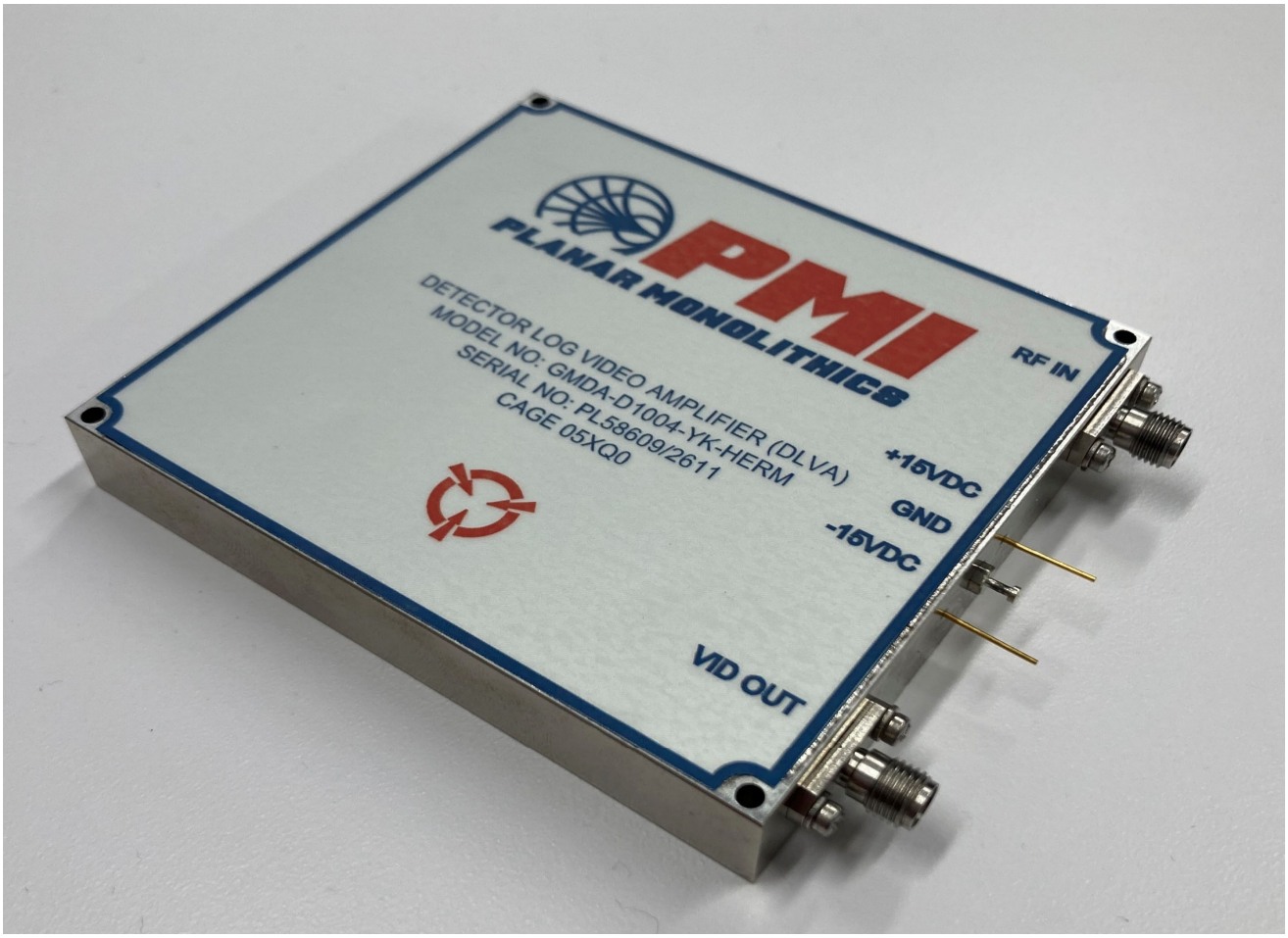
TYPICAL CHARACTERISTICS ON GMDA-D1004-YK-HERM

PMI MODEL GMDA-D1004-YK-HERM IS AN EXTENDED DYNAMIC RANGE DLVA DESIGNED TO OPERATE OVER THE 2.0 TO 18.0 GHz FREQUENCY RANGE. IT EMPLOYS PLANAR DIODE DETECTORS AND INTEGRATED VIDEO CIRCUITRY FOR HIGH SPEED PERFORMANCE AND OUTSTANDING RELIABILITY. IT IS OF SUPERIOR CONSTRUCTION USING STATE OF THE ART MIC/MMIC TECHNOLOGY.



REPORTED BY: ANTON L.
TESTED BY: ANTON L.
DATE: 3/18/2026

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DESCRIPTION:

PMI MODEL GMDA-D1004-YK-HERM IS AN EXTENDED DYNAMIC RANGE DLVA DESIGNED TO OPERATE OVER THE 2.0 TO 18.0 GHz FREQUENCY RANGE. IT EMPLOYS PLANAR DIODE DETECTORS AND INTEGRATED VIDEO CIRCUITRY FOR HIGH SPEED PERFORMANCE AND OUTSTANDING RELIABILITY. IT IS OF SUPERIOR CONSTRUCTION USING STATE OF THE ART MIC/MMIC TECHNOLOGY.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/9/2026	

SPECIFICATIONS:

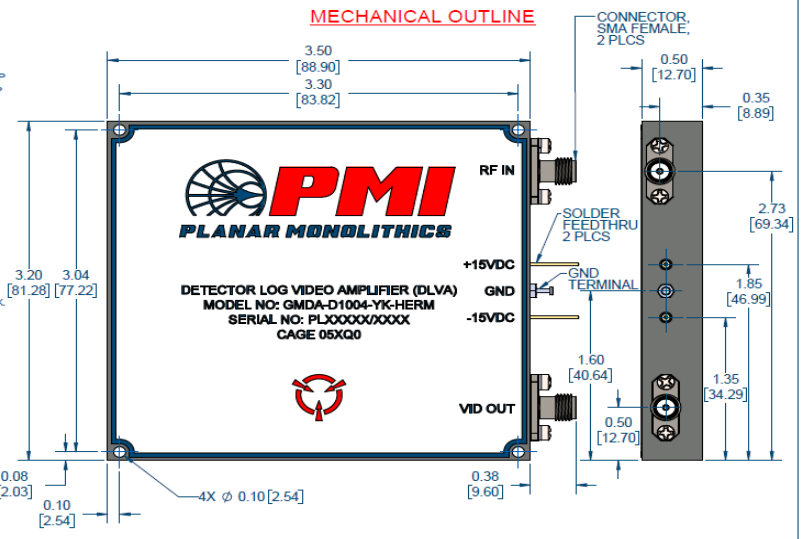
• FREQUENCY RANGE:	2.0 TO 18.0 GHz
• LOGGING RANGE (FIG. 1):	-60 dBm TO +7 dBm
• TSS:	-70 dBm MIN.
• LOGGING SLOPE (FIG. 1, 2):	+25.0 ± 1.0 mV/dB AT ROOM TEMP +25.0 ± 2.0 mV/dB AT OVER TEMP +25.0 mV/dB TYP.
• LOGGING LINEARITY (FIG. 1):	±1.5 dB AT ROOM TEMP ±2.0 dB AT OVER TEMP
• FLATNESS (FIG. 3):	100 mV MAX.
• RF SAFE INPUT POWER:	+23 dBm MAX. CW
• MAX OUTPUT VOLTAGE:	+2.5 V MAX.
• INPUT VSWR (50 Ω):	2.3:1 MAX.
• VIDEO LOAD IMPEDANCE:	75 Ω TYP.
• RISE TIME (FIG. 4):	30 ns MAX.
• RECOVERY TIME (FIG. 4):	100 ns MAX.
• THROUGHPUT TIME (FIG. 4):	30 ns MAX.
• VIDEO BANDWIDTH:	10 MHz TYP.
• OFFSET VOLTAGE:	± 50 mV MAX.
• LEADING AND TRAILING EDGE:	SEE FIGURE 5
• REVERSE SHOOT AND SLOPE REVERSE:	SEE FIGURE 6
• DC POWER SUPPLY:	+12 TO +15.5 VDC @ 400 mA MAX. -12 TO -15.5 VDC @ 165 mA MAX.
• SIZE:	88.9 mm x 81.3 mm x 12.7 mm 3.50" x 3.20" x 0.50" (EXCLUDING CONNECTORS)
• WEIGHT:	220 g MAX.
• FINISH:	NICKEL PLATE HERMETIC SEAL

ENVIRONMENTAL RATINGS:

• TEMPERATURE:	-54°C TO +85°C (OPERATING) -57°C TO +85°C (STORAGE)
• ALTITUDE:	0 - 43,000 FT.
• HUMIDITY:	MIL-HDBK-5400 4.6.2.4 100% RH
• SHOCK:	MIL-HDBK-5400 4.6.2.6 FUNC SHOCK: 196 m/s², 6~9 ms
• VIBRATION:	MIL-STD-810F ANNEX C FIG 514 5C-8 (REFER TO FIG 1)

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE
DRAWN: ANTON L.	10/6/25
CHECKED	
ISSUED	

TITLE: OUTLINE GMDA-D1004-YK-HERM
SIZE: B | FSCM NO: 05XQ0 | DWG NO: 27052540 | REV: A1
SCALE 1:5 | SHEET 1 OF 2

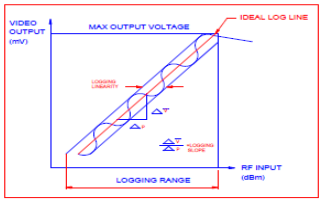


FIGURE 1: RF INPUT POWER vs. VIDEO OUTPUT VOTLAGE

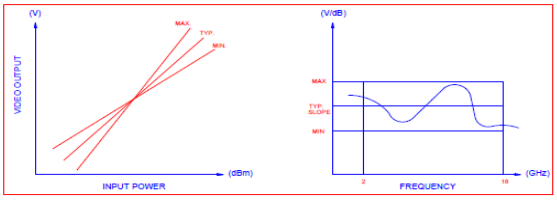


FIGURE 2: LOGGING SLOPE

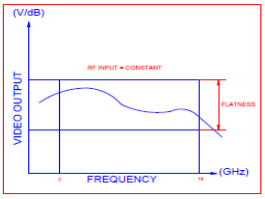


FIGURE 3: FLATNESS

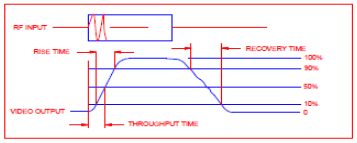


FIGURE 4: PULSE

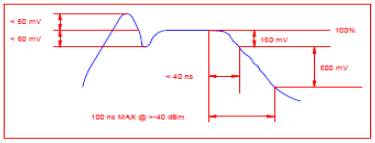


FIGURE 5: PULSE RESPONSE

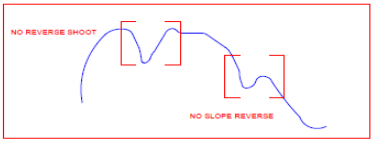


FIGURE 6: REVERSE

PMI CONFIDENTIAL AND PROPRIETARY

TITLE: OUTLINE GMDA-D1004-YK-HERM
SIZE: B | FSCM NO: 05XQ0 | DWG NO: 27052540 | REV: A1
SCALE 1:1 | SHEET 2 OF 2

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731

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Test Item No.	Parameters	Specified Value	Measured Value			
			-54°C	-35°C	+25°C	+85°C
1	Frequency Range:	2.0 TO 18.0 GHz	2.0 TO 18.0 GHz			
2	Logging Range:	-60 dBm TO +7 dBm	-60 dBm TO +7 dBm			
3	TSS:	-70 dBm MIN.	-70.3 dBm	-	-71.4 dBm	-70.2 dBm
4	Logging Slope:	+25.0 ± 1.0 mV/dB @ +25°C +25.0 ± 2.0 mV/dB @ -54°C to +85°C	-	25.6 mV/dB	25.1 mV/dB	25.7 mV/dB
5	Logging Linearity	+1.5 dB @ +25°C +2.0 dB @ -54°C to +85°C	-	1.02 dB	0.86 dB	1.17 dB
6	Flatness:	100 mV MAX.	-	95 mV	57 mV	51 mV
7	RF Safe Input Power:	+23 dBm MAX. CW	+23 dBm MAX. CW			
8	MAX. Output Voltage:	+2.5 V MAX.	-	+1.97 V	+1.95 V	+1.96 V
9	Input VSWR:	2.3:1 MAX.	1.61:1	-	1.59:1	1.57:1
10	Video Load Impedance:	75 Ω TYP.	75.01 Ω			
11	Rise Time:	30 ns MAX.	27.7 ns	-	27.8 ns	29.0 ns
12	Recovery Time:	100 ns MAX.	56.7 ns	-	59.8 ns	58.7 ns
13	Throughput Time:	30 ns MAX.	8.3 ns	-	9.8 ns	10.6 ns
14	Video Bandwidth:	10 MHz TYP.	16.5 MHz	-	16.6 MHz	15.5 MHz

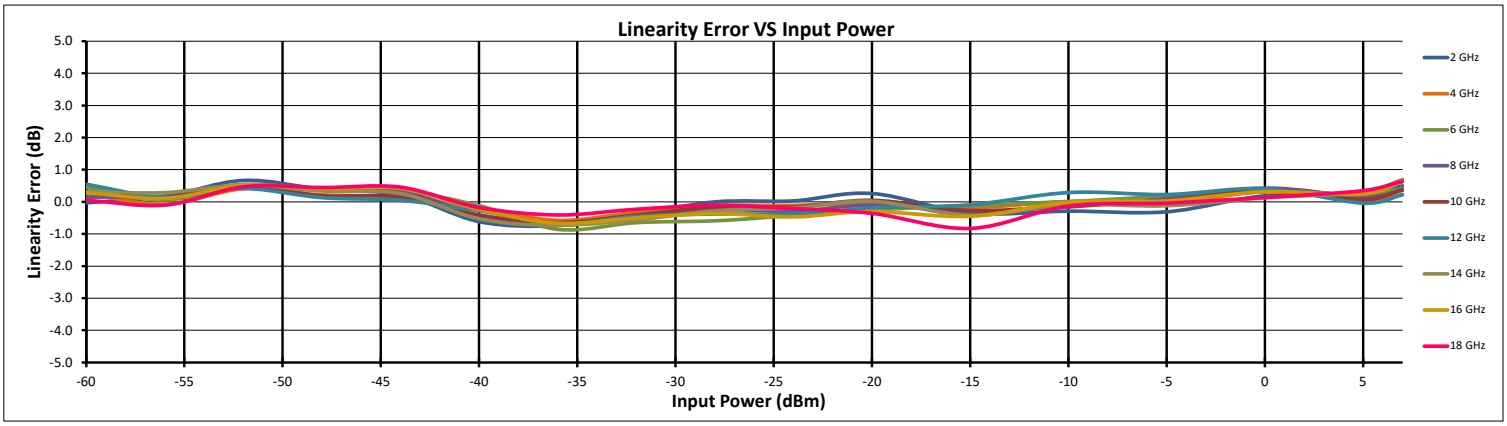
Test Item No.	Parameters	Specified Value	Measured Value			
			-54°C	-35°C	+25°C	+85°C
15	Offset Voltage:	± 50 mV MAX.	-	22 mV	5 mV	-2 mV
16	Leading and Trailing Edge:	No overshoot	Pass	-	Pass	Pass
17	Reverse Shoot and Slope Reverse:	No reverse shoot No slope reverse	Pass	-	Pass	Pass
18	DC Power Supply:	+12 to +15.5 VDC @ 400 mA MAX. -12 to -15.5 VDC @ 165 mA MAX.	+15 VDC @ 385 mA -15 VDC @ 120 mA			

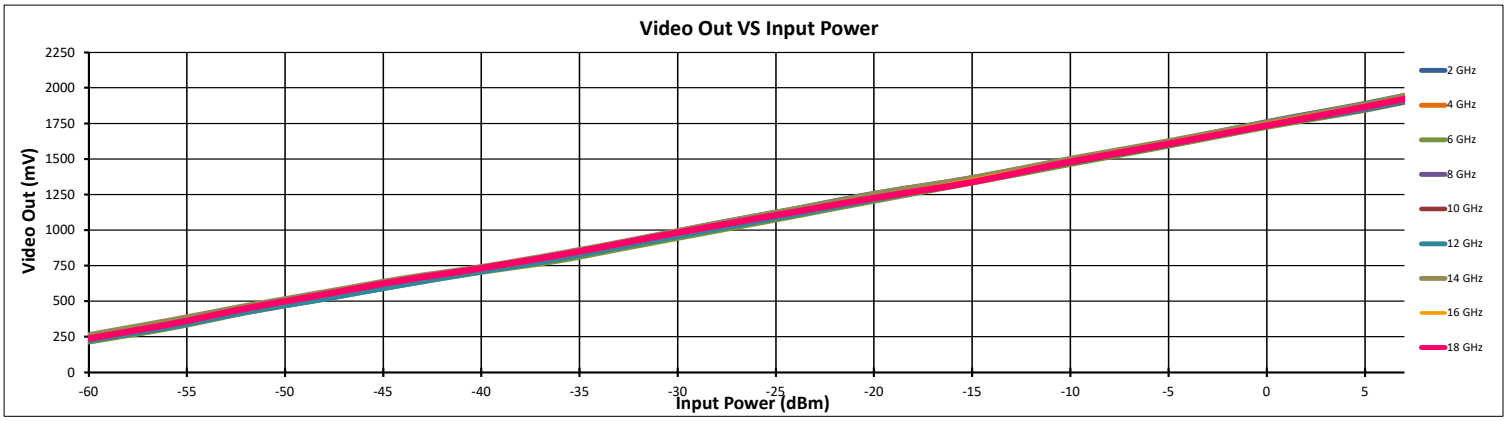
PLANAR MONOLITHICS

Log Transfer Over Frequency +25ºC

Video offset: 5 mV

Frequency			-60	-56	-52	-48	-44	-40	-36	-32	-28	-24	-20	-15	-10	-5	0	5	7	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	1758	240	346	460	554	651	731	829	939	1050	1152	1259	1370	1498	1624	1763	1891	1948	Measured Value (mV)
	SLOPE (mV/dB)	25.3	-1	4	17	10	6	-15	-19	-10	0	1	7	-9	-7	-8	5	6	13	ERROR (mV)
	LIN. ERR. (dB)	0.7	-0.02	0.17	0.67	0.39	0.23	-0.61	-0.74	-0.39	0.00	0.03	0.26	-0.35	-0.29	-0.31	0.19	0.25	0.50	LINEARITY ERROR (dB)
4 GHz	INTERCEPT (mV)	1735	216	309	423	520	620	713	805	913	1020	1122	1225	1349	1481	1607	1743	1864	1919	Measured Value (mV)
	SLOPE (mV/dB)	25.4	7	-2	10	6	4	-5	-15	-8	-3	-3	-1	-5	0	-1	8	2	6	ERROR (mV)
	LIN. ERR. (dB)	0.6	0.27	-0.08	0.41	0.22	0.15	-0.19	-0.57	-0.33	-0.12	-0.11	-0.06	-0.18	0.01	-0.04	0.31	0.07	0.23	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1712	214	305	417	515	614	703	785	891	993	1098	1203	1332	1461	1591	1722	1843	1899	Measured Value (mV)
	SLOPE (mV/dB)	25.2	11	2	13	10	9	-3	-22	-16	-15	-10	-6	-3	0	5	10	5	11	Error (mV)
	LIN. ERR. (dB)	0.9	0.45	0.06	0.52	0.41	0.35	-0.12	-0.86	-0.64	-0.59	-0.42	-0.24	-0.11	0.01	0.18	0.39	0.20	0.42	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	1722	253	352	459	554	651	730	821	925	1029	1126	1229	1347	1473	1602	1733	1849	1903	Measured Value (mV)
	SLOPE (mV/dB)	24.5	4	4	13	10	9	-10	-18	-12	-6	-7	-2	-7	-4	2	11	4	9	ERROR (mV)
	LIN. ERR. (dB)	0.7	0.15	0.18	0.54	0.41	0.36	-0.42	-0.72	-0.48	-0.24	-0.29	-0.10	-0.29	-0.16	0.10	0.44	0.16	0.36	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	1723	246	341	448	540	638	723	816	921	1026	1125	1229	1345	1472	1600	1731	1848	1905	Measured Value (mV)
	SLOPE (mV/dB)	24.7	8	4	12	5	4	-10	-16	-10	-4	-4	1	-7	-3	1	8	2	9	Error (mV)
	LIN. ERR. (dB)	0.6	0.31	0.15	0.48	0.19	0.16	-0.41	-0.65	-0.40	-0.16	-0.16	0.05	-0.26	-0.13	0.05	0.34	0.07	0.38	LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV)	1730	227	318	426	520	619	712	803	910	1013	1114	1220	1349	1485	1610	1741	1856	1913	Measured Value (mV)
	SLOPE (mV/dB)	25.3	14	4	11	3	1	-7	-17	-11	-9	-10	-5	-2	7	6	11	-1	5	ERROR (mV)
	LIN. ERR. (dB)	0.7	0.55	0.15	0.42	0.13	0.05	-0.27	-0.68	-0.44	-0.37	-0.38	-0.19	-0.09	0.29	0.24	0.42	-0.04	0.22	LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV)	1751	261	360	466	561	659	739	834	938	1045	1147	1252	1366	1499	1623	1754	1883	1943	Measured Value (mV)
	SLOPE (mV/dB)	25.0	8	7	13	8	7	-13	-18	-14	-7	-5	0	-10	-2	-3	3	7	17	ERROR (mV)
	LIN. ERR. (dB)	0.7	0.32	0.29	0.53	0.34	0.26	-0.53	-0.73	-0.56	-0.27	-0.19	0.02	-0.41	-0.09	-0.12	0.13	0.30	0.70	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	1742	239	335	446	544	645	729	819	924	1028	1126	1231	1353	1490	1617	1750	1874	1934	Measured Value (mV)
	SLOPE (mV/dB)	25.2	7	3	13	10	11	-6	-17	-12	-9	-12	-7	-11	0	1	8	6	16	ERROR (mV)
	LIN. ERR. (dB)	0.7	0.29	0.11	0.52	0.41	0.42	-0.24	-0.66	-0.49	-0.36	-0.47	-0.30	-0.45	-0.01	0.04	0.32	0.25	0.63	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	1734	239	335	449	548	648	732	826	930	1033	1130	1226	1339	1481	1608	1737	1867	1924	Measured Value (mV)
	SLOPE (mV/dB)	24.9	1	-2	12	11	11	-4	-10	-6	-2	-5	-9	-21	-3	-1	3	9	16	ERROR (mV)
	LIN. ERR. (dB)	0.8	0.05	-0.10	0.48	0.45	0.46	-0.17	-0.40	-0.23	-0.10	-0.21	-0.36	-0.83	-0.13	-0.04	0.14	0.35	0.64	LINEARITY ERROR (dB)
	Avg. Slope: 25.1 mV/dB		0.9	1.1	1	0.9	0.9	0.7	1	1	1.1	1.1	1.1	0.8	0.8	0.7	0.8	1	1	Flatness dB: ±1.1 dB





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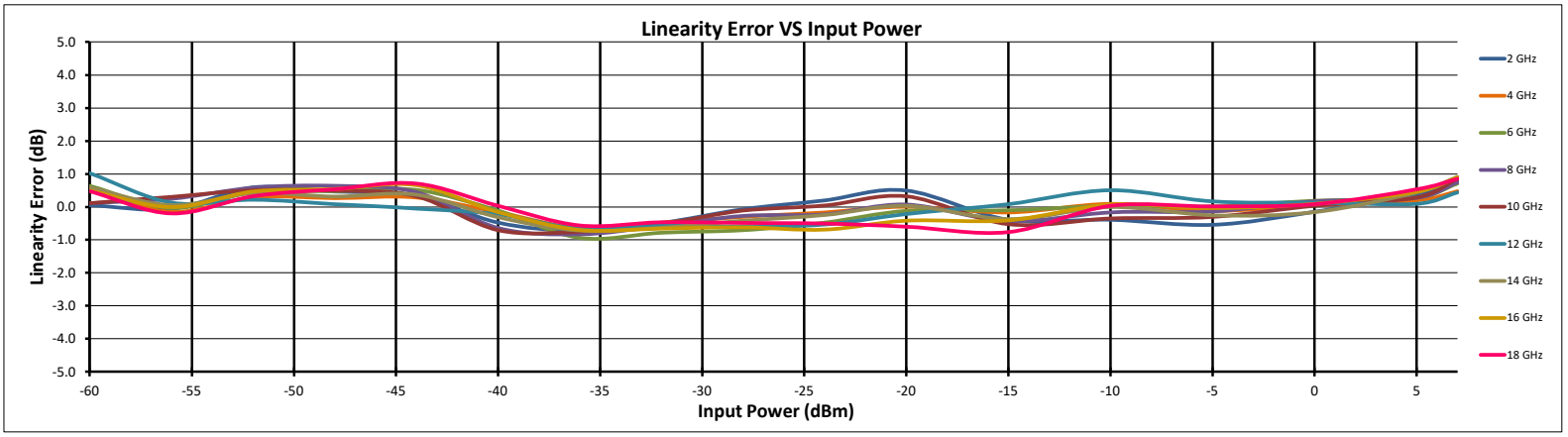
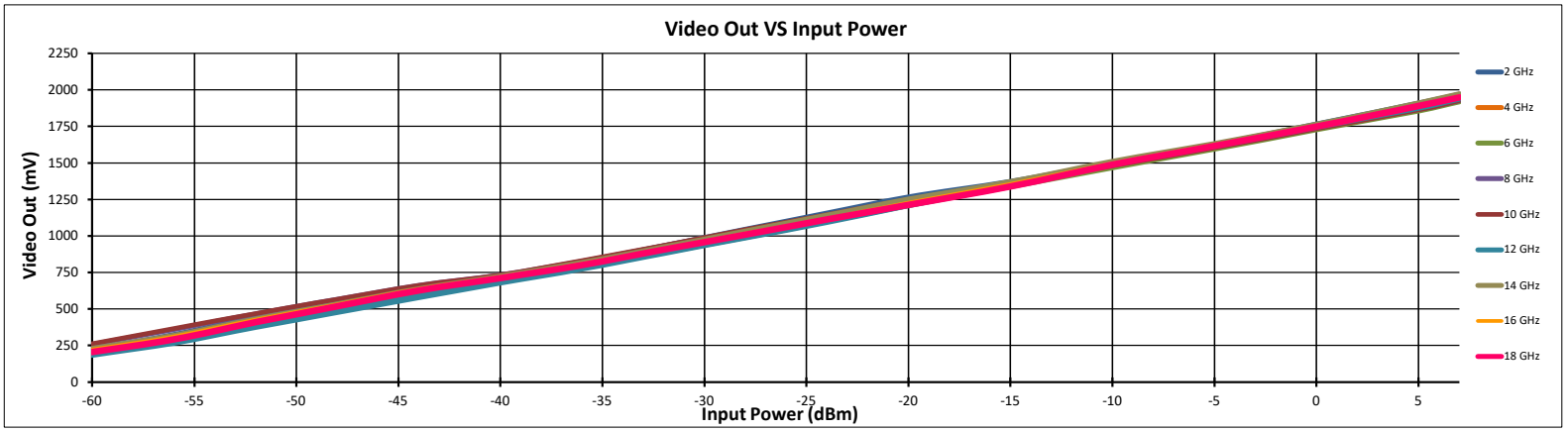
PLANAR MONOLITHICS

Log Transfer Over Frequency -35ºC

Video offset: 22 mV

Frequency			-60	-56	-52	-48	-44	-40	-36	-32	-28	-24	-20	-15	-10	-5	0	5	7	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	1770	224	324	444	544	644	726	823	932	1046	1156	1267	1373	1502	1627	1766	1909	1970	Measured Value (mV)
	SLOPE (mV/dB)	25.8	1	-2	15	12	9	-12	-18	-13	-2	5	13	-10	-10	-14	-4	10	20	ERROR (mV)
	LIN. ERR. (dB)	0.8	0.06	-0.07	0.59	0.46	0.34	-0.48	-0.72	-0.49	-0.07	0.20	0.50	-0.39	-0.39	-0.54	-0.15	0.39	0.76	LINEARITY ERROR (dB)
4 GHz	INTERCEPT (mV)	1747	207	293	408	511	615	707	798	906	1014	1121	1229	1354	1490	1614	1748	1881	1940	Measured Value (mV)
	SLOPE (mV/dB)	25.9	14	-4	7	7	7	-4	-17	-12	-8	-4	0	-4	2	-3	1	5	12	ERROR (mV)
	LIN. ERR. (dB)	0.6	0.52	-0.15	0.29	0.27	0.29	-0.16	-0.64	-0.47	-0.30	-0.17	0.01	-0.17	0.09	-0.12	0.06	0.19	0.47	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1721	207	292	406	509	612	698	779	885	989	1097	1208	1336	1467	1594	1726	1856	1918	Measured Value (mV)
	SLOPE (mV/dB)	25.5	16	-1	11	12	13	-3	-24	-20	-18	-12	-3	-3	1	0	5	7	18	Error (mV)
	LIN. ERR. (dB)	0.9	0.64	-0.03	0.44	0.48	0.51	-0.12	-0.94	-0.78	-0.71	-0.47	-0.12	-0.10	0.03	0.01	0.18	0.28	0.71	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	1736	258	360	467	567	661	733	827	932	1038	1138	1244	1355	1485	1609	1740	1866	1927	Measured Value (mV)
	SLOPE (mV/dB)	24.7	3	6	14	16	11	-16	-20	-14	-7	-6	2	-11	-4	-3	4	7	18	ERROR (mV)
	LIN. ERR. (dB)	0.8	0.11	0.25	0.58	0.64	0.44	-0.64	-0.83	-0.57	-0.28	-0.23	0.07	-0.43	-0.16	-0.14	0.17	0.27	0.75	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	1733	263	366	469	567	661	734	831	935	1043	1145	1250	1352	1479	1603	1734	1863	1926	Measured Value (mV)
	SLOPE (mV/dB)	24.5	3	8	12	12	8	-17	-18	-13	-3	1	8	-13	-9	-7	1	7	21	Error (mV)
	LIN. ERR. (dB)	0.9	0.11	0.31	0.50	0.49	0.32	-0.70	-0.75	-0.51	-0.12	0.04	0.32	-0.53	-0.35	-0.30	0.03	0.29	0.85	LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV)	1746	189	271	379	481	583	684	778	886	991	1098	1212	1352	1495	1618	1749	1880	1942	Measured Value (mV)
	SLOPE (mV/dB)	26.4	27	3	6	2	-1	-6	-18	-15	-16	-14	-6	2	13	4	3	2	12	ERROR (mV)
	LIN. ERR. (dB)	1.0	1.02	0.13	0.22	0.08	-0.05	-0.22	-0.66	-0.57	-0.59	-0.54	-0.22	0.09	0.50	0.16	0.13	0.09	0.44	LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV)	1764	225	315	428	529	634	720	813	919	1028	1136	1247	1366	1505	1628	1760	1905	1969	Measured Value (mV)
	SLOPE (mV/dB)	25.9	15	1	11	8	10	-8	-19	-16	-11	-6	1	-10	0	-7	-4	11	24	ERROR (mV)
	LIN. ERR. (dB)	0.9	0.58	0.05	0.42	0.32	0.37	-0.31	-0.72	-0.63	-0.42	-0.25	0.04	-0.37	0.00	-0.26	-0.16	0.44	0.91	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	1754	222	312	427	532	638	720	809	913	1017	1118	1228	1357	1498	1624	1756	1894	1957	Measured Value (mV)
	SLOPE (mV/dB)	25.7	13	0	12	14	17	-4	-18	-17	-16	-18	-11	-10	2	-1	2	12	23	ERROR (mV)
	LIN. ERR. (dB)	0.9	0.50	-0.01	0.46	0.54	0.66	-0.15	-0.70	-0.66	-0.62	-0.69	-0.42	-0.41	0.07	-0.03	0.09	0.45	0.90	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	1746	206	292	409	518	626	712	800	906	1009	1112	1213	1338	1488	1617	1748	1889	1949	Measured Value (mV)
	SLOPE (mV/dB)	25.9	12	-5	8	14	18	1	-15	-12	-13	-13	-16	-20	1	0	2	14	22	ERROR (mV)
	LIN. ERR. (dB)	0.8	0.48	-0.20	0.32	0.54	0.71	0.03	-0.56	-0.47	-0.49	-0.50	-0.60	-0.77	0.03	0.02	0.08	0.53	0.85	LINEARITY ERROR (dB)
	Avg. Slope: 25.6 mV/dB		1.4	1.9	1.8	1.7	1.5	1	1	1	1.1	1.2	1.2	0.7	0.7	0.7	0.8	1	1	Flatness dB: ±1.9 dB





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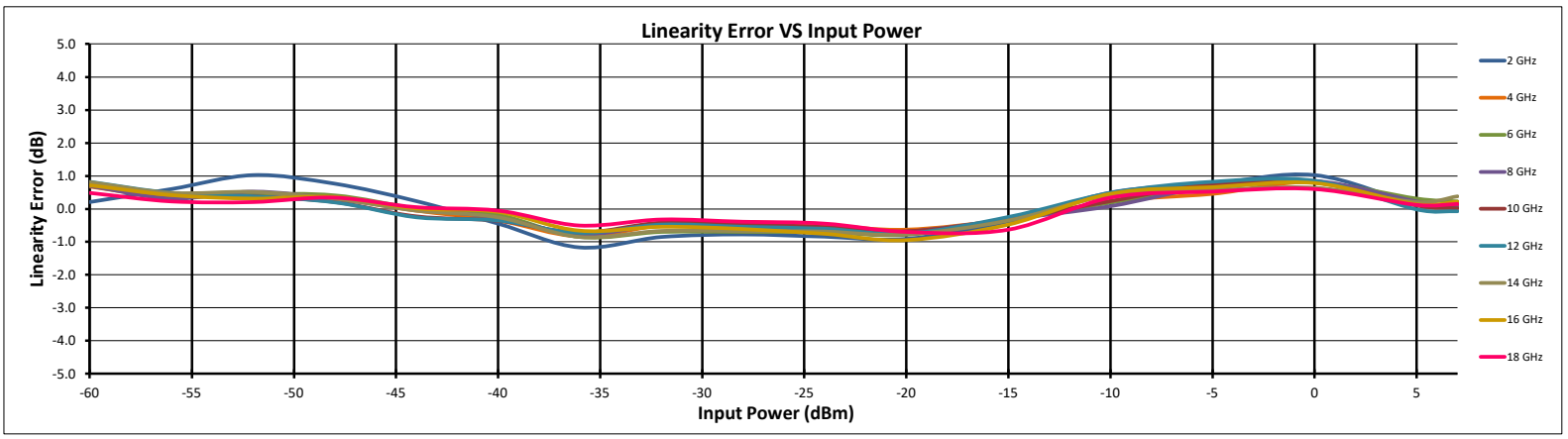
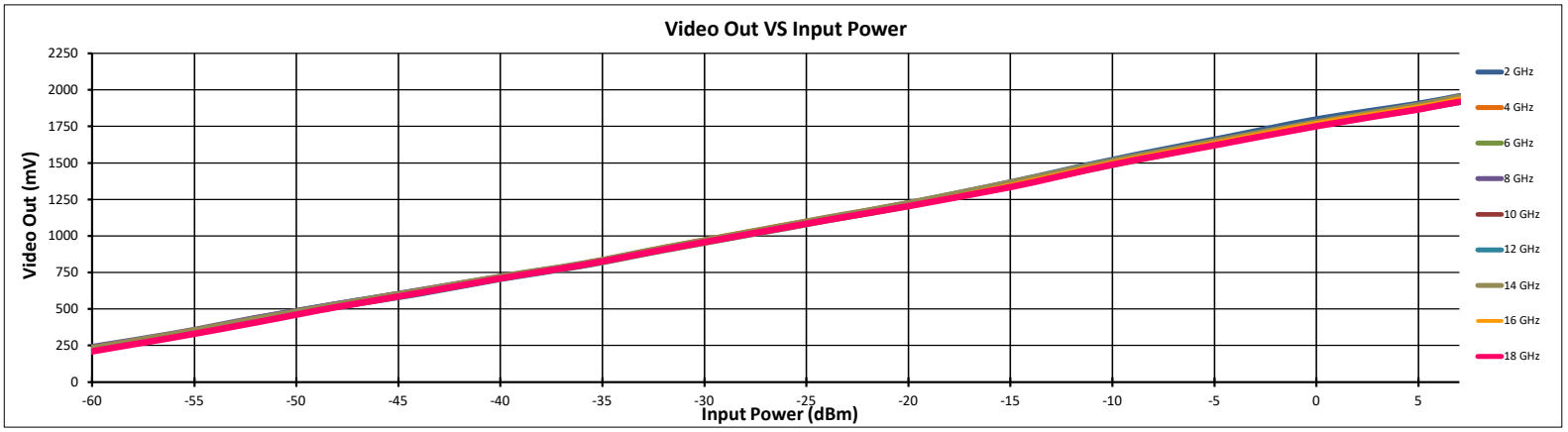
PLANAR MONOLITHICS

Log Transfer Over Frequency +85ºC

Video offset: -2 mV

Frequency			-60	-56	-52	-48	-44	-40	-36	-32	-28	-24	-20	-15	-10	-5	0	5	7	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	1775	208	323	439	537	628	715	801	914	1021	1124	1227	1372	1526	1664	1802	1910	1962	Measured Value (mV)
	SLOPE (mV/dB)	26.2	5	16	27	20	6	-12	-31	-22	-20	-22	-24	-10	13	20	27	4	3	ERROR (mV)
	LIN. ERR. (dB)	1.2	0.21	0.60	1.02	0.76	0.23	-0.45	-1.17	-0.85	-0.77	-0.84	-0.91	-0.38	0.49	0.76	1.02	0.15	0.13	LINEARITY ERROR (dB)
4 GHz	INTERCEPT (mV)	1753	234	328	434	532	625	720	810	921	1026	1126	1225	1361	1503	1637	1774	1886	1935	Measured Value (mV)
	SLOPE (mV/dB)	25.6	17	9	12	8	-1	-9	-21	-13	-10	-13	-16	-8	6	12	21	5	2	ERROR (mV)
	LIN. ERR. (dB)	0.8	0.67	0.35	0.48	0.31	-0.06	-0.35	-0.83	-0.50	-0.40	-0.49	-0.63	-0.32	0.23	0.46	0.81	0.18	0.09	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	1731	220	314	416	517	609	706	791	897	999	1101	1201	1340	1481	1620	1752	1867	1916	Measured Value (mV)
	SLOPE (mV/dB)	25.5	20	12	12	10	0	-5	-22	-18	-18	-18	-20	-9	5	16	21	8	6	Error (mV)
	LIN. ERR. (dB)	0.9	0.77	0.46	0.45	0.41	0.02	-0.18	-0.85	-0.70	-0.70	-0.71	-0.79	-0.34	0.18	0.63	0.80	0.31	0.23	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	1738	245	336	442	537	630	724	812	920	1019	1118	1217	1352	1488	1629	1759	1869	1915	Measured Value (mV)
	SLOPE (mV/dB)	25.2	18	8	13	7	0	-7	-20	-12	-14	-16	-17	-8	2	17	21	6	1	ERROR (mV)
	LIN. ERR. (dB)	0.9	0.70	0.31	0.52	0.30	-0.01	-0.27	-0.78	-0.49	-0.55	-0.62	-0.68	-0.32	0.08	0.69	0.85	0.22	0.05	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	1736	222	316	416	514	605	704	797	907	1008	1108	1207	1344	1486	1627	1756	1866	1915	Measured Value (mV)
	SLOPE (mV/dB)	25.6	20	12	10	5	-6	-9	-18	-11	-12	-14	-17	-8	6	19	20	3	0	Error (mV)
	LIN. ERR. (dB)	0.8	0.79	0.46	0.38	0.21	-0.23	-0.36	-0.72	-0.42	-0.46	-0.55	-0.68	-0.32	0.24	0.75	0.80	0.10	0.02	LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV)	1741	223	317	417	515	606	706	799	908	1009	1110	1209	1350	1497	1634	1763	1869	1919	Measured Value (mV)
	SLOPE (mV/dB)	25.7	21	12	10	5	-6	-9	-19	-12	-14	-16	-19	-6	12	21	22	0	-2	ERROR (mV)
	LIN. ERR. (dB)	0.9	0.82	0.48	0.38	0.20	-0.25	-0.35	-0.73	-0.48	-0.54	-0.60	-0.75	-0.25	0.48	0.82	0.85	-0.02	-0.07	LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV)	1761	232	327	431	529	623	721	809	917	1020	1123	1224	1364	1513	1646	1777	1895	1951	Measured Value (mV)
	SLOPE (mV/dB)	25.8	21	13	13	8	-1	-7	-22	-17	-17	-18	-20	-9	11	15	16	5	10	ERROR (mV)
	LIN. ERR. (dB)	0.8	0.81	0.49	0.51	0.31	-0.05	-0.26	-0.85	-0.67	-0.68	-0.69	-0.78	-0.36	0.41	0.56	0.64	0.21	0.38	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	1754	215	311	412	517	612	713	802	909	1011	1111	1210	1352	1506	1641	1774	1887	1941	Measured Value (mV)
	SLOPE (mV/dB)	26.0	19	11	8	9	0	-2	-17	-14	-16	-20	-25	-12	12	17	20	4	6	ERROR (mV)
	LIN. ERR. (dB)	0.9	0.72	0.42	0.31	0.36	0.02	-0.09	-0.66	-0.54	-0.61	-0.76	-0.94	-0.47	0.46	0.66	0.79	0.14	0.22	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	1736	210	306	408	514	609	709	800	907	1008	1109	1205	1335	1488	1621	1751	1867	1919	Measured Value (mV)
	SLOPE (mV/dB)	25.6	12	6	5	9	1	-1	-13	-8	-10	-11	-18	-16	9	13	15	3	4	ERROR (mV)
	LIN. ERR. (dB)	0.7	0.48	0.23	0.21	0.34	0.05	-0.05	-0.50	-0.33	-0.39	-0.45	-0.70	-0.63	0.34	0.53	0.60	0.12	0.15	LINEARITY ERROR (dB)
	Avg. Slope: 25.7 mV/dB		0.7	0.6	0.7	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.7	0.9	0.9	1	0.9	0.9	Flatness dB: ±1 dB





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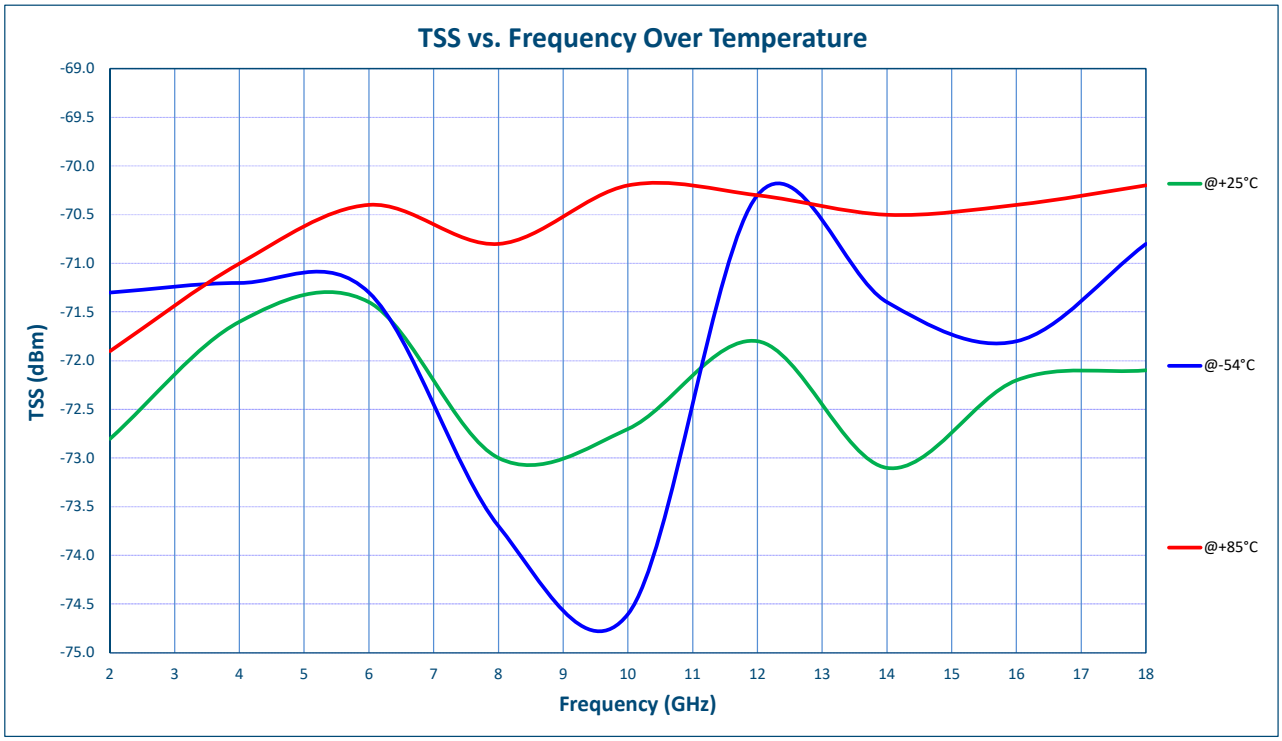

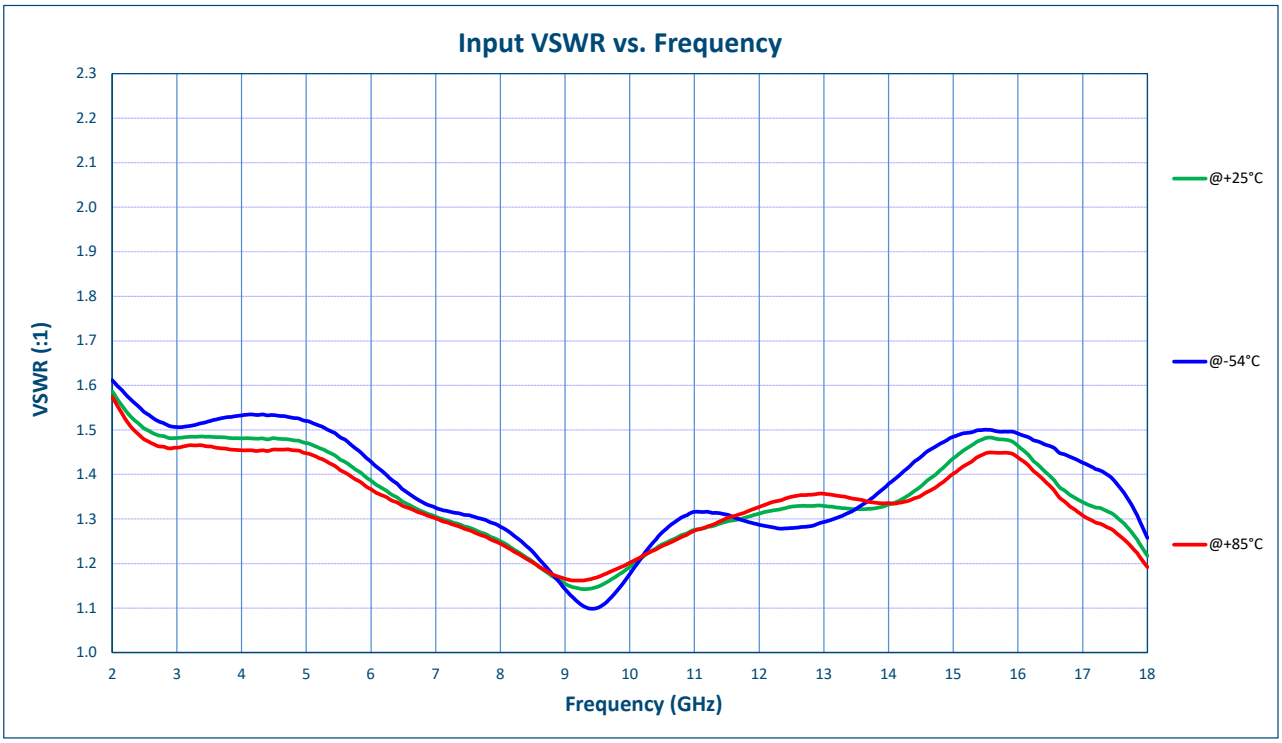

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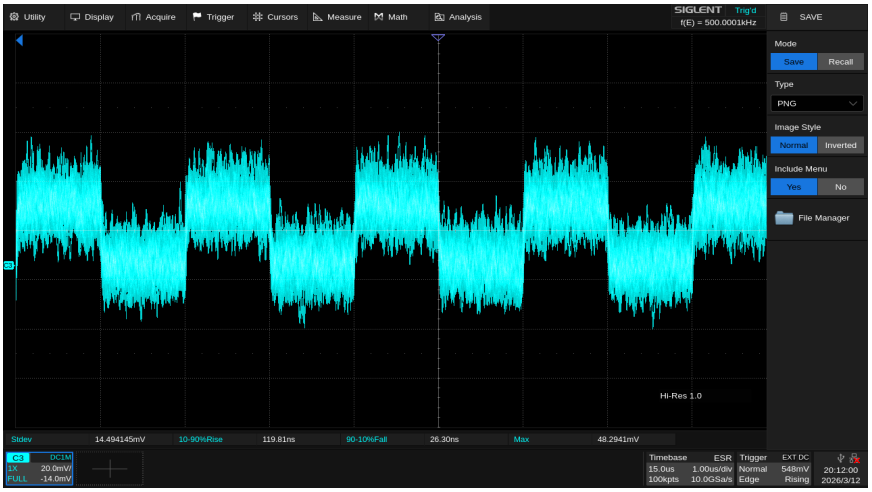
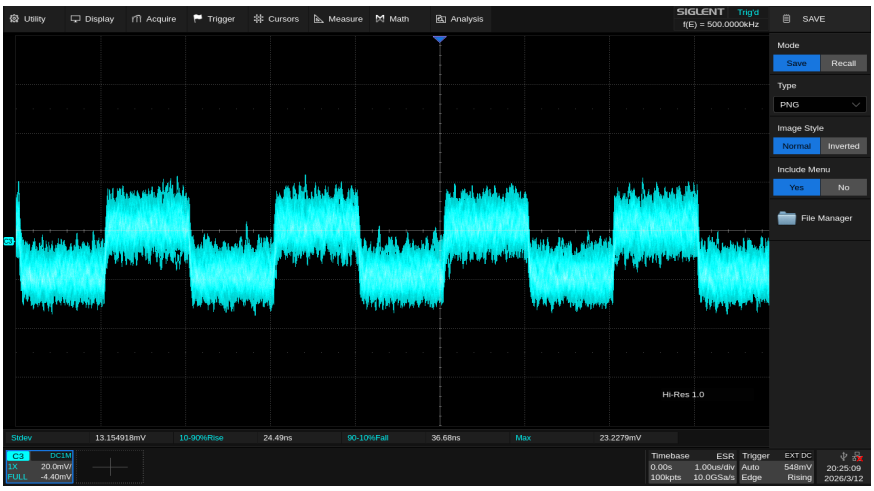
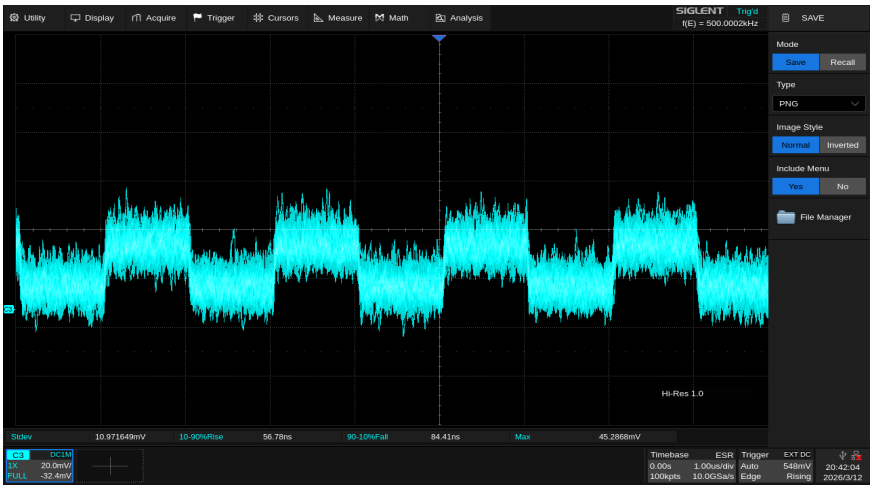
TSS @ -72.7 dBm (+25°C, 10GHz)



TSS @ -74.6 dBm (-54°C, 10GHz)



TSS @ -70.2 dBm (+85°C, 10GHz)



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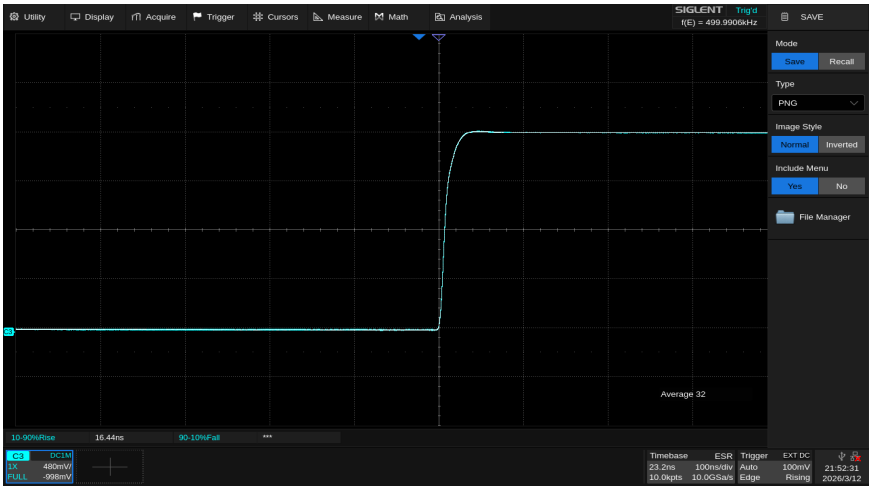
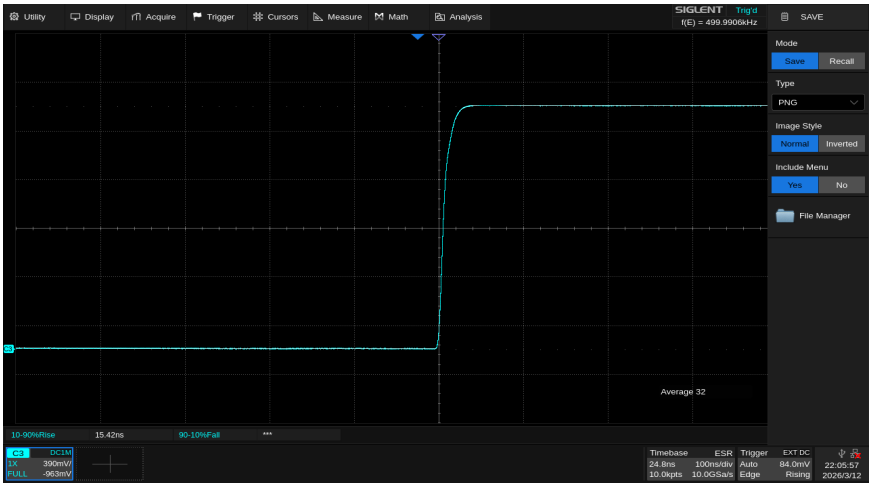
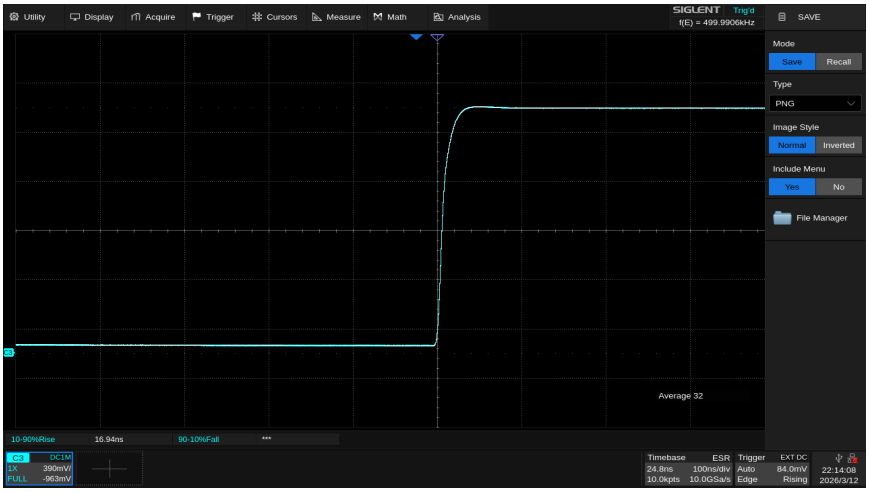
Rise time 16.4 ns
(+25°C, 10GHz, +7 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



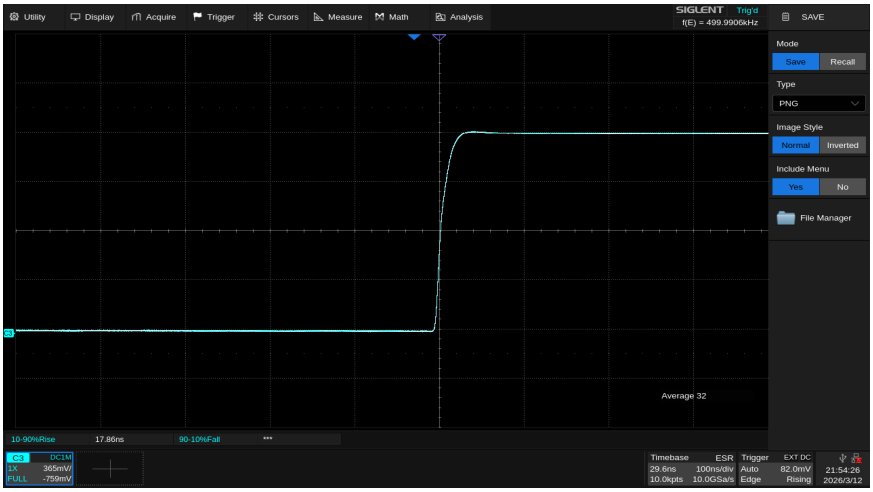
Rise time 15.4 ns
(-54°C, 10GHz, +7 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



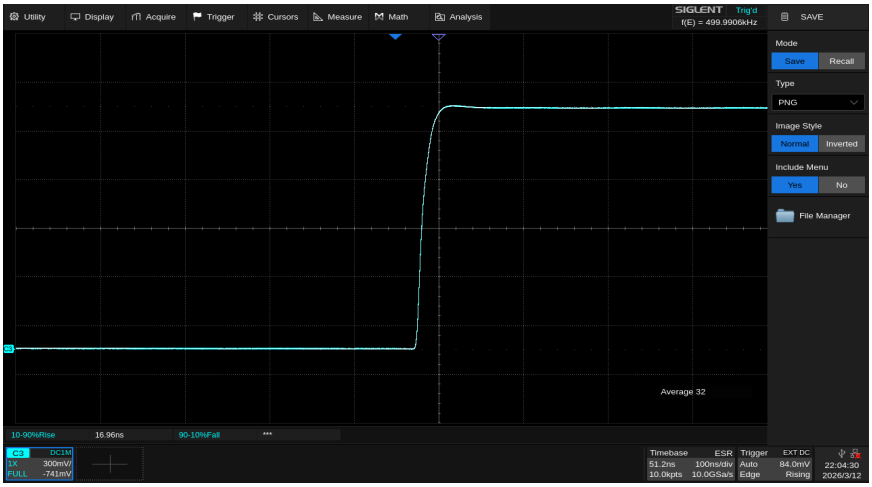
Rise time 16.9 ns
(+85°C, 10GHz, +7 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



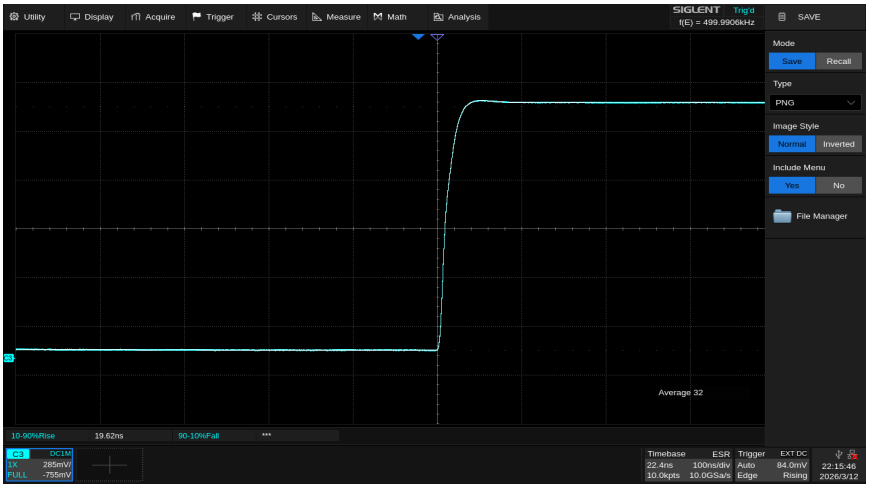
Rise time 17.8 ns
(+25°C, 10GHz, -10 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



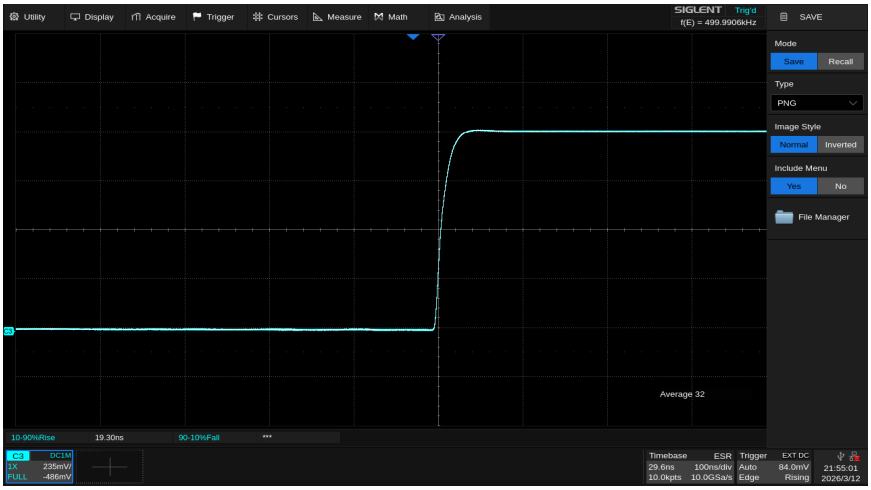
Rise time 16.9 ns
(-54°C, 10GHz, -10 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



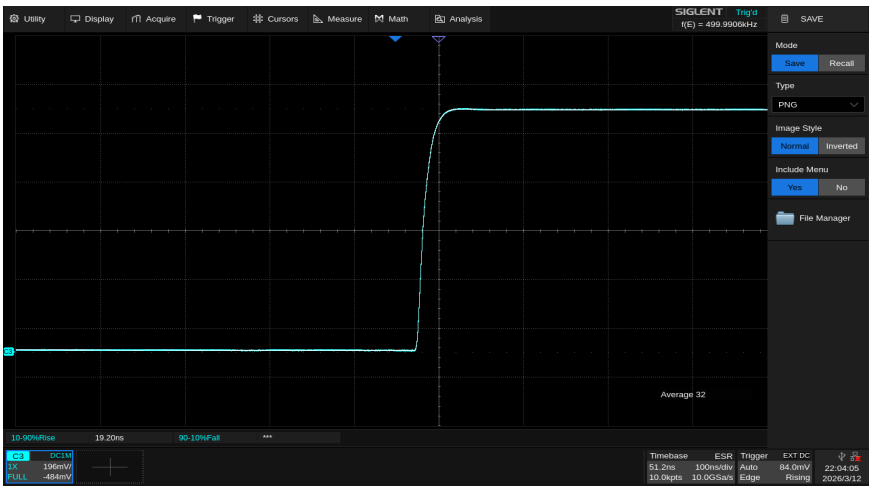
Rise time 19.6 ns
(+85°C, 10GHz, -10 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



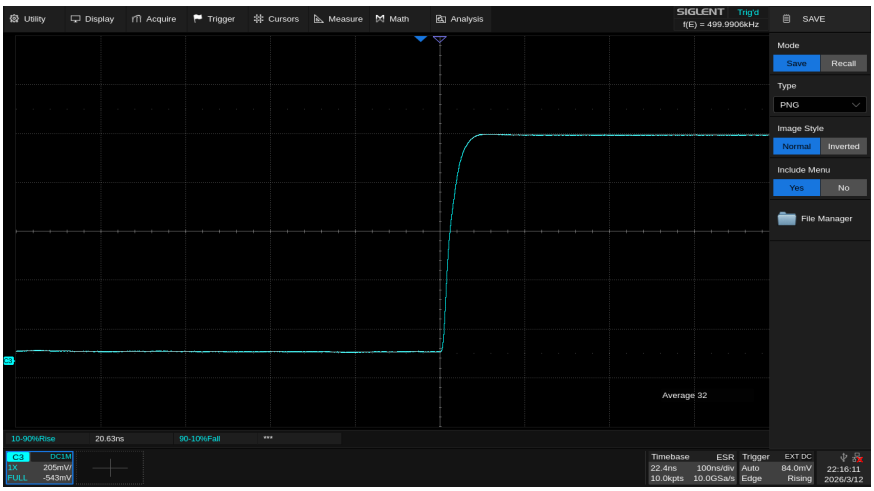
Rise time 19.3 ns
(+25°C, 10GHz, -30 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



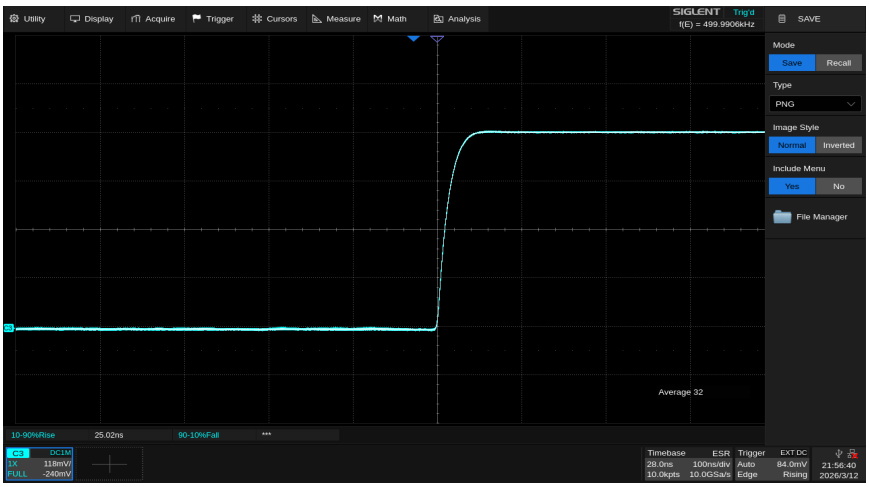
Rise time 19.2 ns
(-54°C, 10GHz, -30 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



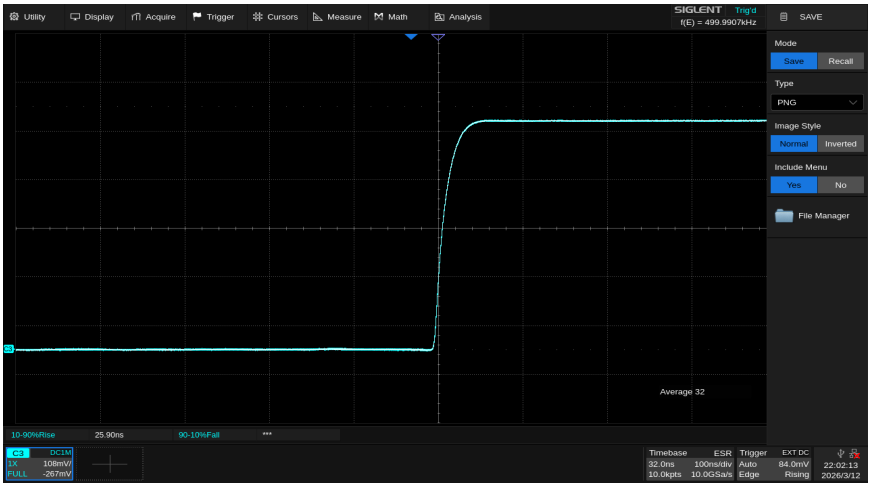
Rise time 20.6 ns
(+85°C, 10GHz, -30 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



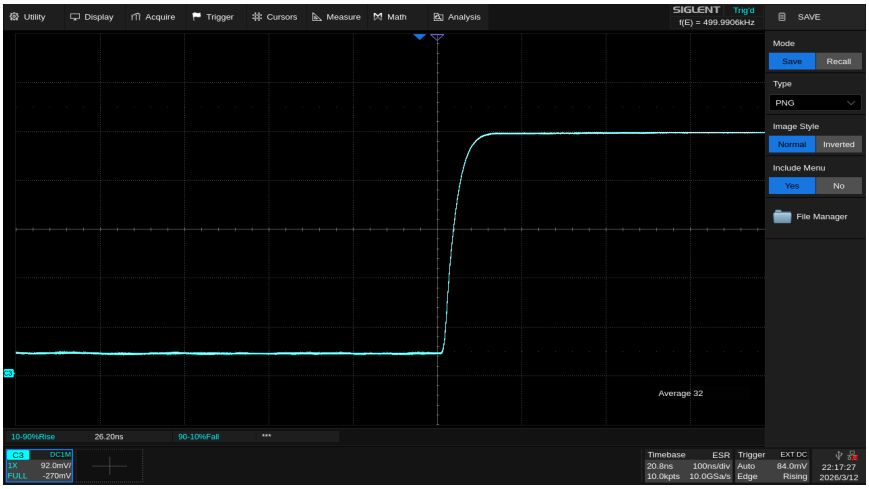
Rise time 25.0 ns
(+25°C, 10GHz, -50 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



Rise time 25.9 ns
(-54°C, 10GHz, -50 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



Rise time 26.2 ns
(+85°C, 10GHz, -50 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



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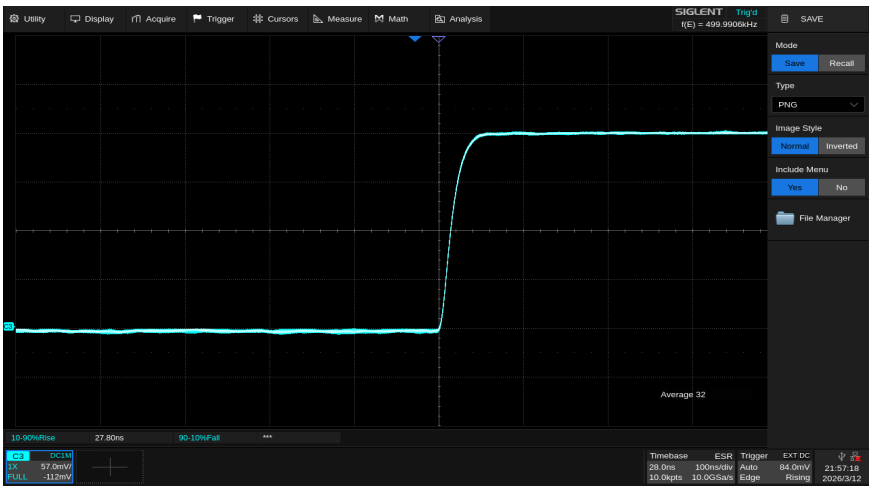
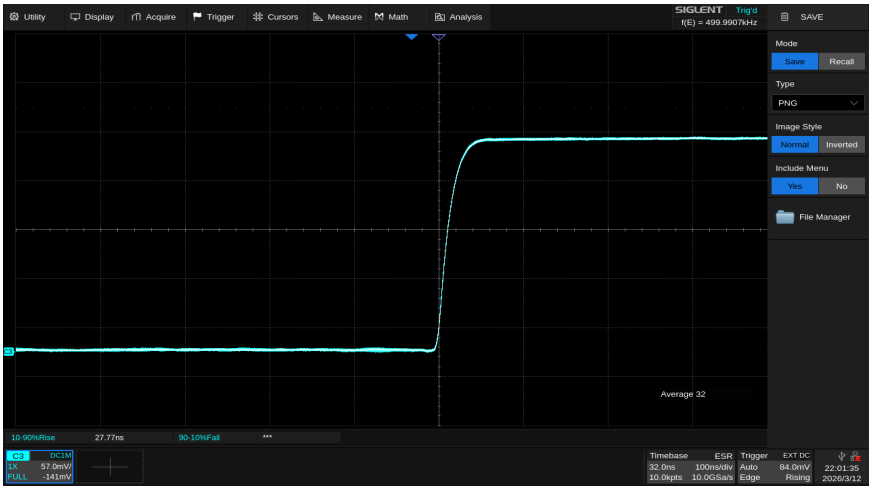
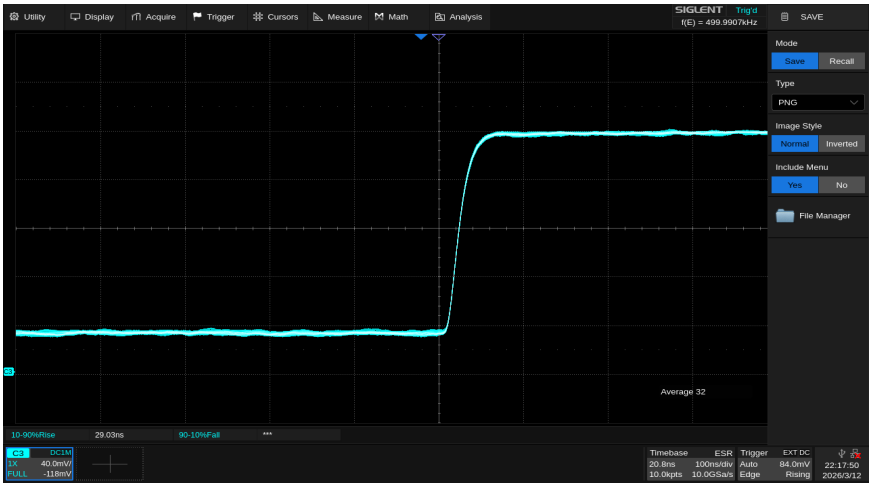
Rise time 27.8 ns
(+25°C, 10GHz, -60 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



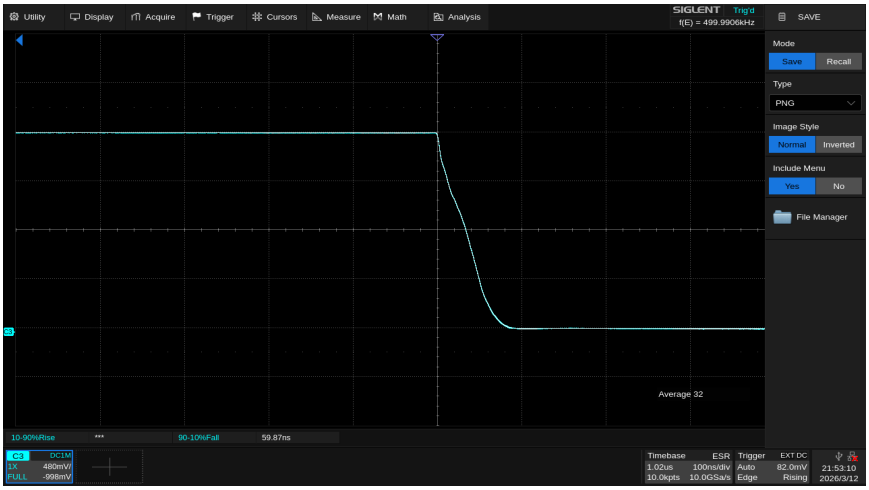
Rise time 27.7 ns
(-54°C, 10GHz, -60 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



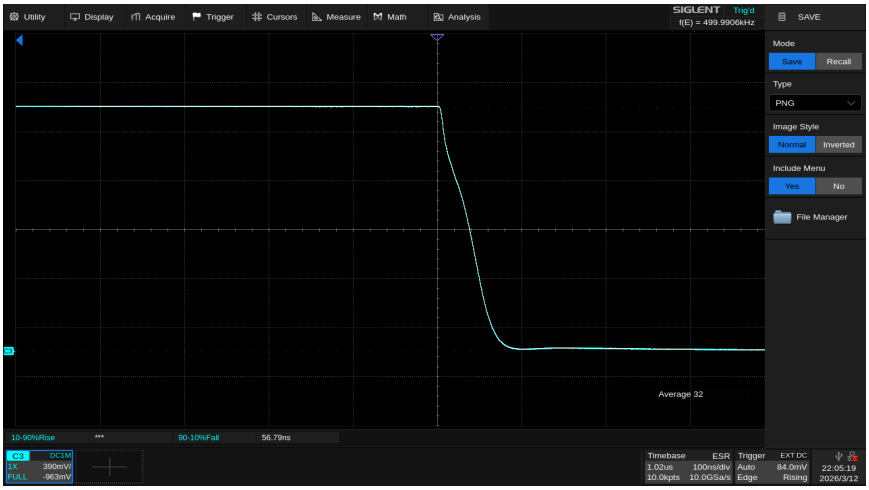
Rise time 29.0 ns
(+85°C, 10GHz, -60 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



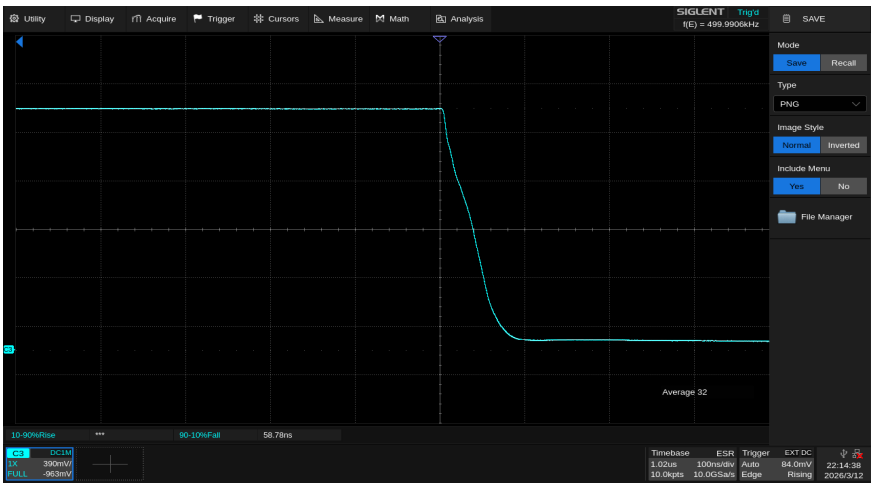
Recovery time 59.8 ns
(+25°C, 10GHz, +7 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



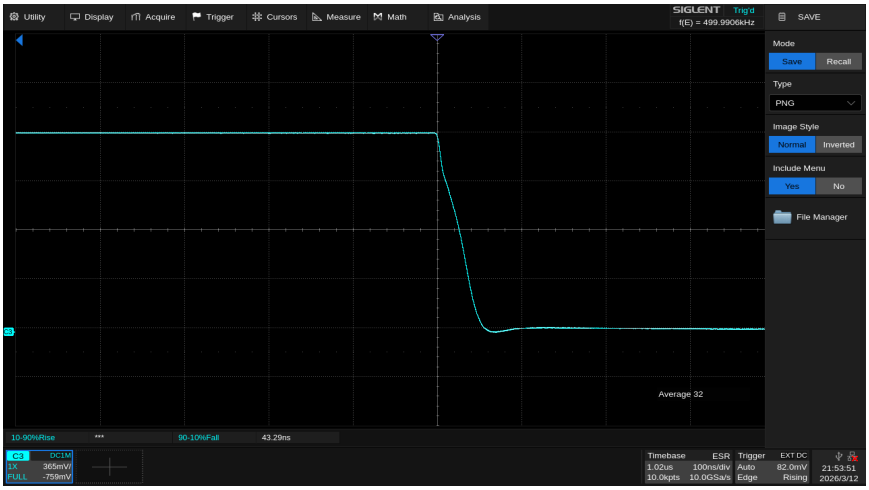
Recovery time 56.7 ns
(-54°C, 10GHz, +7 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



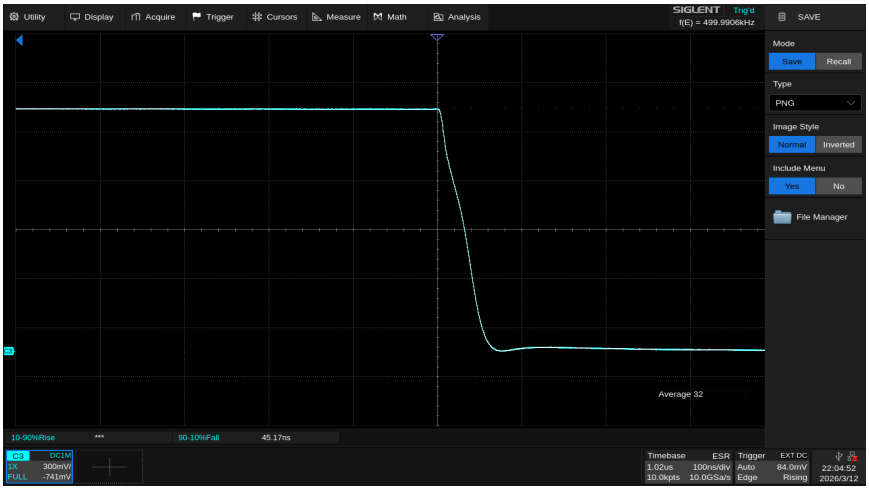
Recovery time 58.7 ns
(+85°C, 10GHz, +7 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



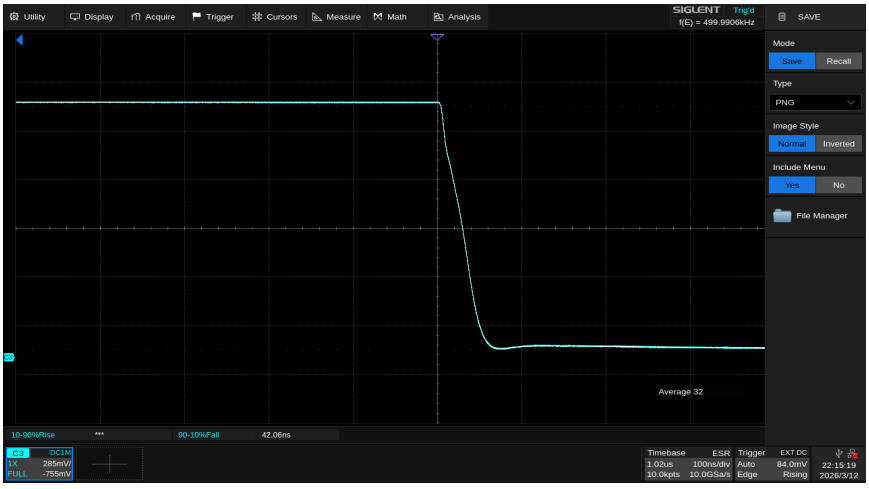
Recovery time 43.2 ns
(+25°C, 10GHz, -10 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



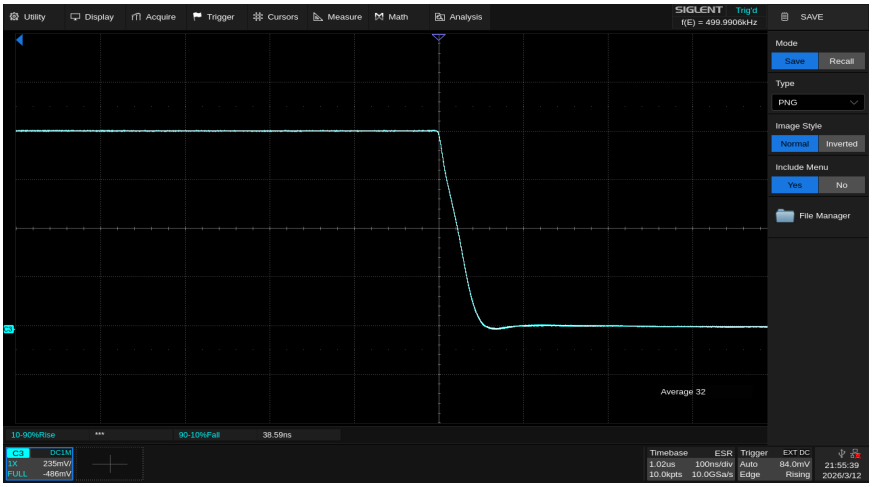
Recovery time 45.1 ns
(-54°C, 10GHz, -10 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



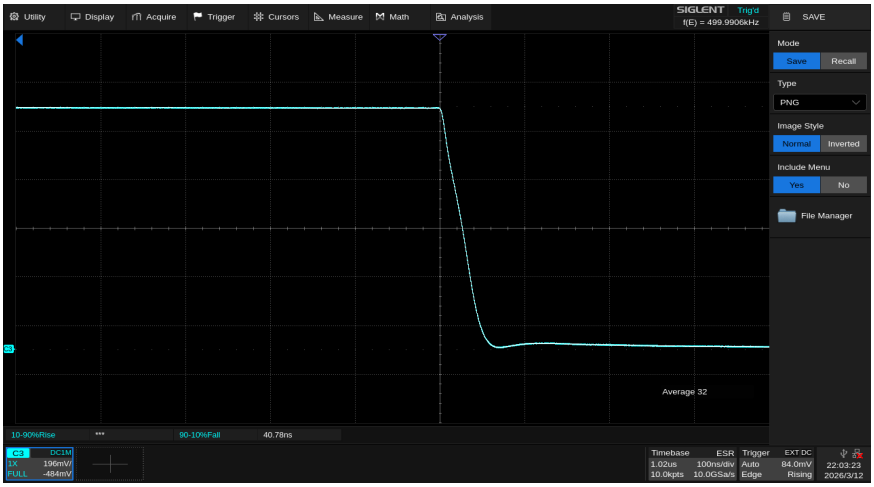
Recovery time 42.0 ns
(+85°C, 10GHz, -10 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



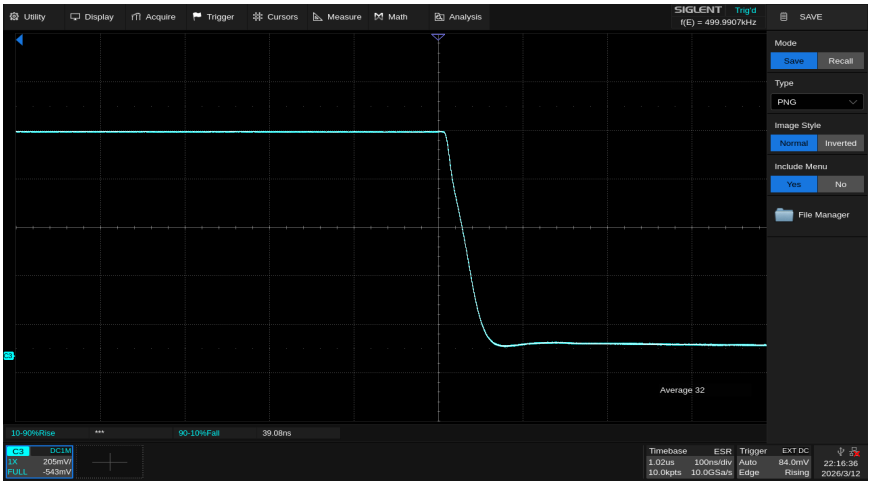
Recovery time 38.5 ns
(+25°C, 10GHz, -30 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



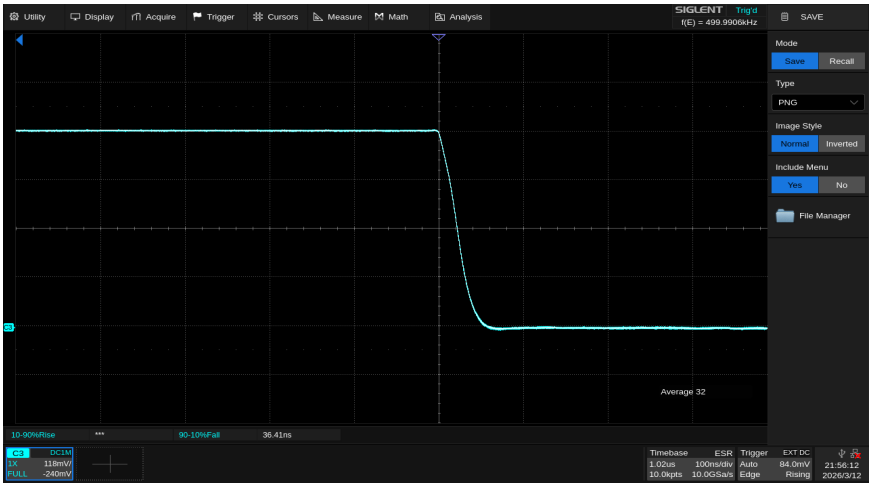
Recovery time 40.7 ns
(-54°C, 10GHz, -30 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



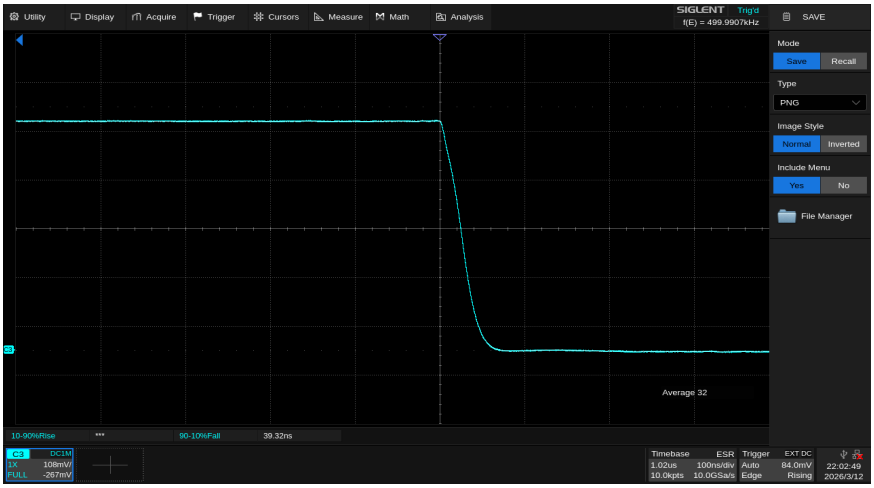
Recovery time 39.0 ns
(+85°C, 10GHz, -30 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



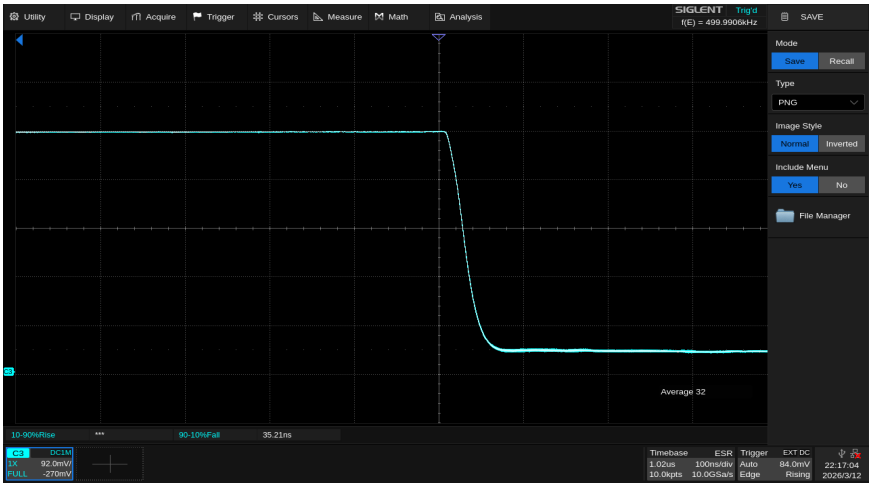
Recovery time 36.4 ns
(+25°C, 10GHz, -50 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



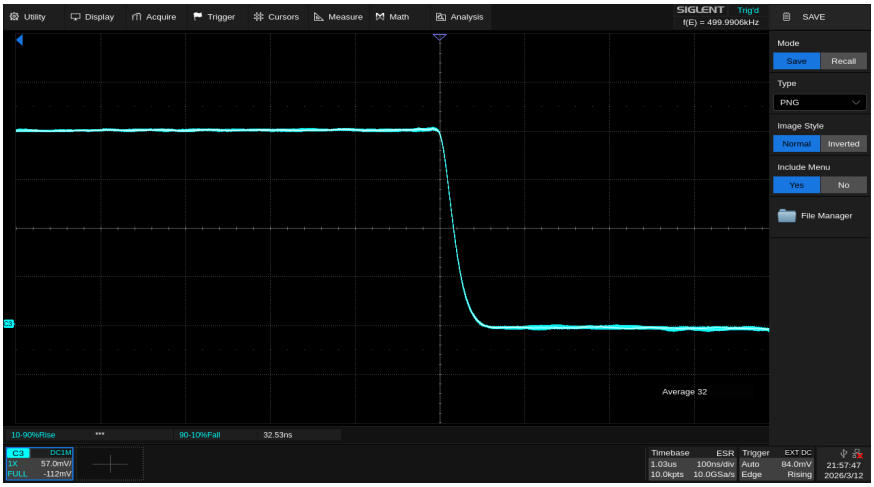
Recovery time 39.3 ns
(-54°C, 10GHz, -50 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



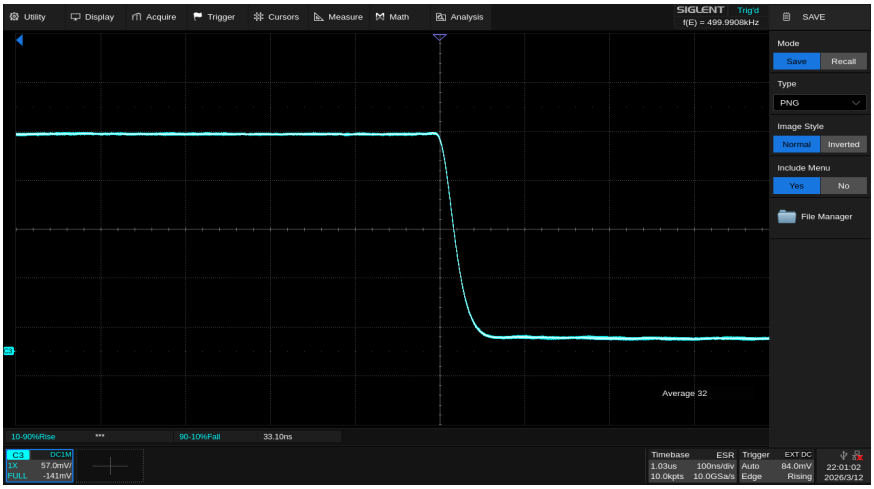
Recovery time 35.2 ns
(+85°C, 10GHz, -50 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



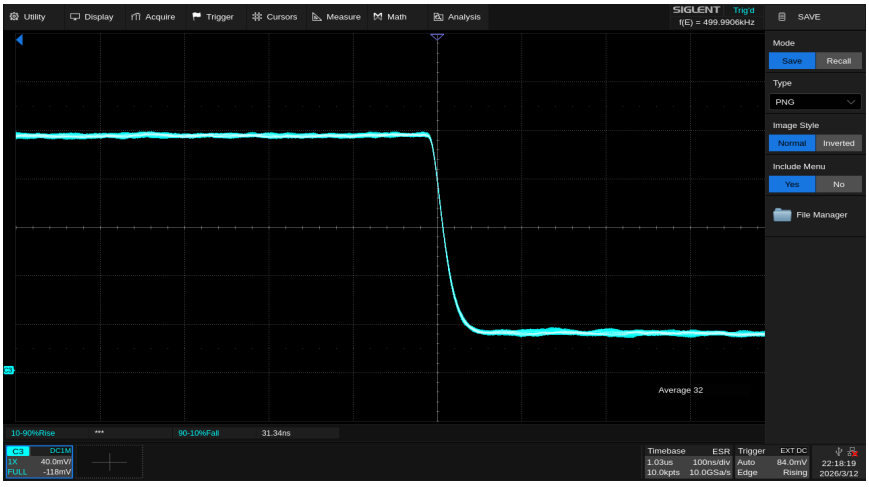
Recovery time 32.5 ns
(+25°C, 10GHz, -60 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



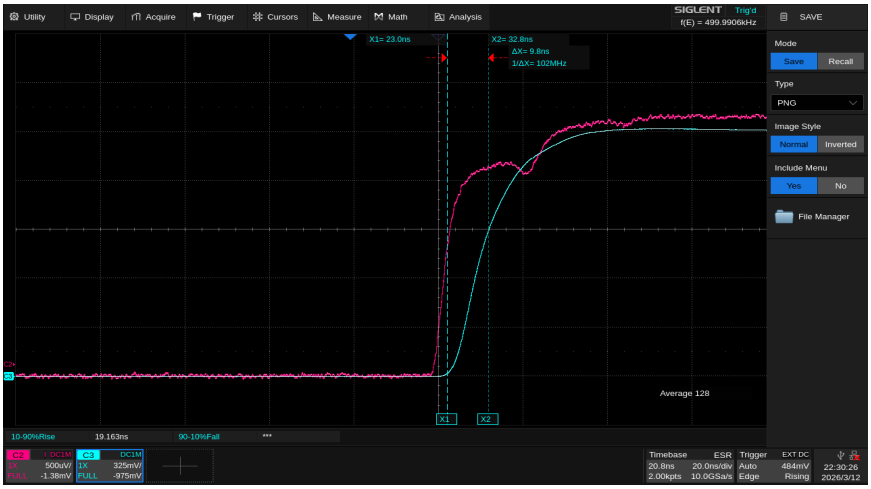
Recovery time 33.1 ns
(-54°C, 10GHz, -60 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



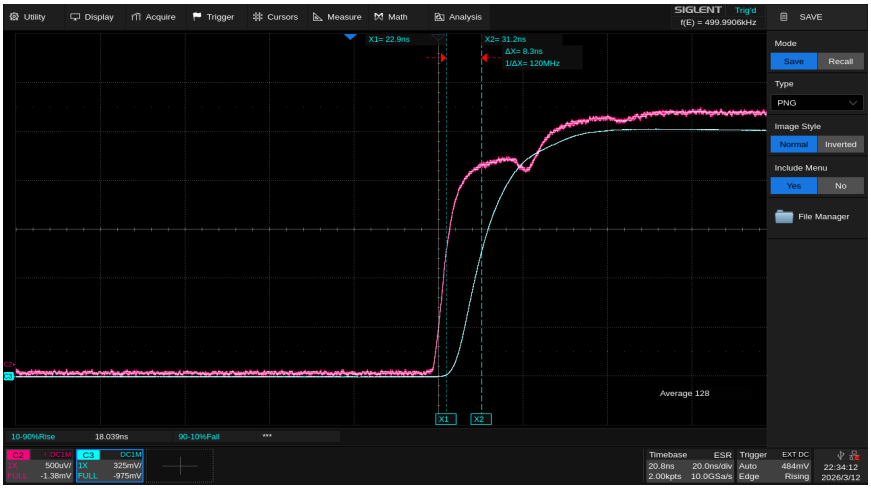
Recovery time 31.3 ns
(+85°C, 10GHz, -60 dBm,
Pulse width = 1 us,
Pulse Period = 2 us)



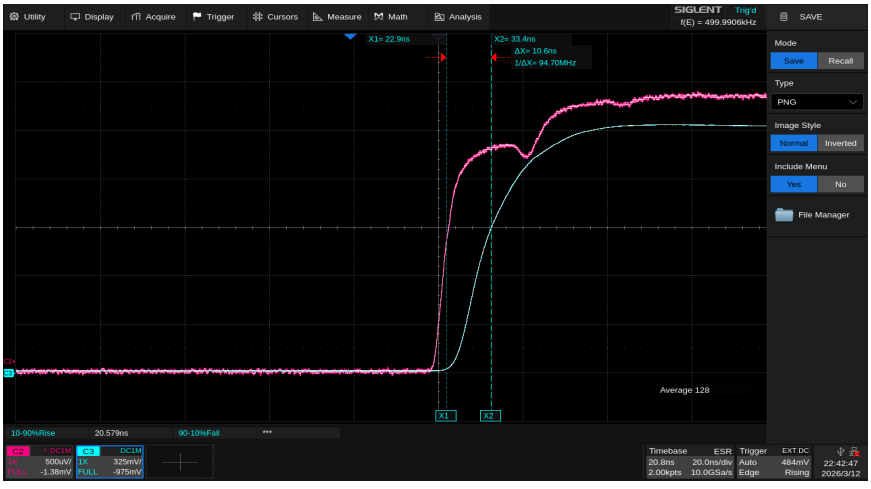
Throughput time 9.8 ns (+25°C)



Throughput time 8.3 ns (-54°C)



Throughput time 10.6 ns (+85°C)



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