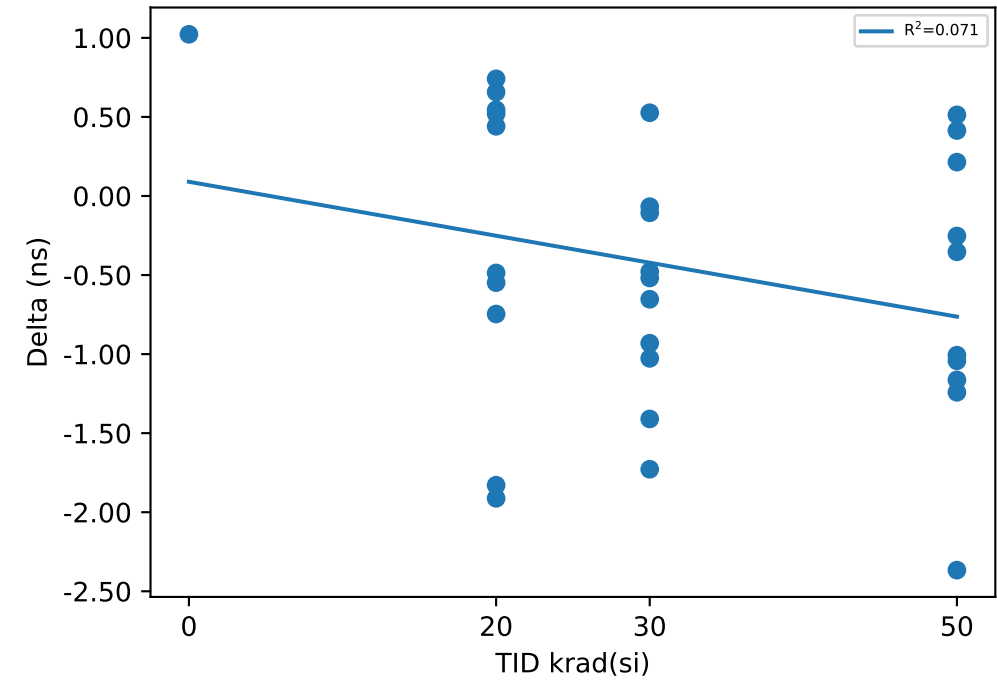
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.133	20.155	1.0225
121	20	HDR biased	19.066	19.723	0.657
122	20	HDR biased	20.313	18.484	-1.8291
123	20	HDR biased	18.688	19.128	0.4407
124	20	HDR biased	20.212	19.664	-0.5481
125	20	HDR biased	18.884	18.397	-0.4867
131	30	HDR biased	20.184	19.253	-0.9311
132	30	HDR biased	19.027	18.92	-0.1066
133	30	HDR biased	19.316	18.797	-0.5186
134	30	HDR biased	20.621	19.594	-1.027
135	30	HDR biased	18.601	19.127	0.5265
151	50	HDR biased	20.453	19.447	-1.0067
152	50	HDR biased	18.946	18.693	-0.2531
153	50	HDR biased	20.659	19.418	-1.2416
154	50	HDR biased	18.982	18.629	-0.3532
155	50	HDR biased	20.641	19.598	-1.0423
321	20	HDR unbiased	19.503	20.023	0.5201
322	20	HDR unbiased	20.694	18.782	-1.912
323	20	HDR unbiased	19.414	19.959	0.545
324	20	HDR unbiased	20.347	19.601	-0.7466
325	20	HDR unbiased	18.944	19.685	0.741
331	30	HDR unbiased	20.398	18.67	-1.7283
332	30	HDR unbiased	19.081	19.014	-0.0675
333	30	HDR unbiased	20.89	19.48	-1.4101
334	30	HDR unbiased	19.46	18.807	-0.6531
335	30	HDR unbiased	20.362	19.884	-0.4783
351	50	HDR unbiased	18.871	19.285	0.4139
352	50	HDR unbiased	20.883	19.72	-1.1631
353	50	HDR unbiased	19.083	19.297	0.2142
354	50	HDR unbiased	20.979	18.613	-2.3663
355	50	HDR unbiased	18.769	19.282	0.513

TID vs Post - Pre Exposure Delta

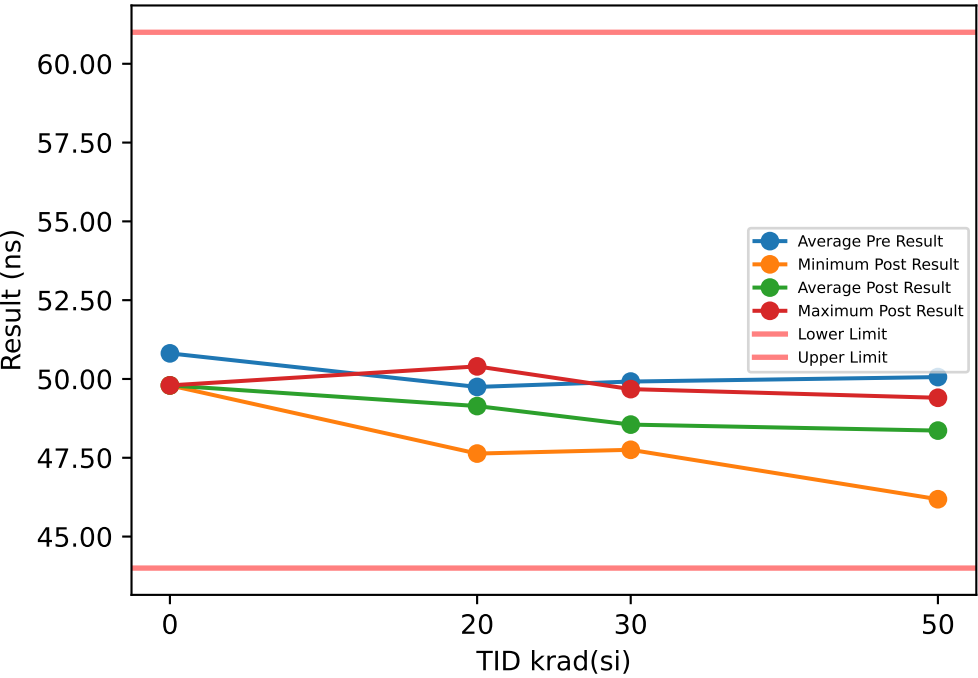


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.133	19.133	19.133		20.155	20.155	20.155		1.0225	1.0225	1.0225	
20	18.688	19.606	20.694	0.72597	18.397	19.345	20.023	0.60232	-1.912	-0.26187	0.741	1.0085
30	18.601	19.794	20.89	0.78771	18.67	19.155	19.884	0.3943	-1.7283	-0.63941	0.5265	0.66883
50	18.769	19.827	20.979	0.95844	18.613	19.198	19.72	0.40661	-2.3663	-0.62852	0.513	0.90138

Device Test: 97.27 T_RHL_LARGE(_DHL Dead Time Large 1MHz VIN_14V)

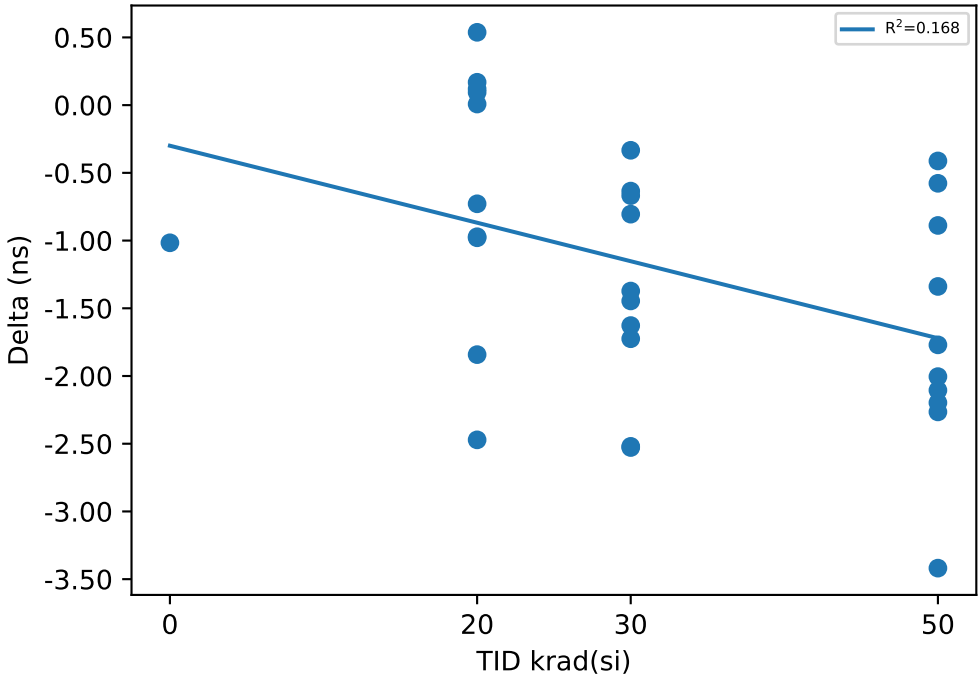
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	50.812	49.796	-1.0164
121	20	HDR biased	49.123	49.291	0.1688
122	20	HDR biased	51.026	49.184	-1.8421
123	20	HDR biased	48.085	48.093	0.0081
124	20	HDR biased	50.254	49.283	-0.9717
125	20	HDR biased	48.362	47.633	-0.7285
131	30	HDR biased	49.793	48.069	-1.7248
132	30	HDR biased	49.367	47.995	-1.3727
133	30	HDR biased	49.455	48.82	-0.6347
134	30	HDR biased	50.806	49.179	-1.6275
135	30	HDR biased	48.141	47.807	-0.3334
151	50	HDR biased	50.256	48.151	-2.1052
152	50	HDR biased	50.742	49.403	-1.3387
153	50	HDR biased	49.861	47.663	-2.197
154	50	HDR biased	47.955	46.185	-1.77
155	50	HDR biased	50.868	48.864	-2.0045
321	20	HDR unbiased	49.731	49.851	0.1196
322	20	HDR unbiased	51.306	48.835	-2.4714
323	20	HDR unbiased	48.83	48.924	0.094
324	20	HDR unbiased	50.893	49.914	-0.9794
325	20	HDR unbiased	49.861	50.399	0.5377
331	30	HDR unbiased	50.281	47.753	-2.528
332	30	HDR unbiased	49.638	48.833	-0.805
333	30	HDR unbiased	51.229	48.709	-2.5194
334	30	HDR unbiased	49.348	48.68	-0.6678
335	30	HDR unbiased	51.124	49.678	-1.4457
351	50	HDR unbiased	49.045	48.467	-0.5772
352	50	HDR unbiased	51.66	49.395	-2.265
353	50	HDR unbiased	49.594	48.705	-0.8883
354	50	HDR unbiased	52.37	48.951	-3.4186
355	50	HDR unbiased	48.25	47.838	-0.4121

TID vs Post - Pre Exposure Delta

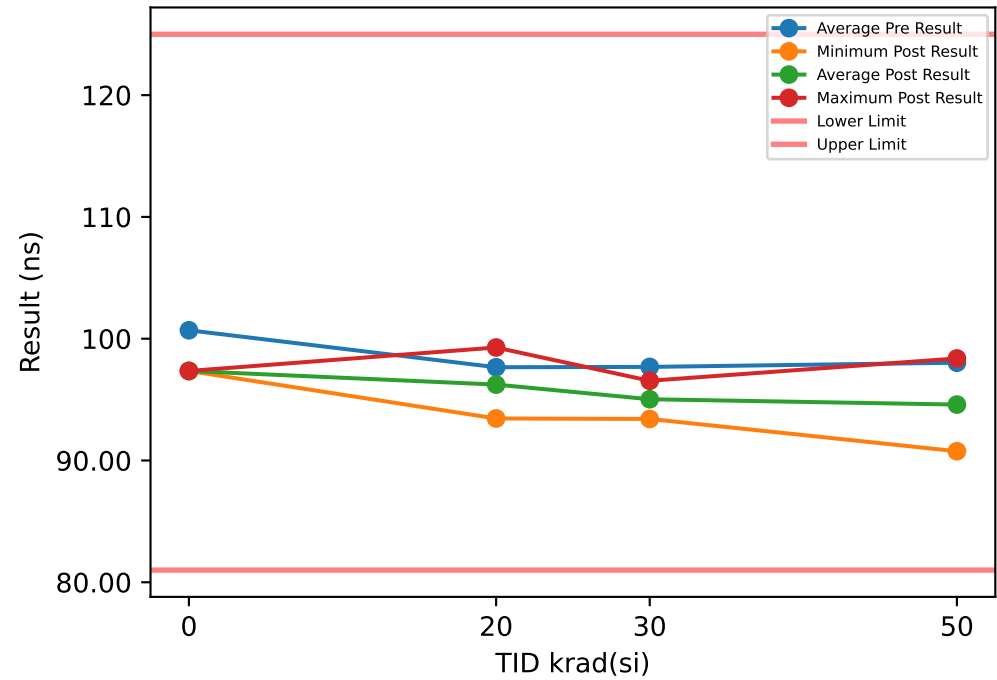


Test Statistics (ns)

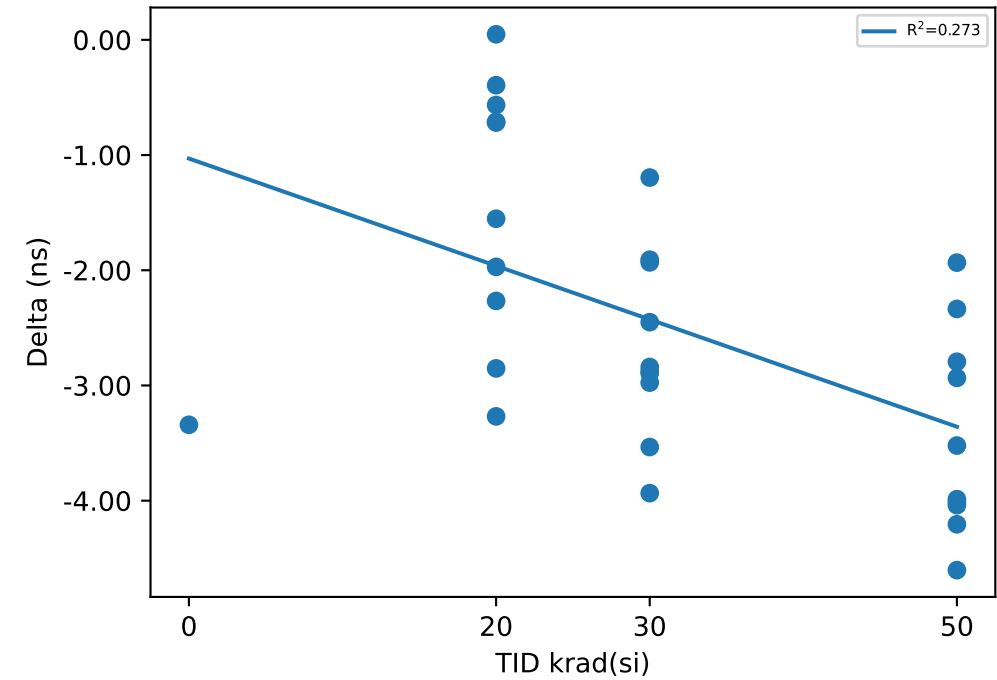
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	50.812	50.812	50.812		49.796	49.796	49.796		-1.0164	-1.0164	-1.0164	
20	48.085	49.747	51.306	1.1334	47.633	49.141	50.399	0.83262	-2.4714	-0.60649	0.5377	0.9774
30	48.141	49.918	51.229	0.95388	47.753	48.552	49.678	0.63167	-2.528	-1.3659	-0.3334	0.76648
50	47.955	50.06	52.37	1.4161	46.185	48.362	49.403	0.96762	-3.4186	-1.6977	-0.4121	0.91228

Device Test: 97.28 T_RHL_MAX(_DHL Dead Time Max 1MHz VIN_14V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

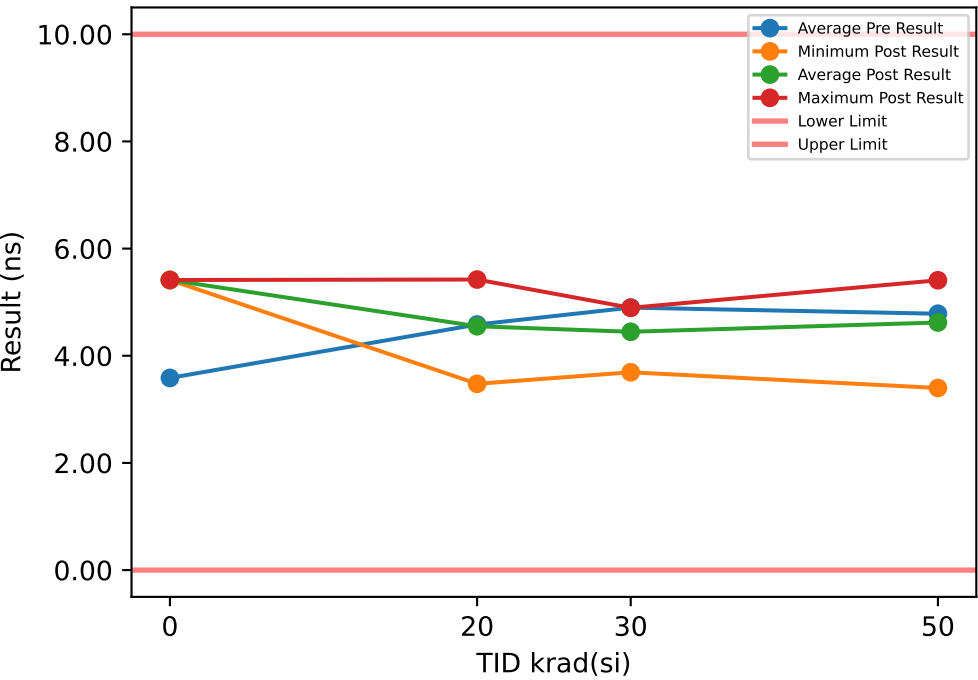
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	100.69	97.351	-3.3414
121	20	HDR biased	96.912	96.201	-0.7111
122	20	HDR biased	100.3	97.033	-3.2684
123	20	HDR biased	94.613	93.894	-0.7182
124	20	HDR biased	98.288	96.021	-2.2663
125	20	HDR biased	95.421	93.45	-1.9707
131	30	HDR biased	97.067	94.092	-2.9752
132	30	HDR biased	97.598	95.147	-2.4507
133	30	HDR biased	96.992	95.083	-1.9085
134	30	HDR biased	98.925	96.031	-2.8939
135	30	HDR biased	94.606	93.41	-1.1955
151	50	HDR biased	96.822	92.835	-3.9873
152	50	HDR biased	101.17	98.38	-2.7942
153	50	HDR biased	96.188	92.174	-4.0141
154	50	HDR biased	94.281	90.759	-3.5218
155	50	HDR biased	98.919	94.714	-4.205
321	20	HDR unbiased	97.274	96.88	-0.3937
322	20	HDR unbiased	99.894	97.042	-2.8519
323	20	HDR unbiased	95.3	94.735	-0.5654
324	20	HDR unbiased	99.345	97.792	-1.5527
325	20	HDR unbiased	99.23	99.278	0.0479
331	30	HDR unbiased	97.704	94.17	-3.5344
332	30	HDR unbiased	97.912	95.072	-2.8398
333	30	HDR unbiased	99.629	95.694	-3.9346
334	30	HDR unbiased	96.986	95.054	-1.9317
335	30	HDR unbiased	99.422	96.544	-2.8776
351	50	HDR unbiased	96.922	94.586	-2.3358
352	50	HDR unbiased	100.79	96.754	-4.0391
353	50	HDR unbiased	98.045	95.111	-2.9343
354	50	HDR unbiased	102.16	97.555	-4.6029
355	50	HDR unbiased	94.982	93.049	-1.9338

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	100.69	100.69	100.69		97.351	97.351	97.351		-3.3414	-3.3414	-3.3414	
20	94.613	97.658	100.3	2.0613	93.45	96.233	99.278	1.7925	-3.2684	-1.425	0.0479	1.1273
30	94.606	97.684	99.629	1.4616	93.41	95.03	96.544	0.94278	-3.9346	-2.6542	-1.1955	0.8101
50	94.281	98.028	102.16	2.6826	90.759	94.592	98.38	2.4515	-4.6029	-3.4368	-1.9338	0.88775

Device Test: 97.29 T_RHL_MIN(_DHL Dead Time Min 2MHz VIN_14V)

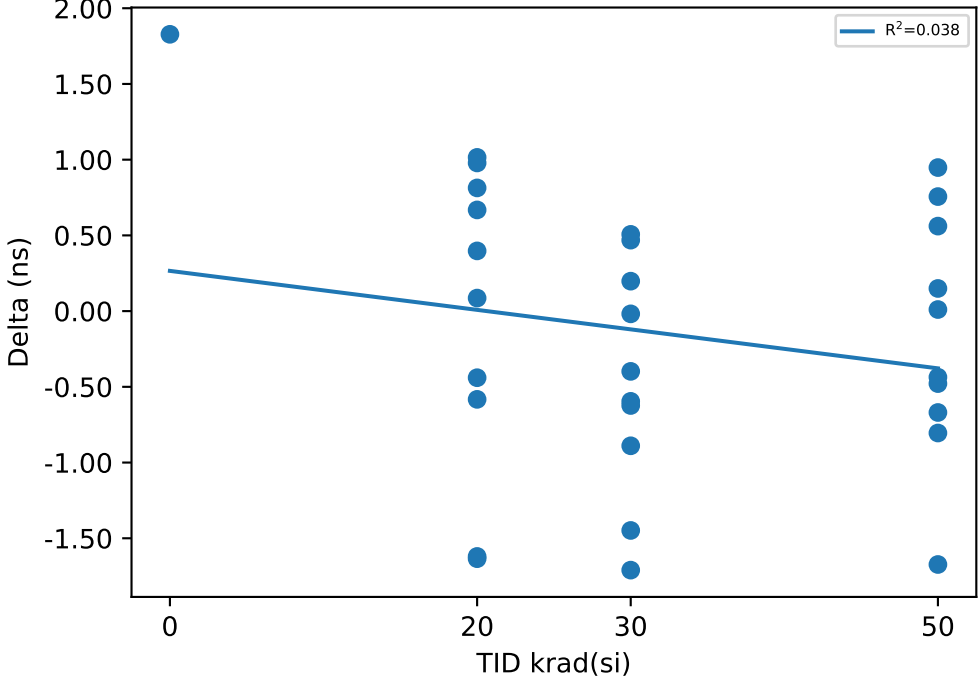
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.5861	5.4139	1.8278
121	20	HDR biased	3.9735	4.9886	1.0151
122	20	HDR biased	5.1113	3.4765	-1.6348
123	20	HDR biased	4.3186	4.7162	0.3976
124	20	HDR biased	5.1853	4.7455	-0.4398
125	20	HDR biased	4.3459	4.432	0.0861
131	30	HDR biased	5.438	4.8422	-0.5958
132	30	HDR biased	4.0894	3.6915	-0.3979
133	30	HDR biased	4.2217	4.4194	0.1977
134	30	HDR biased	5.7588	4.8695	-0.8893
135	30	HDR biased	4.2333	4.7401	0.5068
151	50	HDR biased	5.4852	5.049	-0.4362
152	50	HDR biased	3.2492	3.3988	0.1496
153	50	HDR biased	6.078	5.4086	-0.6694
154	50	HDR biased	4.5897	4.6002	0.0105
155	50	HDR biased	5.6337	4.8288	-0.8049
321	20	HDR unbiased	4.3429	5.0111	0.6682
322	20	HDR unbiased	5.347	3.727	-1.62
323	20	HDR unbiased	4.609	5.4225	0.8135
324	20	HDR unbiased	5.0975	4.5148	-0.5827
325	20	HDR unbiased	3.4953	4.4737	0.9784
331	30	HDR unbiased	5.8125	4.1021	-1.7104
332	30	HDR unbiased	3.8405	4.3091	0.4686
333	30	HDR unbiased	5.7961	4.3478	-1.4483
334	30	HDR unbiased	4.2765	4.2584	-0.0181
335	30	HDR unbiased	5.518	4.8948	-0.6232
351	50	HDR unbiased	4.0652	4.6265	0.5613
352	50	HDR unbiased	5.4669	4.9883	-0.4786
353	50	HDR unbiased	3.9091	4.6654	0.7563
354	50	HDR unbiased	5.3883	3.7152	-1.6731
355	50	HDR unbiased	3.9769	4.9248	0.9479

TID vs Post - Pre Exposure Delta

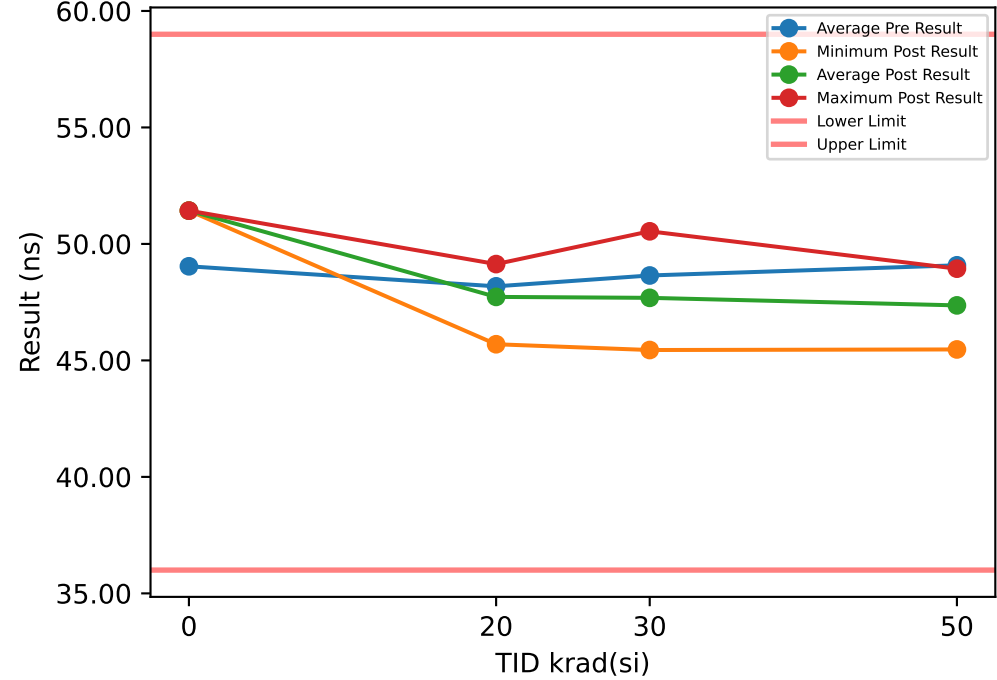


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.5861	3.5861	3.5861		5.4139	5.4139	5.4139		1.8278	1.8278	1.8278	
20	3.4953	4.5826	5.347	0.59901	3.4765	4.5508	5.4225	0.58526	-1.6348	-0.03184	1.0151	1.0045
30	3.8405	4.8985	5.8125	0.82445	3.6915	4.4475	4.8948	0.39102	-1.7104	-0.45099	0.5068	0.75993
50	3.2492	4.7842	6.078	0.94555	3.3988	4.6206	5.4086	0.61378	-1.6731	-0.16366	0.9479	0.80655

Device Test: 97.3 T_RLH_LARGE(_DLHDead Time Large 500kHz VIN_14V)

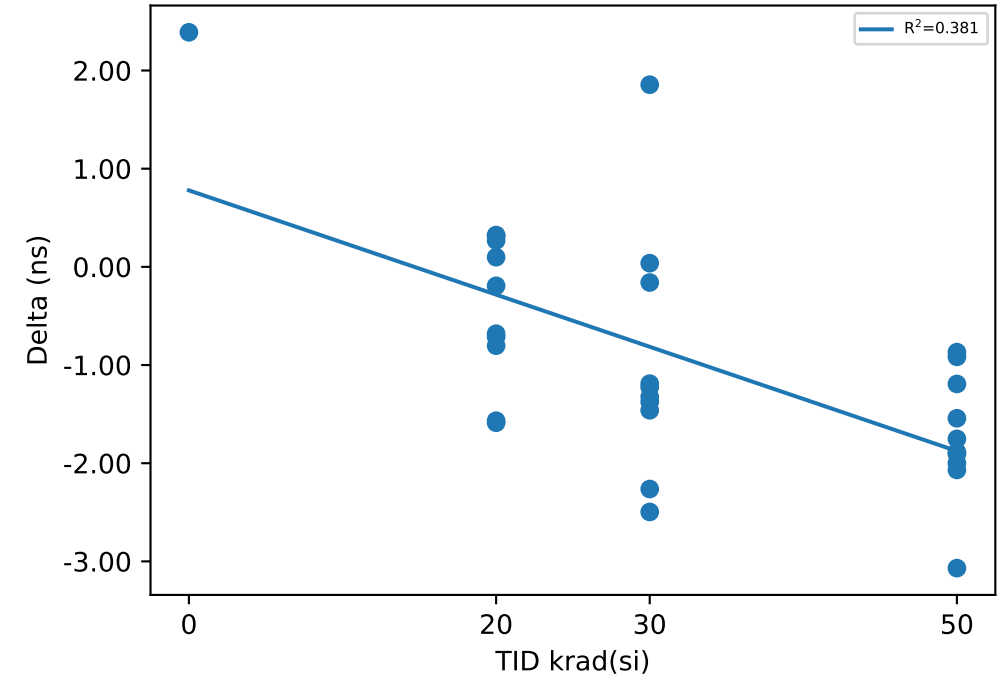
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	49.04	51.429	2.3891
121	20	HDR biased	48.138	48.462	0.324
122	20	HDR biased	47.261	45.694	-1.5672
123	20	HDR biased	46.082	46.395	0.3123
124	20	HDR biased	49.285	48.483	-0.8028
125	20	HDR biased	48.529	47.848	-0.681
131	30	HDR biased	50.504	50.542	0.0376
132	30	HDR biased	46.672	45.446	-1.2255
133	30	HDR biased	48.492	47.031	-1.4609
134	30	HDR biased	49.631	48.442	-1.1895
135	30	HDR biased	49.119	48.959	-0.1594
151	50	HDR biased	50.128	48.241	-1.8875
152	50	HDR biased	47.539	45.471	-2.0685
153	50	HDR biased	49.826	47.919	-1.9064
154	50	HDR biased	49.963	47.964	-1.9998
155	50	HDR biased	49.664	48.121	-1.5423
321	20	HDR unbiased	48.052	48.32	0.2686
322	20	HDR unbiased	48.876	47.288	-1.5878
323	20	HDR unbiased	49.036	49.135	0.0983
324	20	HDR unbiased	48.988	48.275	-0.7129
325	20	HDR unbiased	47.556	47.362	-0.1932
331	30	HDR unbiased	48.889	46.627	-2.2629
332	30	HDR unbiased	47.454	49.309	1.8556
333	30	HDR unbiased	48.795	46.298	-2.4965
334	30	HDR unbiased	47.761	46.386	-1.3754
335	30	HDR unbiased	49.142	47.818	-1.3237
351	50	HDR unbiased	49.854	48.938	-0.9166
352	50	HDR unbiased	49.487	47.735	-1.7525
353	50	HDR unbiased	47.369	46.5	-0.8687
354	50	HDR unbiased	48.663	45.594	-3.0688
355	50	HDR unbiased	48.333	47.14	-1.1926

TID vs Post - Pre Exposure Delta

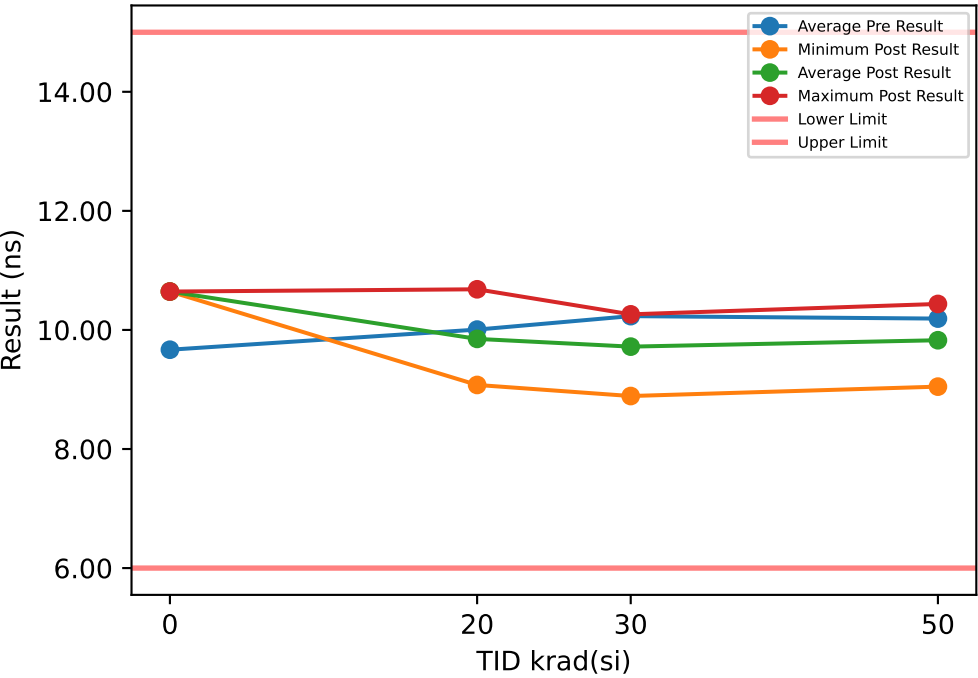


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	49.04	49.04	49.04		51.429	51.429	51.429		2.3891	2.3891	2.3891	
20	46.082	48.18	49.285	0.99253	45.694	47.726	49.135	1.0538	-1.5878	-0.45417	0.324	0.73429
30	46.672	48.646	50.504	1.1106	45.446	47.686	50.542	1.6051	-2.4965	-0.96006	1.8556	1.2606
50	47.369	49.083	50.128	1.0315	45.471	47.362	48.938	1.1613	-3.0688	-1.7204	-0.8687	0.64659

Device Test: 97.30 T_RHL_SMALL(_DHL Dead Time Small 2MHz VIN_14V)

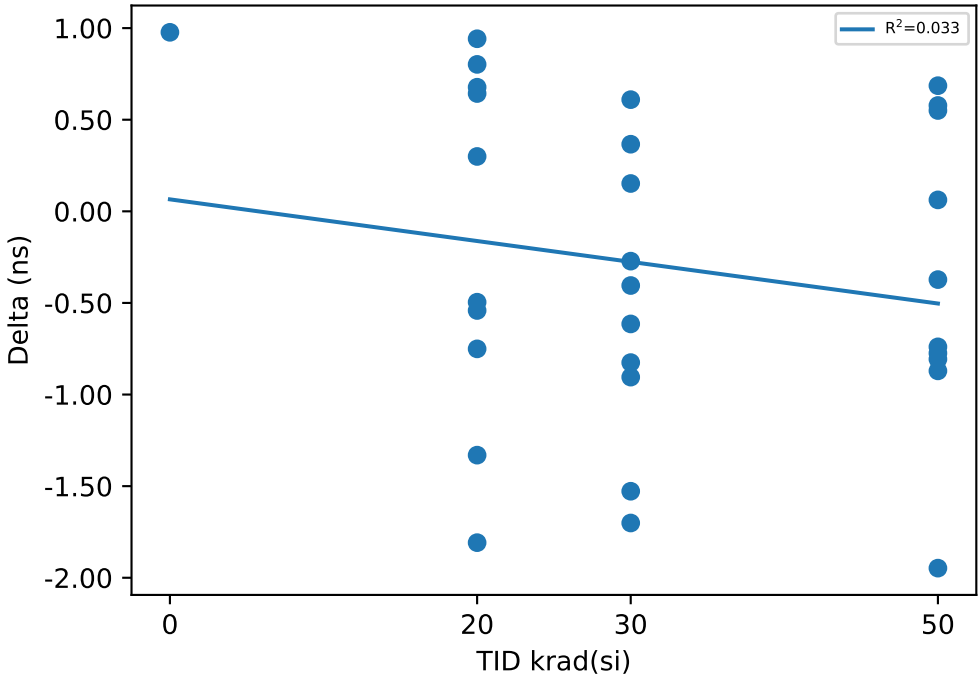
TID vs Result Stats



Test Results (Lower Limit = 6.0, Upper Limit = 15.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	9.6678	10.645	0.9771
121	20	HDR biased	9.5212	10.199	0.6774
122	20	HDR biased	10.593	9.2622	-1.3308
123	20	HDR biased	9.522	9.8215	0.2995
124	20	HDR biased	10.671	10.13	-0.5412
125	20	HDR biased	9.6318	9.1358	-0.496
131	30	HDR biased	10.856	10.031	-0.8256
132	30	HDR biased	9.2948	8.8899	-0.4049
133	30	HDR biased	9.5731	9.3012	-0.2719
134	30	HDR biased	11.026	10.121	-0.9049
135	30	HDR biased	9.5033	9.8696	0.3663
151	50	HDR biased	11.018	10.243	-0.7744
152	50	HDR biased	8.9853	9.0477	0.0624
153	50	HDR biased	11.176	10.437	-0.7397
154	50	HDR biased	9.5647	9.1921	-0.3726
155	50	HDR biased	10.971	10.164	-0.8069
321	20	HDR unbiased	9.658	10.301	0.643
322	20	HDR unbiased	10.884	9.076	-1.8084
323	20	HDR unbiased	9.8808	10.683	0.802
324	20	HDR unbiased	10.647	9.8961	-0.7507
325	20	HDR unbiased	9.0506	9.9925	0.9419
331	30	HDR unbiased	10.92	9.2187	-1.7011
332	30	HDR unbiased	9.4076	10.017	0.6096
333	30	HDR unbiased	11.138	9.6105	-1.5278
334	30	HDR unbiased	9.7232	9.8751	0.1519
335	30	HDR unbiased	10.877	10.262	-0.6146
351	50	HDR unbiased	9.3604	9.9381	0.5777
352	50	HDR unbiased	11.04	10.169	-0.8708
353	50	HDR unbiased	9.3845	9.9349	0.5504
354	50	HDR unbiased	11.004	9.0566	-1.9475
355	50	HDR unbiased	9.4029	10.089	0.6858

TID vs Post - Pre Exposure Delta

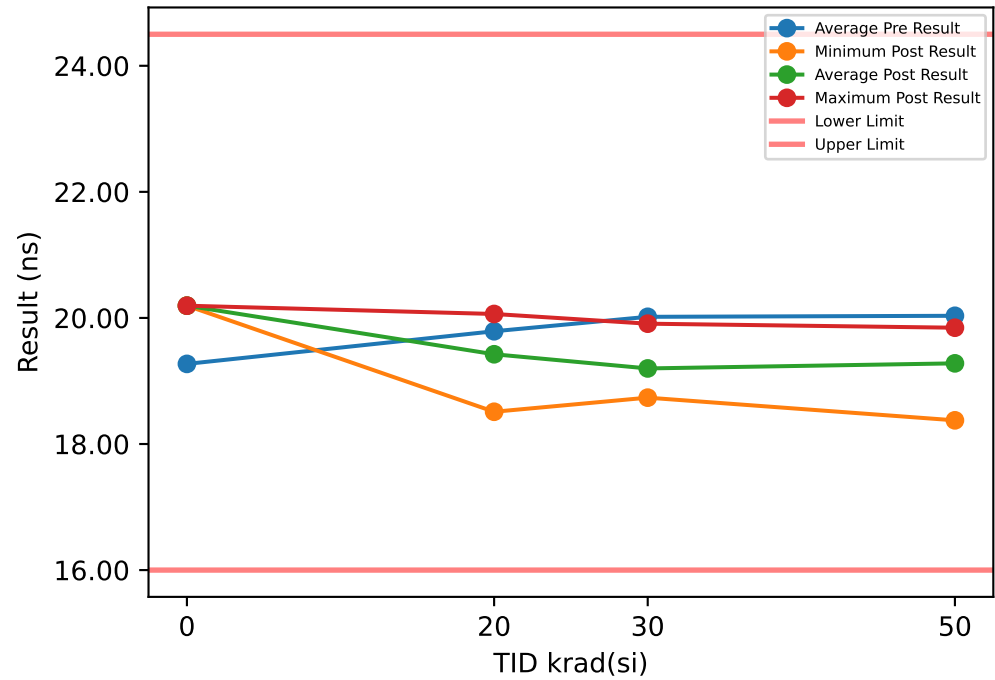


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.6678	9.6678	9.6678		10.645	10.645	10.645		0.9771	0.9771	0.9771	
20	9.0506	10.006	10.884	0.63489	9.076	9.8496	10.683	0.53485	-1.8084	-0.15633	0.9419	0.96562
30	9.2948	10.232	11.138	0.78264	8.8899	9.7196	10.262	0.44895	-1.7011	-0.5123	0.6096	0.76364
50	8.9853	10.191	11.176	0.90991	9.0477	9.8271	10.437	0.52406	-1.9475	-0.36356	0.6858	0.83513

Device Test: 97.31 T_RHL_MID(_DHL Dead Time Mid 2MHz VIN_14V)

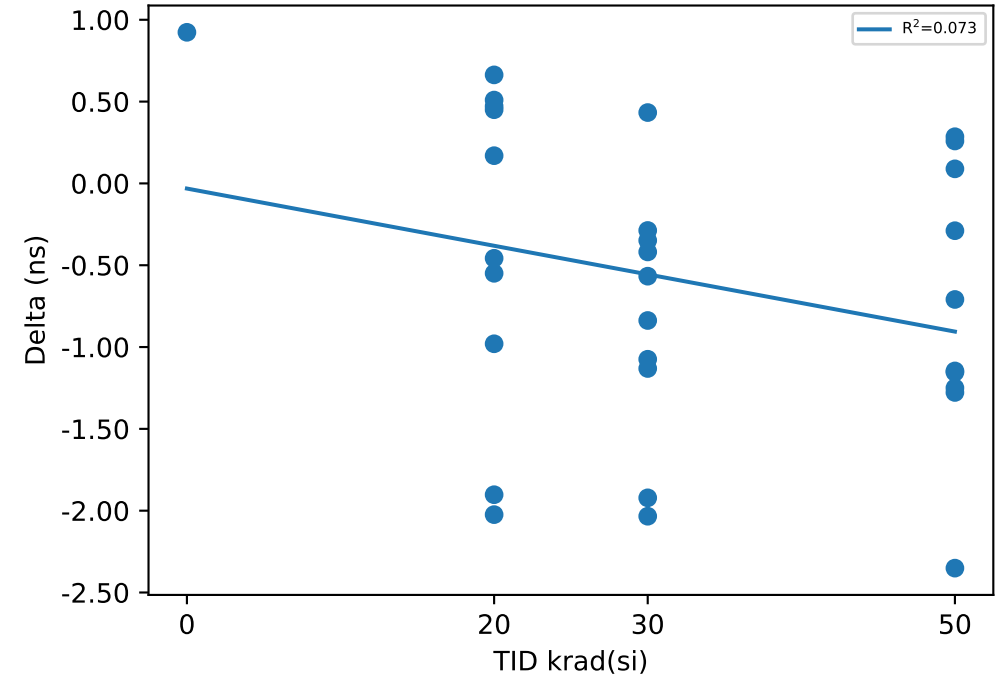
TID vs Result Stats



Test Results (Lower Limit = 16.0, Upper Limit = 24.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.271	20.194	0.9234
121	20	HDR biased	19.303	19.775	0.4713
122	20	HDR biased	20.504	18.601	-1.9024
123	20	HDR biased	18.977	19.146	0.1695
124	20	HDR biased	20.183	19.726	-0.4575
125	20	HDR biased	19.061	18.512	-0.5494
131	30	HDR biased	20.415	19.341	-1.0746
132	30	HDR biased	19.305	18.886	-0.4187
133	30	HDR biased	19.255	18.967	-0.2876
134	30	HDR biased	20.864	19.733	-1.131
135	30	HDR biased	18.817	19.25	0.433
151	50	HDR biased	20.726	19.58	-1.146
152	50	HDR biased	19.116	18.827	-0.289
153	50	HDR biased	20.763	19.609	-1.154
154	50	HDR biased	19.085	18.376	-0.7092
155	50	HDR biased	20.891	19.641	-1.2499
321	20	HDR unbiased	19.597	20.047	0.4504
322	20	HDR unbiased	20.833	18.809	-2.0241
323	20	HDR unbiased	19.553	20.063	0.5093
324	20	HDR unbiased	20.662	19.681	-0.98
325	20	HDR unbiased	19.213	19.876	0.6632
331	30	HDR unbiased	20.769	18.735	-2.0339
332	30	HDR unbiased	19.367	19.019	-0.3485
333	30	HDR unbiased	21.143	19.221	-1.9215
334	30	HDR unbiased	19.494	18.927	-0.567
335	30	HDR unbiased	20.746	19.909	-0.8377
351	50	HDR unbiased	19.095	19.38	0.2853
352	50	HDR unbiased	21.122	19.845	-1.2775
353	50	HDR unbiased	19.355	19.444	0.089
354	50	HDR unbiased	21.121	18.77	-2.3511
355	50	HDR unbiased	19.065	19.324	0.2593

TID vs Post - Pre Exposure Delta

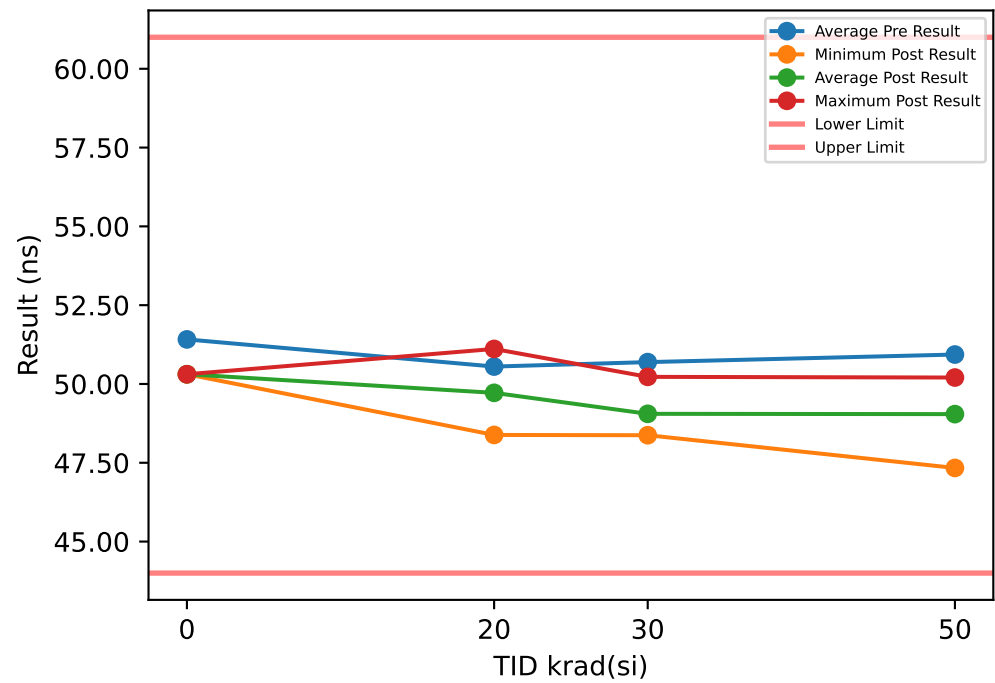


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.271	19.271	19.271		20.194	20.194	20.194		0.9234	0.9234	0.9234	
20	18.977	19.789	20.833	0.69655	18.512	19.424	20.063	0.60058	-2.0241	-0.36497	0.6632	1.0005
30	18.817	20.018	21.143	0.84753	18.735	19.199	19.909	0.37794	-2.0339	-0.81875	0.433	0.75642
50	19.065	20.034	21.122	0.95087	18.376	19.28	19.845	0.46792	-2.3511	-0.75431	0.2853	0.8446

Device Test: 97.32 T_RHL_LARGE(_DHL Dead Time Large 2MHz VIN_14V)

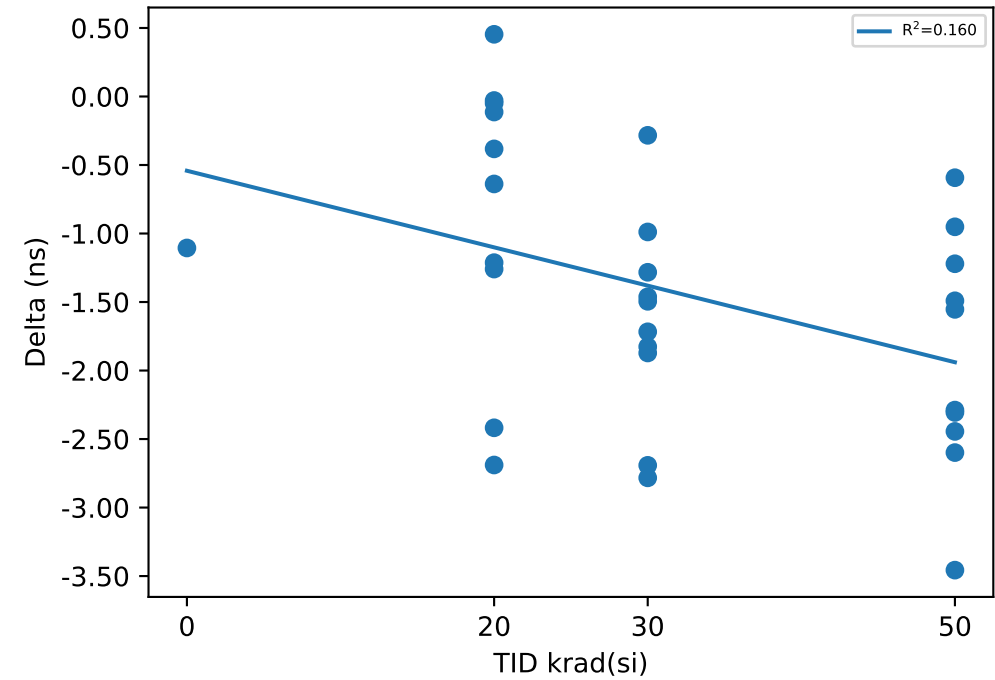
TID vs Result Stats



Test Results (Lower Limit = 44.0, Upper Limit = 61.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	51.414	50.308	-1.1055
121	20	HDR biased	49.939	49.889	-0.0495
122	20	HDR biased	51.844	49.426	-2.4179
123	20	HDR biased	48.94	48.557	-0.3824
124	20	HDR biased	51.15	49.891	-1.2595
125	20	HDR biased	49.021	48.383	-0.6383
131	30	HDR biased	50.438	48.612	-1.8262
132	30	HDR biased	50.173	48.678	-1.4948
133	30	HDR biased	50.046	49.057	-0.9886
134	30	HDR biased	51.607	49.735	-1.8718
135	30	HDR biased	48.721	48.438	-0.2834
151	50	HDR biased	51.015	48.709	-2.306
152	50	HDR biased	51.695	50.204	-1.491
153	50	HDR biased	50.505	48.217	-2.2887
154	50	HDR biased	48.89	47.336	-1.5536
155	50	HDR biased	51.877	49.433	-2.4442
321	20	HDR unbiased	50.545	50.431	-0.1134
322	20	HDR unbiased	52.213	49.523	-2.6894
323	20	HDR unbiased	49.526	49.496	-0.0293
324	20	HDR unbiased	51.691	50.479	-1.2126
325	20	HDR unbiased	50.658	51.111	0.4538
331	30	HDR unbiased	51.066	48.374	-2.6919
332	30	HDR unbiased	50.508	49.046	-1.4621
333	30	HDR unbiased	52.134	49.351	-2.7831
334	30	HDR unbiased	50.295	49.012	-1.2829
335	30	HDR unbiased	51.943	50.226	-1.7173
351	50	HDR unbiased	49.985	49.034	-0.9511
352	50	HDR unbiased	52.625	50.026	-2.5988
353	50	HDR unbiased	50.582	49.361	-1.2207
354	50	HDR unbiased	53.161	49.705	-3.4567
355	50	HDR unbiased	49.002	48.409	-0.5928

TID vs Post - Pre Exposure Delta

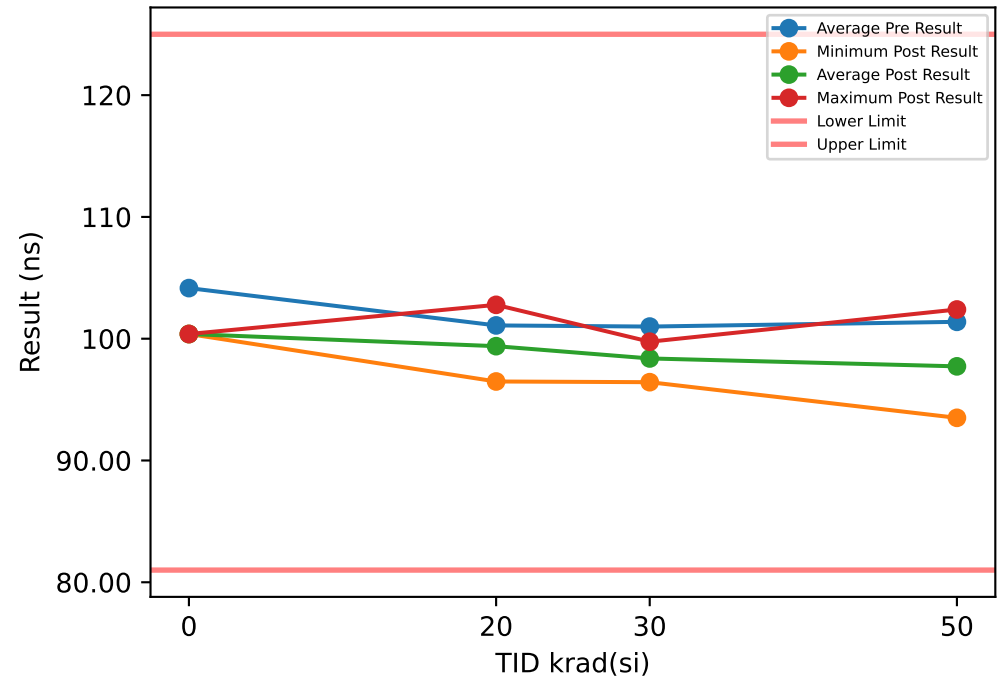


Test Statistics (ns)

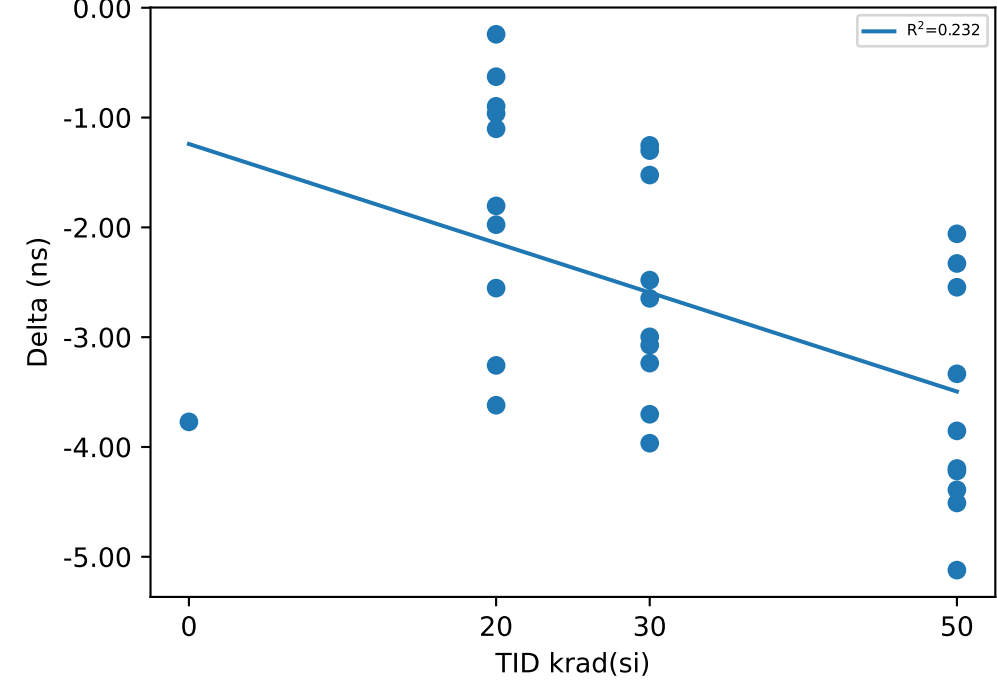
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	51.414	51.414	51.414		50.308	50.308	50.308		-1.1055	-1.1055	-1.1055	
20	48.94	50.553	52.213	1.1769	48.383	49.719	51.111	0.84263	-2.6894	-0.83385	0.4538	1.0519
30	48.721	50.693	52.134	1.0246	48.374	49.053	50.226	0.58735	-2.7831	-1.6402	-0.2834	0.74181
50	48.89	50.934	53.161	1.4304	47.336	49.043	50.204	0.8892	-3.4567	-1.8904	-0.5928	0.87437

Device Test: 97.33 T_RHL_MAX(_DHL Dead Time Max 2MHz VIN_14V)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



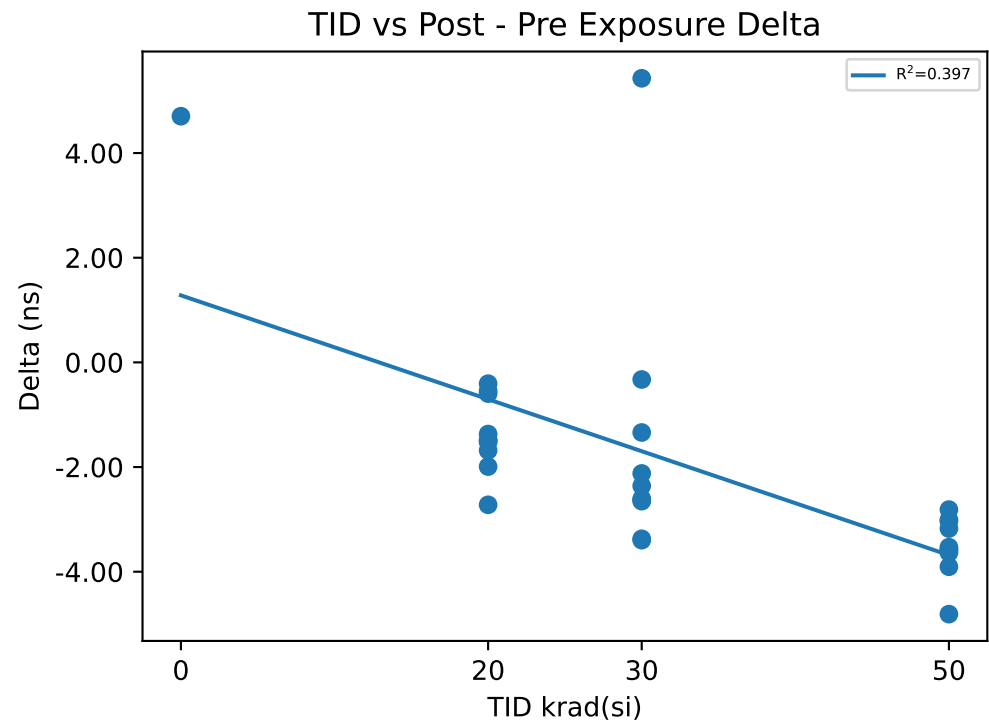
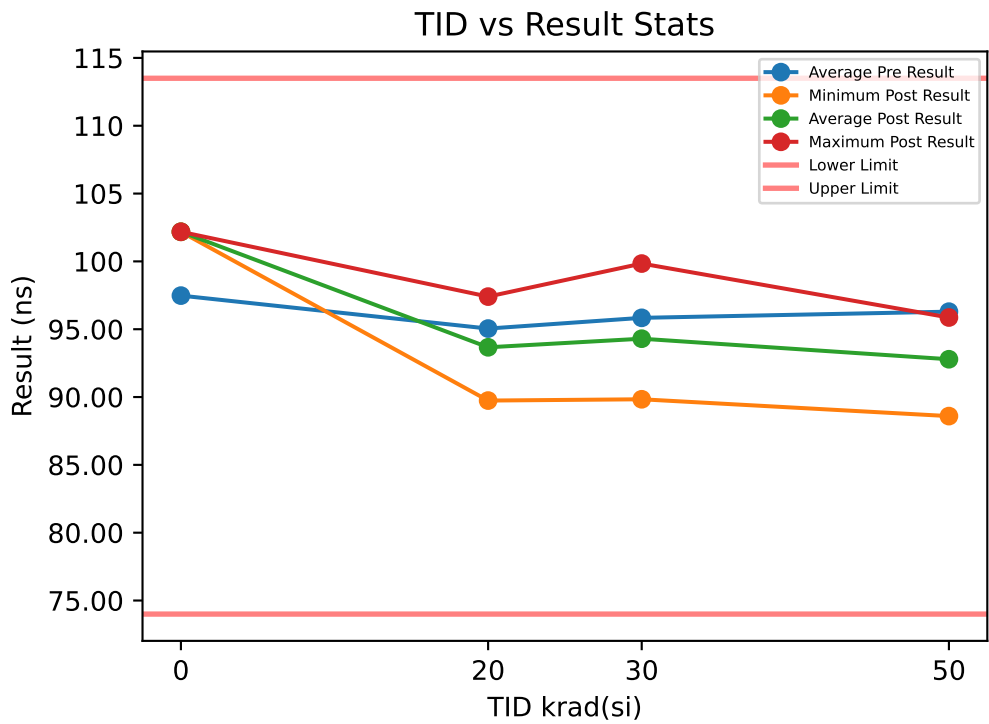
Test Results (Lower Limit = 81.0, Upper Limit = 125.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	104.16	100.39	-3.7713
121	20	HDR biased	100.16	99.265	-0.8977
122	20	HDR biased	103.7	100.44	-3.257
123	20	HDR biased	97.89	96.788	-1.1025
124	20	HDR biased	101.67	99.114	-2.5533
125	20	HDR biased	98.463	96.487	-1.9757
131	30	HDR biased	100.07	97.069	-2.997
132	30	HDR biased	100.84	98.36	-2.4805
133	30	HDR biased	100.27	98.964	-1.301
134	30	HDR biased	102.35	99.112	-3.2362
135	30	HDR biased	97.683	96.43	-1.2532
151	50	HDR biased	99.929	95.734	-4.1958
152	50	HDR biased	104.73	102.4	-2.3287
153	50	HDR biased	99.372	95.153	-4.2186
154	50	HDR biased	97.356	93.503	-3.8534
155	50	HDR biased	102.32	97.808	-4.5098
321	20	HDR unbiased	100.71	100.09	-0.6277
322	20	HDR unbiased	103.63	100.01	-3.6198
323	20	HDR unbiased	98.817	97.854	-0.9626
324	20	HDR unbiased	102.85	101.04	-1.8045
325	20	HDR unbiased	103.02	102.78	-0.2418
331	30	HDR unbiased	101.11	97.146	-3.9656
332	30	HDR unbiased	101.43	98.788	-2.6466
333	30	HDR unbiased	103.03	99.33	-3.7019
334	30	HDR unbiased	100.36	98.839	-1.5235
335	30	HDR unbiased	102.83	99.753	-3.0727
351	50	HDR unbiased	100.33	97.784	-2.5455
352	50	HDR unbiased	104.41	100.02	-4.3903
353	50	HDR unbiased	101.55	98.214	-3.3337
354	50	HDR unbiased	105.74	100.62	-5.1216
355	50	HDR unbiased	98.129	96.07	-2.0588

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	104.16	104.16	104.16		100.39	100.39	100.39		-3.7713	-3.7713	-3.7713	
20	97.89	101.09	103.7	2.2038	96.487	99.387	102.78	1.9393	-3.6198	-1.7043	-0.2418	1.1424
30	97.683	101	103.03	1.5751	96.43	98.379	99.753	1.1099	-3.9656	-2.6178	-1.2532	0.97401
50	97.356	101.39	105.74	2.8729	93.503	97.73	102.4	2.7257	-5.1216	-3.6556	-2.0588	1.0388

Device Test: 97.4 T_RLH_MAX(_DLH Dead Time Max 500kHz VIN_14V)



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

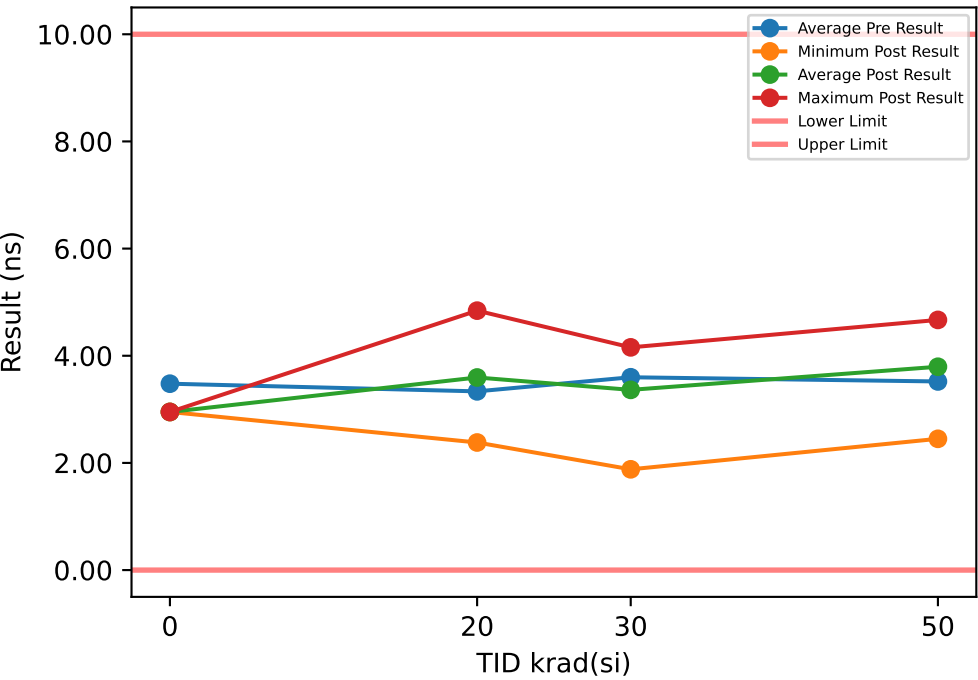
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	97.478	102.18	4.7037
121	20	HDR biased	94.355	93.949	-0.4067
122	20	HDR biased	92.462	89.74	-2.7214
123	20	HDR biased	90.538	89.995	-0.5439
124	20	HDR biased	96.159	94.633	-1.5257
125	20	HDR biased	97.236	95.751	-1.4848
131	30	HDR biased	100.17	99.841	-0.3269
132	30	HDR biased	91.958	89.835	-2.1225
133	30	HDR biased	95.589	92.984	-2.6051
134	30	HDR biased	97.268	94.908	-2.36
135	30	HDR biased	97.792	96.453	-1.3395
151	50	HDR biased	97.303	93.709	-3.5938
152	50	HDR biased	92.166	88.595	-3.5711
153	50	HDR biased	98.075	94.439	-3.6355
154	50	HDR biased	99.768	95.863	-3.9049
155	50	HDR biased	97.487	93.956	-3.5303
321	20	HDR unbiased	93.609	93.012	-0.5966
322	20	HDR unbiased	96.422	94.432	-1.9905
323	20	HDR unbiased	98.895	97.404	-1.4917
324	20	HDR unbiased	96.213	94.531	-1.6824
325	20	HDR unbiased	94.593	93.224	-1.3693
331	30	HDR unbiased	95.163	91.791	-3.3712
332	30	HDR unbiased	93.43	98.858	5.4282
333	30	HDR unbiased	94.988	91.591	-3.397
334	30	HDR unbiased	94.523	91.888	-2.6355
335	30	HDR unbiased	97.505	94.853	-2.6518
351	50	HDR unbiased	98.127	95.121	-3.0065
352	50	HDR unbiased	96.148	92.974	-3.1744
353	50	HDR unbiased	93.51	90.474	-3.0354
354	50	HDR unbiased	95.291	90.48	-4.8106
355	50	HDR unbiased	95.067	92.254	-2.8129

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.478	97.478	97.478		102.18	102.18	102.18		4.7037	4.7037	4.7037	
20	90.538	95.048	98.895	2.4462	89.74	93.667	97.404	2.3614	-2.7214	-1.3813	-0.4067	0.71246
30	91.958	95.838	100.17	2.3855	89.835	94.3	99.841	3.2981	-3.397	-1.5381	5.4282	2.613
50	92.166	96.294	99.768	2.3182	88.595	92.787	95.863	2.3195	-4.8106	-3.5075	-2.8129	0.57268

Device Test: 97.5 T_RLH_MIN(_DLH Dead Time Min 1MHz VIN_14V)

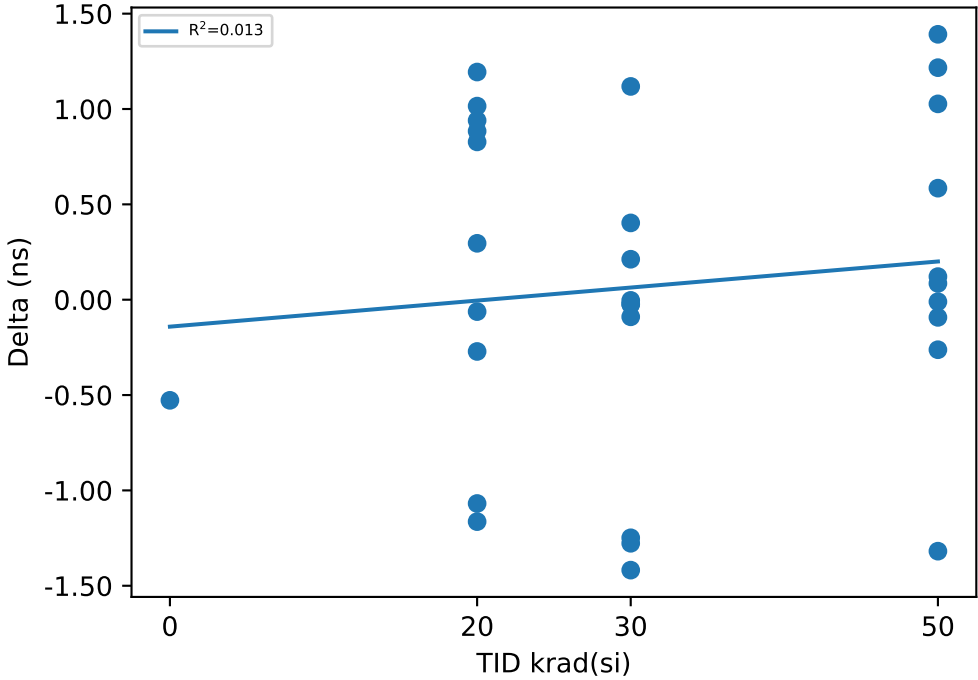
TID vs Result Stats



Test Results (Lower Limit = 0.0, Upper Limit = 10.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	3.4786	2.951	-0.5276
121	20	HDR biased	3.5434	4.4273	0.8839
122	20	HDR biased	4.1904	3.1218	-1.0686
123	20	HDR biased	3.8267	4.8419	1.0152
124	20	HDR biased	4.4038	4.1324	-0.2714
125	20	HDR biased	2.4053	2.701	0.2957
131	30	HDR biased	3.5547	3.465	-0.0897
132	30	HDR biased	3.112	3.5147	0.4027
133	30	HDR biased	3.451	3.6632	0.2122
134	30	HDR biased	4.1602	4.1567	-0.0035
135	30	HDR biased	3.017	4.1354	1.1184
151	50	HDR biased	4.5478	4.6689	0.1211
152	50	HDR biased	3.9074	3.6451	-0.2623
153	50	HDR biased	3.5515	3.637	0.0855
154	50	HDR biased	2.7742	3.3591	0.5849
155	50	HDR biased	4.3262	4.2336	-0.0926
321	20	HDR unbiased	3.321	4.5149	1.1939
322	20	HDR unbiased	3.5449	2.3812	-1.1637
323	20	HDR unbiased	1.6348	2.5747	0.9399
324	20	HDR unbiased	3.6541	3.5917	-0.0624
325	20	HDR unbiased	2.8303	3.6578	0.8275
331	30	HDR unbiased	4.2964	3.0479	-1.2485
332	30	HDR unbiased	3.2988	1.8807	-1.4181
333	30	HDR unbiased	4.8399	3.5626	-1.2773
334	30	HDR unbiased	2.7528	2.7276	-0.0252
335	30	HDR unbiased	3.5031	3.4812	-0.0219
351	50	HDR unbiased	2.4796	3.6964	1.2168
352	50	HDR unbiased	3.867	3.8566	-0.0104
353	50	HDR unbiased	3.2174	4.6091	1.3917
354	50	HDR unbiased	3.7685	2.4498	-1.3187
355	50	HDR unbiased	2.7645	3.7914	1.0269

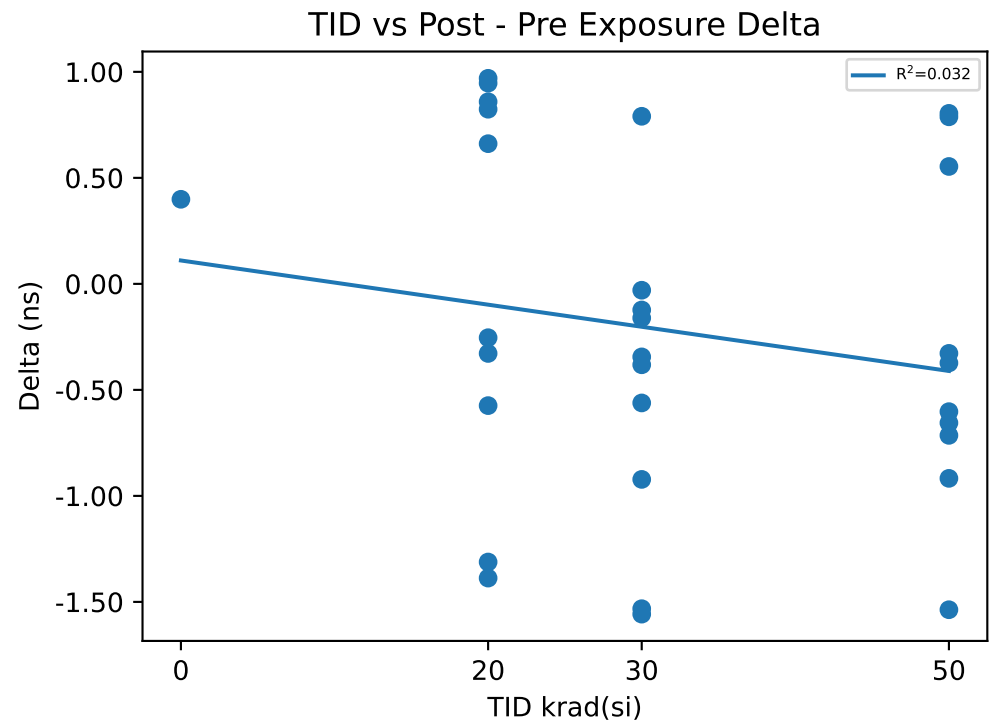
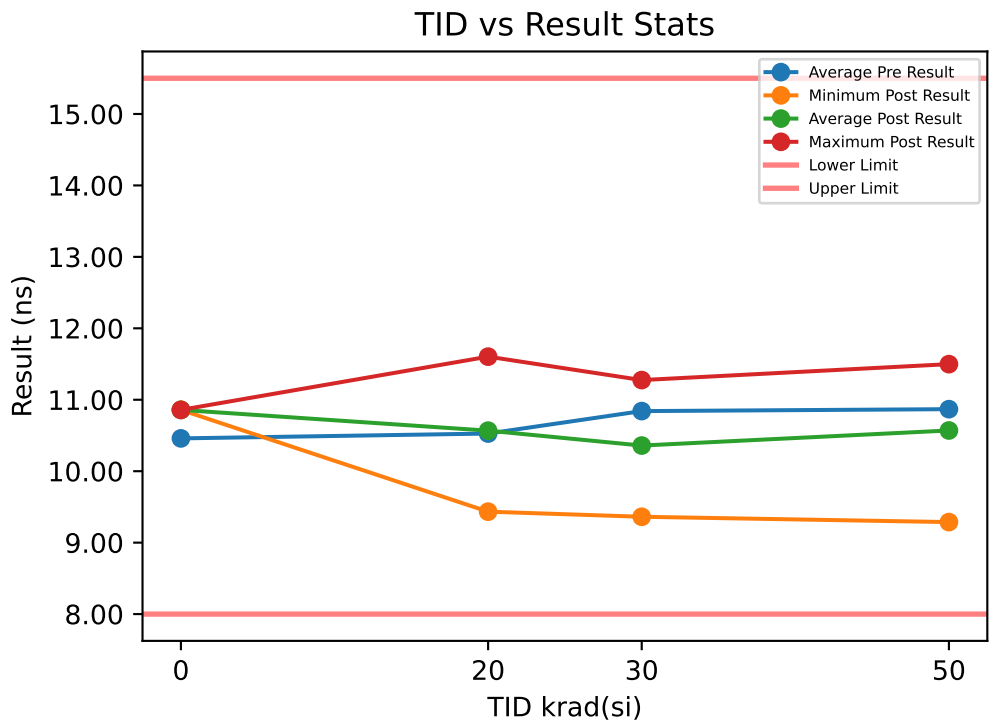
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4786	3.4786	3.4786		2.951	2.951	2.951		-0.5276	-0.5276	-0.5276	
20	1.6348	3.3355	4.4038	0.83766	2.3812	3.5945	4.8419	0.87711	-1.1637	0.259	1.1939	0.86896
30	2.7528	3.5986	4.8399	0.64604	1.8807	3.3635	4.1567	0.67529	-1.4181	-0.23509	1.1184	0.82434
50	2.4796	3.5204	4.5478	0.69447	2.4498	3.7947	4.6689	0.63939	-1.3187	0.27429	1.3917	0.80967

Device Test: 97.6 T_RLH_SMALL(_DLH Dead Time Small 1MHz VIN_14V)



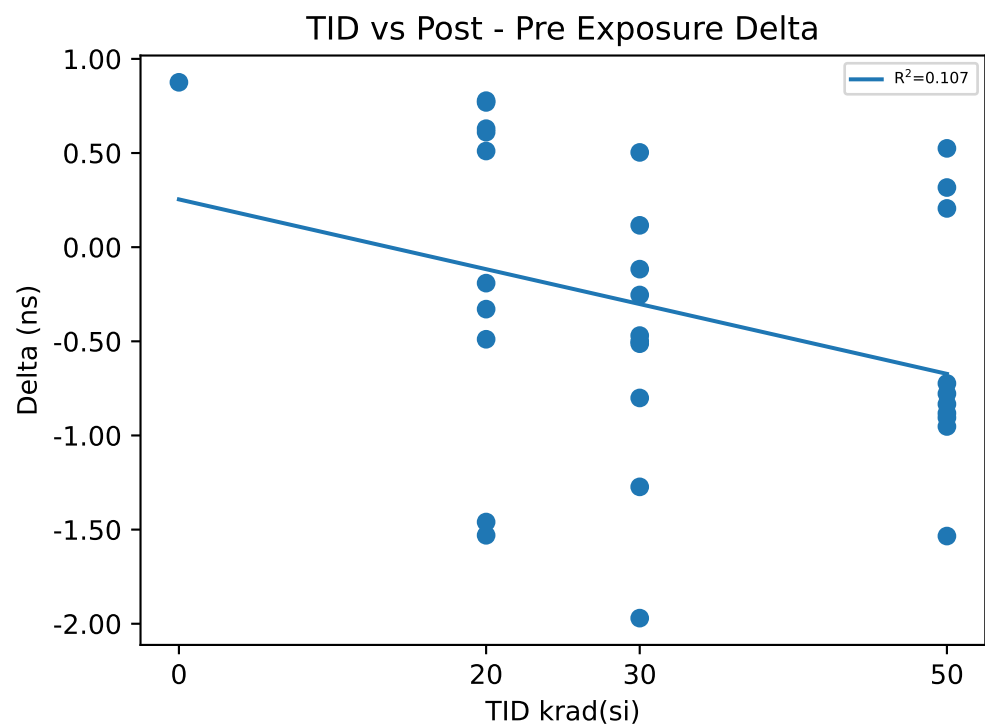
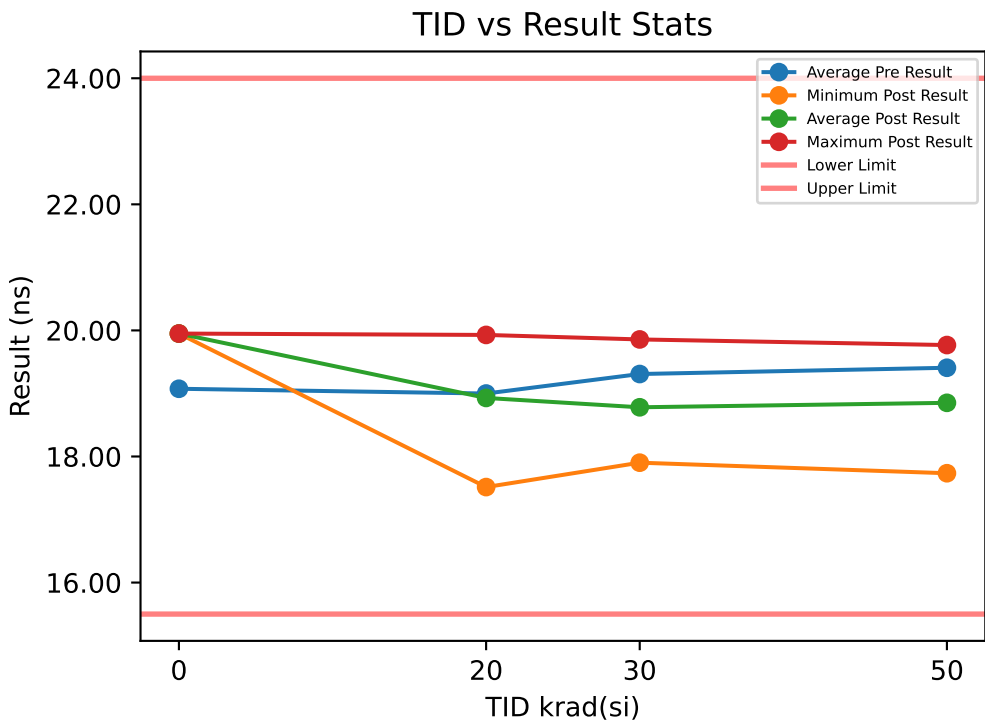
Test Results (Lower Limit = 8.0, Upper Limit = 15.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	10.459	10.858	0.3989
121	20	HDR biased	10.744	11.603	0.859
122	20	HDR biased	10.946	9.634	-1.3119
123	20	HDR biased	10.623	11.569	0.9467
124	20	HDR biased	11.772	11.198	-0.5742
125	20	HDR biased	9.8682	9.54	-0.3282
131	30	HDR biased	11.042	11.012	-0.03
132	30	HDR biased	10.213	10.089	-0.1231
133	30	HDR biased	10.745	10.184	-0.5616
134	30	HDR biased	11.436	11.275	-0.1608
135	30	HDR biased	10.338	11.129	0.7904
151	50	HDR biased	12.154	11.498	-0.6556
152	50	HDR biased	10.979	10.062	-0.9173
153	50	HDR biased	11.244	10.53	-0.7145
154	50	HDR biased	10.401	10.028	-0.3731
155	50	HDR biased	11.721	11.118	-0.6027
321	20	HDR unbiased	10.439	11.409	0.9695
322	20	HDR unbiased	10.821	9.4335	-1.3877
323	20	HDR unbiased	9.2625	10.086	0.8237
324	20	HDR unbiased	10.919	10.665	-0.2539
325	20	HDR unbiased	9.8755	10.537	0.6612
331	30	HDR unbiased	11.497	9.9395	-1.5577
332	30	HDR unbiased	10.284	9.3622	-0.9222
333	30	HDR unbiased	11.94	10.408	-1.5321
334	30	HDR unbiased	10.048	9.6662	-0.3816
335	30	HDR unbiased	10.869	10.524	-0.3444
351	50	HDR unbiased	9.9012	10.689	0.7879
352	50	HDR unbiased	10.986	10.658	-0.3278
353	50	HDR unbiased	10.408	11.212	0.8042
354	50	HDR unbiased	10.825	9.2878	-1.5369
355	50	HDR unbiased	10.063	10.617	0.5537

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.459	10.459	10.459		10.858	10.858	10.858		0.3989	0.3989	0.3989	
20	9.2625	10.527	11.772	0.70618	9.4335	10.567	11.603	0.85873	-1.3877	0.04042	0.9695	0.93226
30	10.048	10.841	11.94	0.6351	9.3622	10.359	11.275	0.63607	-1.5577	-0.48231	0.7904	0.71057
50	9.9012	10.868	12.154	0.71203	9.2878	10.57	11.498	0.64942	-1.5369	-0.29821	0.8042	0.77736

Device Test: 97.7 T RLH MID(DLH Dead Time Mid 1MHz VIN 14V)



Test Results (Lower Limit = 15.5,
Upper Limit = 24.0 (ns))

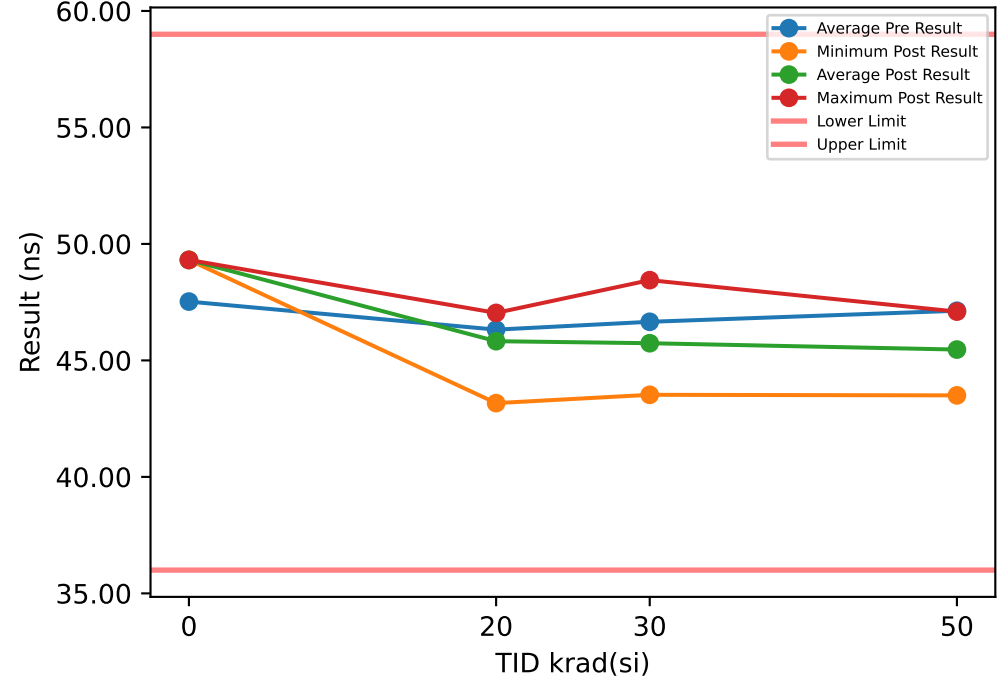
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	19.074	19.95	0.8756
121	20	HDR biased	19.299	19.928	0.6293
122	20	HDR biased	19.045	17.515	-1.5302
123	20	HDR biased	18.632	19.401	0.7688
124	20	HDR biased	20.159	19.67	-0.4891
125	20	HDR biased	18.455	18.264	-0.191
131	30	HDR biased	19.974	19.857	-0.1167
132	30	HDR biased	18.171	17.917	-0.2539
133	30	HDR biased	19.122	18.61	-0.5126
134	30	HDR biased	20.086	19.587	-0.4995
135	30	HDR biased	19.029	19.532	0.5033
151	50	HDR biased	20.65	19.768	-0.882
152	50	HDR biased	18.934	17.982	-0.9523
153	50	HDR biased	19.808	19.029	-0.7782
154	50	HDR biased	19.242	18.409	-0.8336
155	50	HDR biased	20.378	19.472	-0.9054
321	20	HDR unbiased	18.795	19.573	0.7781
322	20	HDR unbiased	19.439	17.979	-1.4598
323	20	HDR unbiased	18.224	18.834	0.6108
324	20	HDR unbiased	19.593	19.264	-0.3291
325	20	HDR unbiased	18.348	18.859	0.5107
331	30	HDR unbiased	19.744	18.471	-1.273
332	30	HDR unbiased	18.603	18.719	0.116
333	30	HDR unbiased	20.365	18.395	-1.9702
334	30	HDR unbiased	18.371	17.902	-0.4695
335	30	HDR unbiased	19.617	18.816	-0.8008
351	50	HDR unbiased	18.86	19.177	0.3168
352	50	HDR unbiased	19.63	18.906	-0.7237
353	50	HDR unbiased	18.601	19.125	0.5247
354	50	HDR unbiased	19.269	17.734	-1.5343
355	50	HDR unbiased	18.704	18.91	0.2058

Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.074	19.074	19.074		19.95	19.95	19.95		0.8756	0.8756	0.8756	
20	18.224	18.999	20.159	0.62193	17.515	18.929	19.928	0.79266	-1.5302	-0.07015	0.7781	0.88404
30	18.171	19.308	20.365	0.76248	17.902	18.781	19.857	0.68069	-1.9702	-0.52769	0.5033	0.7021
50	18.601	19.407	20.65	0.70001	17.734	18.851	19.768	0.63636	-1.5343	-0.55622	0.5247	0.66726

Device Test: 97.8 T_RLH_LARGE(_DLH Dead Time Large 1MHz VIN_14V)

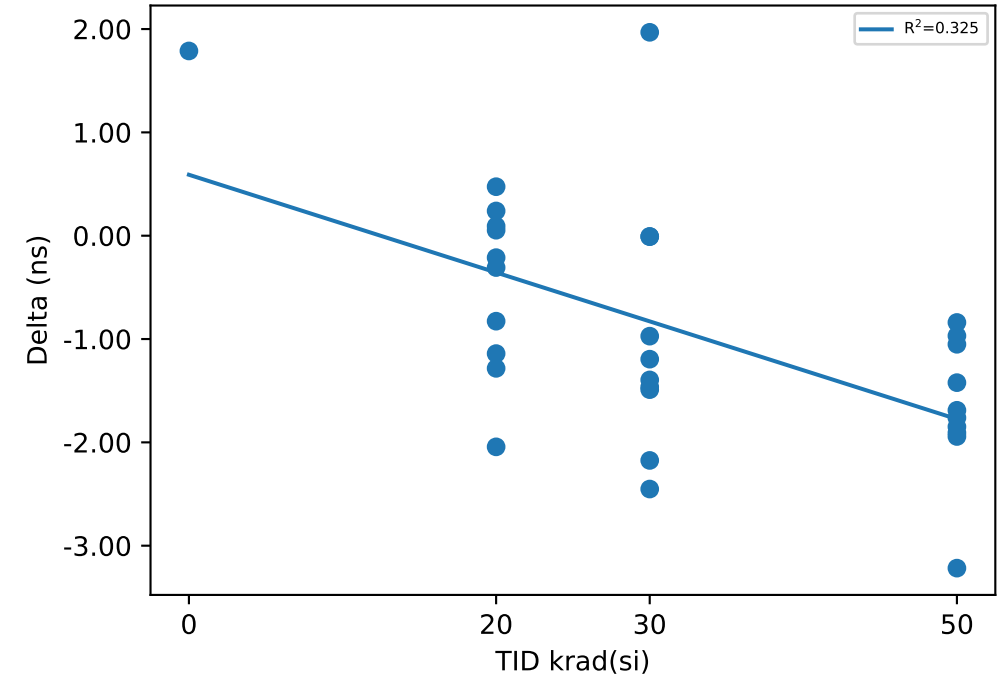
TID vs Result Stats



Test Results (Lower Limit = 36.0, Upper Limit = 59.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	47.525	49.313	1.788
121	20	HDR biased	46.455	46.548	0.0927
122	20	HDR biased	45.21	43.167	-2.0434
123	20	HDR biased	43.976	44.45	0.4743
124	20	HDR biased	47.761	46.62	-1.1408
125	20	HDR biased	46.62	46.408	-0.2123
131	30	HDR biased	48.455	48.446	-0.0091
132	30	HDR biased	44.496	43.524	-0.9722
133	30	HDR biased	46.584	45.188	-1.3956
134	30	HDR biased	47.633	46.438	-1.1949
135	30	HDR biased	47	46.993	-0.0071
151	50	HDR biased	48.231	46.323	-1.908
152	50	HDR biased	45.443	43.499	-1.9431
153	50	HDR biased	47.794	46.105	-1.6896
154	50	HDR biased	47.934	46.512	-1.422
155	50	HDR biased	47.876	46.027	-1.8486
321	20	HDR unbiased	46.09	46.33	0.2395
322	20	HDR unbiased	47.086	45.803	-1.2837
323	20	HDR unbiased	46.986	47.04	0.0532
324	20	HDR unbiased	47.244	46.417	-0.8272
325	20	HDR unbiased	45.779	45.471	-0.3081
331	30	HDR unbiased	47.011	44.559	-2.4517
332	30	HDR unbiased	45.285	47.254	1.9685
333	30	HDR unbiased	46.89	44.715	-2.1748
334	30	HDR unbiased	45.873	44.383	-1.4897
335	30	HDR unbiased	47.347	45.883	-1.4638
351	50	HDR unbiased	47.935	47.095	-0.8396
352	50	HDR unbiased	47.555	45.792	-1.7621
353	50	HDR unbiased	45.463	44.494	-0.9689
354	50	HDR unbiased	46.735	43.518	-3.2172
355	50	HDR unbiased	46.348	45.298	-1.0508

TID vs Post - Pre Exposure Delta

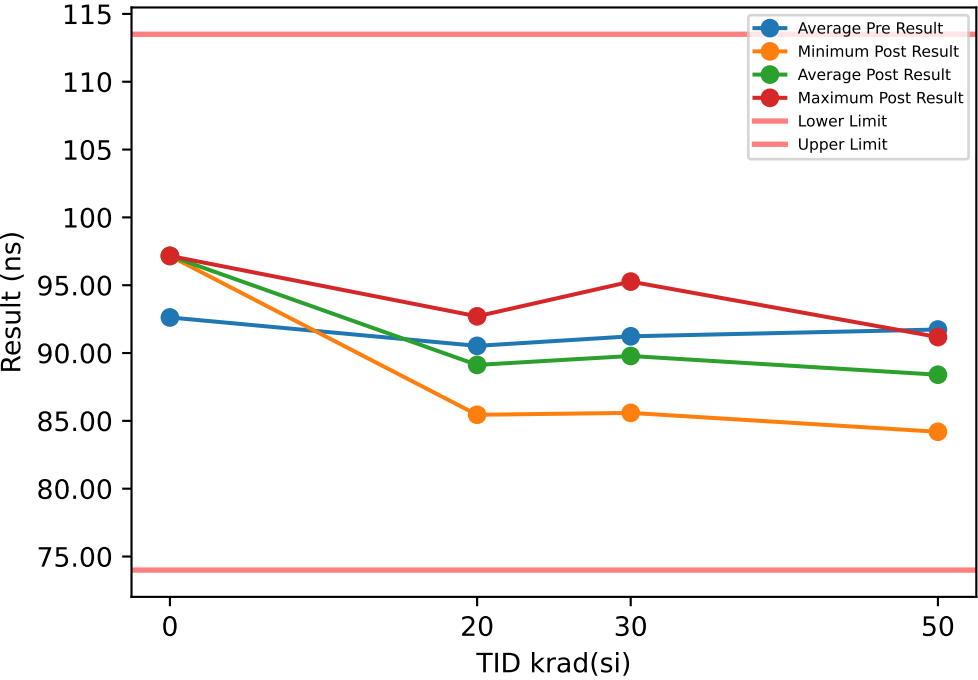


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	47.525	47.525	47.525		49.313	49.313	49.313		1.788	1.788	1.788	
20	43.976	46.321	47.761	1.1126	43.167	45.825	47.04	1.1859	-2.0434	-0.49558	0.4743	0.80186
30	44.496	46.657	48.455	1.1609	43.524	45.738	48.446	1.5345	-2.4517	-0.91904	1.9685	1.2846
50	45.443	47.131	48.231	1.0581	43.499	45.466	47.095	1.2448	-3.2172	-1.665	-0.8396	0.68245

Device Test: 97.9 T_RLH_MAX(_DLH Dead Time Max 1MHz VIN_14V)

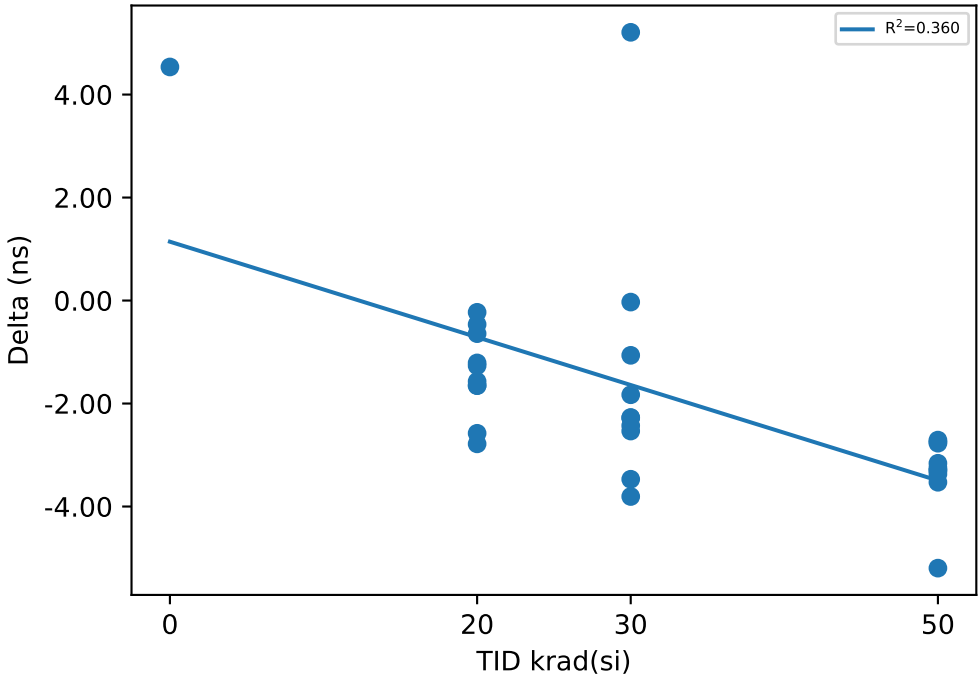
TID vs Result Stats



Test Results (Lower Limit = 74.0, Upper Limit = 113.5 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	0	correlation	92.624	97.16	4.5359
121	20	HDR biased	89.897	89.668	-0.2284
122	20	HDR biased	88.232	85.449	-2.7831
123	20	HDR biased	86.014	85.551	-0.4634
124	20	HDR biased	91.764	90.194	-1.5709
125	20	HDR biased	92.463	90.81	-1.6529
131	30	HDR biased	95.298	95.268	-0.0299
132	30	HDR biased	87.418	85.589	-1.8295
133	30	HDR biased	90.841	88.56	-2.281
134	30	HDR biased	92.803	90.533	-2.2706
135	30	HDR biased	92.974	91.91	-1.0638
151	50	HDR biased	92.858	89.489	-3.3694
152	50	HDR biased	87.493	84.196	-3.2969
153	50	HDR biased	93.451	90.151	-3.2993
154	50	HDR biased	94.707	91.179	-3.5289
155	50	HDR biased	92.772	89.611	-3.1601
321	20	HDR unbiased	89.124	88.481	-0.6431
322	20	HDR unbiased	92.091	89.513	-2.578
323	20	HDR unbiased	93.918	92.707	-1.2112
324	20	HDR unbiased	91.717	90.068	-1.6492
325	20	HDR unbiased	90.073	88.808	-1.2653
331	30	HDR unbiased	90.882	87.411	-3.4703
332	30	HDR unbiased	89.007	94.216	5.2089
333	30	HDR unbiased	90.472	86.666	-3.8055
334	30	HDR unbiased	89.757	87.327	-2.4294
335	30	HDR unbiased	92.879	90.345	-2.5344
351	50	HDR unbiased	93.454	90.744	-2.7102
352	50	HDR unbiased	92.024	88.776	-3.2479
353	50	HDR unbiased	88.971	86.201	-2.7705
354	50	HDR unbiased	91.007	85.811	-5.1965
355	50	HDR unbiased	90.604	87.861	-2.7436

TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	92.624	92.624	92.624		97.16	97.16	97.16		4.5359	4.5359	4.5359	
20	86.014	90.529	93.918	2.3296	85.449	89.125	92.707	2.2349	-2.7831	-1.4046	-0.2284	0.8388
30	87.418	91.233	95.298	2.2918	85.589	89.783	95.268	3.2591	-3.8055	-1.4506	5.2089	2.5772
50	87.493	91.734	94.707	2.226	84.196	88.402	91.179	2.3234	-5.1965	-3.3323	-2.7102	0.7152

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