



**SUMMARY TEST DATA  
ON  
SDLVA-6G18G-CD-2-OPT218**

PL36390/2218

Customer: \_\_\_\_\_ Tested By: Rcombs  
SO No: \_\_\_\_\_ Temperature: +25° C  
Model No: SDLVA-6G18G-CD-2-OPT218 Date: 4/28/2022  
Serial No: PL36390/2218 Drawing No: 27623906 Rev: A1

| TEST ITEM NO. | PARAMETERS     | SPECIFIED VALUE                                | TEST RESULTS                    | QA QC       |
|---------------|----------------|--|---------------------------------|-------------|
| 1             | Frequency:     | 2.0 GHz – 18.0 GHz                             | 2.0 GHz – 18.0 GHz<br>See Plots | PMI<br>QA 2 |
| 2             | Flatness:      | ± 2.0 dB Maximum                               | ±1.3 dB 25°C<br>See Plots       |             |
| 3             | TSS:           | -70 dBm Minimum                                | -72 dBm                         |             |
| 4             | VSWR:          | 2.0:1<br>(Input)                               | 1.7:1<br>(Input)                |             |
| 5             | Power Input:   | +17 dBm CW Maximum                             | Pass                            |             |
| 6             | RF Out:        | +13 dBm ±3 dB Typical                          | 13.55 dBm Avg.                  |             |
| 7             | Log Slope:     | 25 mV/dB (±10%) 50Ω                            | 25 mV/dB<br>See Plots           |             |
| 8             | Log Range:     | -70 to +5 dBm                                  | -70 to +5 dBm<br>See Plots      |             |
| 9             | Log Linearity: | ±2.5 dB (-40°C - +85°C)                        | ±1.3 dB<br>See Plots            |             |
| 10            | Pulse Range:   | 30 ns to CW                                    | Pass                            |             |
| 11            | Rise Time:     | 10 ns (6 ns Typical)                           | 5.8 ns                          |             |
| 12            | Recovery Time: | 60 ns Typical                                  | 39.8 ns                         |             |
| 13            | DC Supply:     | +15V or +12V @ 350 mA<br>-15V or -12V @ 180 mA | +12V @ 255 mA<br>-12V @ 96 mA   | PMI<br>QA 2 |

QA/QC Approval: \_\_\_\_\_

PMI  
QA 2

Date: 4/29/2022



# SUMMARY TEST DATA ON SDLVA-6G18G-CD-2-OPT218

PL36390/2218

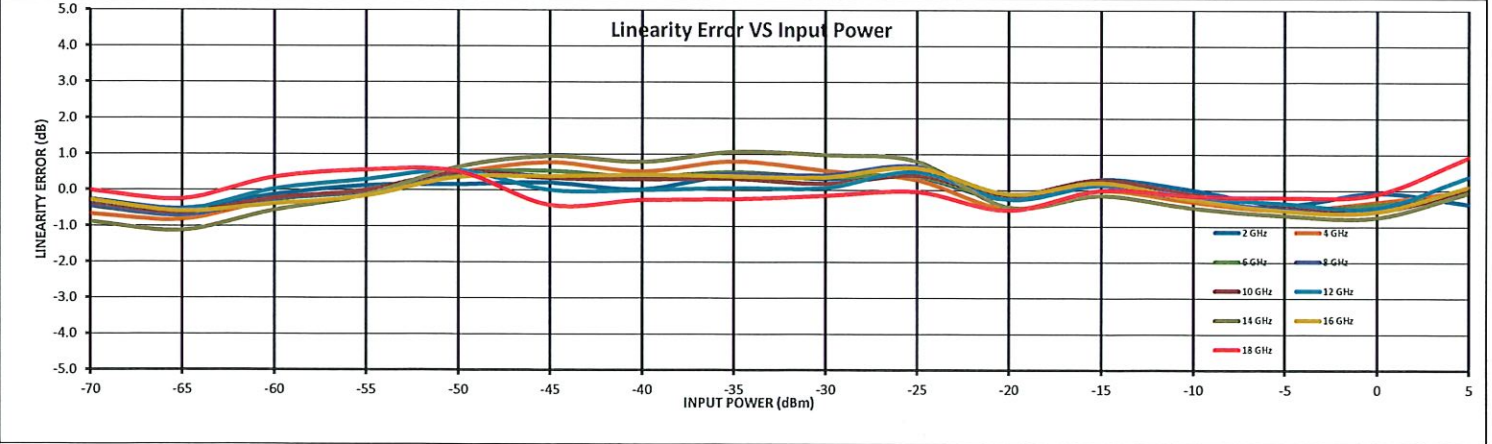
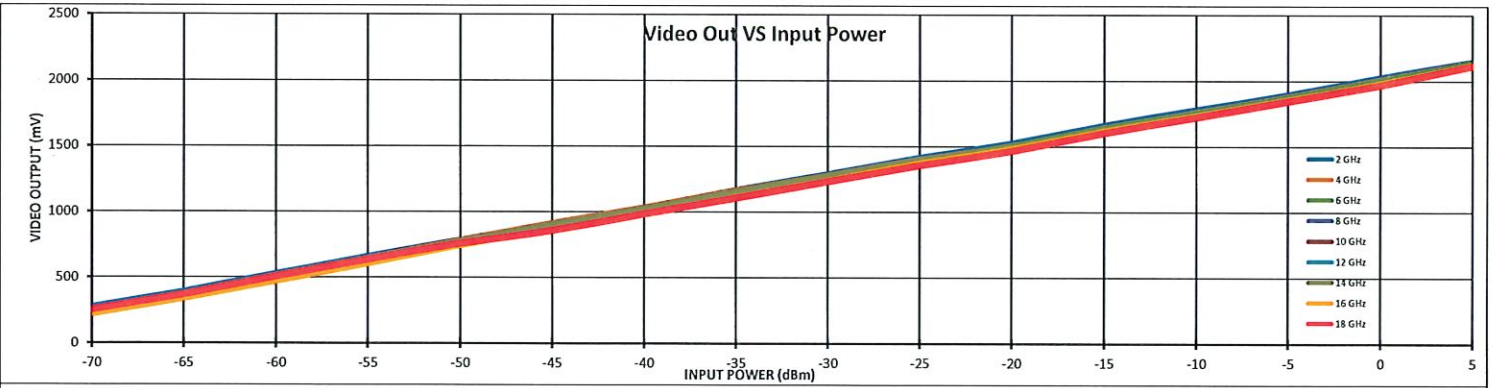
## Log Transfer Over Frequency +25°C



Model: SDLVA-6G18G-CD-2-OPT218  
 Serial No: PL36390/2218  
 Date: 4/28/2022  
 Tested By: Rcombs  
 Test Temp: +25°C

| Frequency | INTERCEPT (mV) | 2033 | -70   | -65   | -60   | -55   | -50  | -45   | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5    | 0     | 5     | RF Input Power (dBm) |
|-----------|----------------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| 2 GHz     | SLOPE (mV/dB)  | 25.0 | 277   | 396   | 531   | 662   | 788  | 914   | 1034  | 1169  | 1291  | 1418  | 1528  | 1666  | 1783  | 1898  | 2032  | 2149  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.5  | -6    | -13   | -3    | 3     | 4    | 5     | 0     | 11    | 8     | 9     | -6    | 8     | 0     | -10   | -1    | -9    | Error (mV)           |
|           |                |      |       | -0.26 | -0.51 | -0.12 | 0.13 | 0.16  | 0.21  | 0.02  | 0.43  | 0.32  | 0.37  | -0.23 | 0.31  | 0.01  | -0.40 | -0.06 | -0.37                |
| 4 GHz     | SLOPE (mV/dB)  | 24.9 | 258   | 379   | 516   | 648   | 785  | 917   | 1035  | 1167  | 1285  | 1403  | 1508  | 1645  | 1762  | 1881  | 2012  | 2144  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.8  | -16   | -20   | -7    | 0     | 12   | 19    | 13    | 20    | 14    | 7     | -13   | 0     | -8    | -13   | -8    | 0     | Error (mV)           |
|           |                |      | -0.66 | -0.81 | -0.28 | 0.00  | 0.48 | 0.78  | 0.52  | 0.81  | 0.55  | 0.29  | -0.51 | 0.00  | -0.31 | -0.54 | -0.31 | 0.00  |                      |
| 6 GHz     | SLOPE (mV/dB)  | 25.3 | 236   | 356   | 494   | 626   | 765  | 893   | 1015  | 1145  | 1268  | 1395  | 1506  | 1643  | 1758  | 1877  | 2007  | 2141  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.7  | -11   | -18   | -7    | -1    | 12   | 14    | 9     | 13    | 9     | 10    | -6    | 5     | -5    | -13   | -10   | -2    | Error (mV)           |
|           |                |      | -0.45 | -0.70 | -0.27 | -0.04 | 0.47 | 0.54  | 0.37  | 0.51  | 0.37  | 0.40  | -0.23 | 0.22  | -0.22 | -0.52 | -0.38 | -0.07 |                      |
| 8 GHz     | SLOPE (mV/dB)  | 25.1 | 235   | 354   | 491   | 621   | 760  | 882   | 1006  | 1135  | 1259  | 1391  | 1494  | 1628  | 1744  | 1862  | 1987  | 2126  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.7  | -11   | -17   | -6    | -1    | 12   | 10    | 8     | 11    | 11    | 17    | -5    | 4     | -6    | -13   | -13   | 0     | Error (mV)           |
|           |                |      | -0.44 | -0.70 | -0.25 | -0.03 | 0.49 | 0.38  | 0.32  | 0.46  | 0.42  | 0.67  | -0.21 | 0.15  | -0.24 | -0.51 | -0.52 | 0.02  |                      |
| 10 GHz    | SLOPE (mV/dB)  | 25.1 | 232   | 350   | 486   | 616   | 754  | 876   | 1000  | 1126  | 1248  | 1379  | 1491  | 1627  | 1742  | 1860  | 1982  | 2121  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.6  | -9    | -16   | -6    | 0     | 13   | 8     | 8     | 8     | 5     | 10    | -3    | 7     | -3    | -10   | -14   | 1     | Error (mV)           |
|           |                |      | -0.35 | -0.62 | -0.22 | -0.01 | 0.50 | 0.33  | 0.30  | 0.33  | 0.18  | 0.42  | -0.13 | 0.30  | -0.11 | -0.39 | -0.56 | 0.02  |                      |
| 12 GHz    | SLOPE (mV/dB)  | 24.7 | 253   | 370   | 508   | 638   | 767  | 877   | 1001  | 1126  | 1249  | 1384  | 1488  | 1621  | 1737  | 1856  | 1977  | 2121  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.6  | -7    | -14   | 1     | 7     | 14   | 0     | 0     | 2     | 2     | 13    | -6    | 4     | -4    | -9    | -12   | 9     | Error (mV)           |
|           |                |      | -0.29 | -0.55 | 0.03  | 0.30  | 0.55 | 0.01  | 0.01  | 0.07  | 0.07  | 0.52  | -0.24 | 0.14  | -0.17 | -0.35 | -0.47 | 0.38  |                      |
| 14 GHz    | SLOPE (mV/dB)  | 24.8 | 238   | 356   | 494   | 629   | 773  | 904   | 1025  | 1156  | 1278  | 1398  | 1491  | 1623  | 1738  | 1858  | 1981  | 2122  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 1.1  | -22   | -28   | -14   | -3    | 16   | 24    | 20    | 27    | 24    | 20    | -11   | -4    | -12   | -17   | -18   | -1    | Error (mV)           |
|           |                |      | -0.88 | -1.12 | -0.55 | -0.13 | 0.65 | 0.95  | 0.79  | 1.07  | 0.98  | 0.81  | -0.46 | -0.14 | -0.49 | -0.69 | -0.74 | -0.05 |                      |
| 16 GHz    | SLOPE (mV/dB)  | 25.5 | 212   | 331   | 463   | 596   | 737  | 865   | 993   | 1119  | 1246  | 1380  | 1489  | 1624  | 1739  | 1859  | 1985  | 2130  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.6  | -7    | -15   | -10   | -4    | 9    | 10    | 11    | 10    | 9     | 16    | -2    | 6     | -7    | -14   | -15   | 3     | Error (mV)           |
|           |                |      | -0.27 | -0.58 | -0.38 | -0.16 | 0.36 | 0.38  | 0.43  | 0.39  | 0.36  | 0.62  | -0.09 | 0.22  | -0.26 | -0.56 | -0.58 | 0.11  |                      |
| 18 GHz    | SLOPE (mV/dB)  | 24.6 | 254   | 371   | 508   | 636   | 758  | 857   | 984   | 1107  | 1232  | 1358  | 1468  | 1605  | 1723  | 1845  | 1970  | 2118  | Measured Value (mV)  |
|           | LIN. ERR. (dB) | 0.9  | 0     | -6    | 9     | 14    | 13   | -10   | -7    | -6    | -4    | -1    | -13   | 0     | -4    | -5    | -2    | 23    | Error (mV)           |
|           |                |      | -0.01 | -0.24 | 0.36  | 0.56  | 0.52 | -0.42 | -0.27 | -0.25 | -0.15 | -0.04 | -0.55 | 0.01  | -0.16 | -0.19 | -0.10 | 0.93  |                      |

Avg. Slope: 25 mV/dB      1.3   1.3   1.3   1.3   1   1.2   1   1.2   1.2   1.2   1.2   1.2   1.2   1.1   1.2   0.6   Flatness dB: ±1.3 dB





# SUMMARY TEST DATA ON SDLVA-6G18G-CD-2-OPT218

PL36390/2218

## Log Transfer Over Frequency +85°C

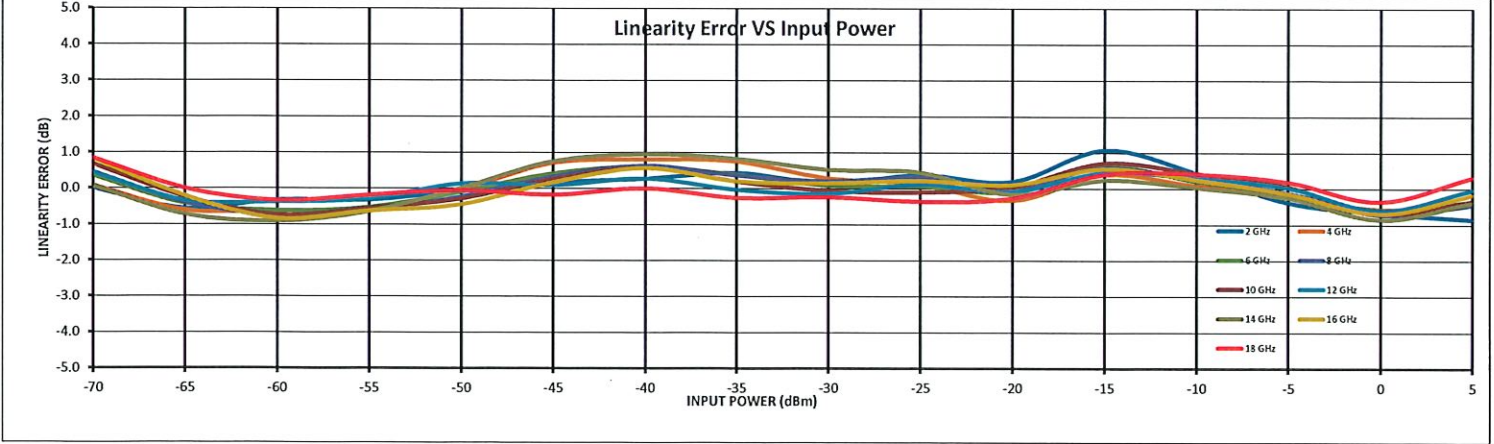
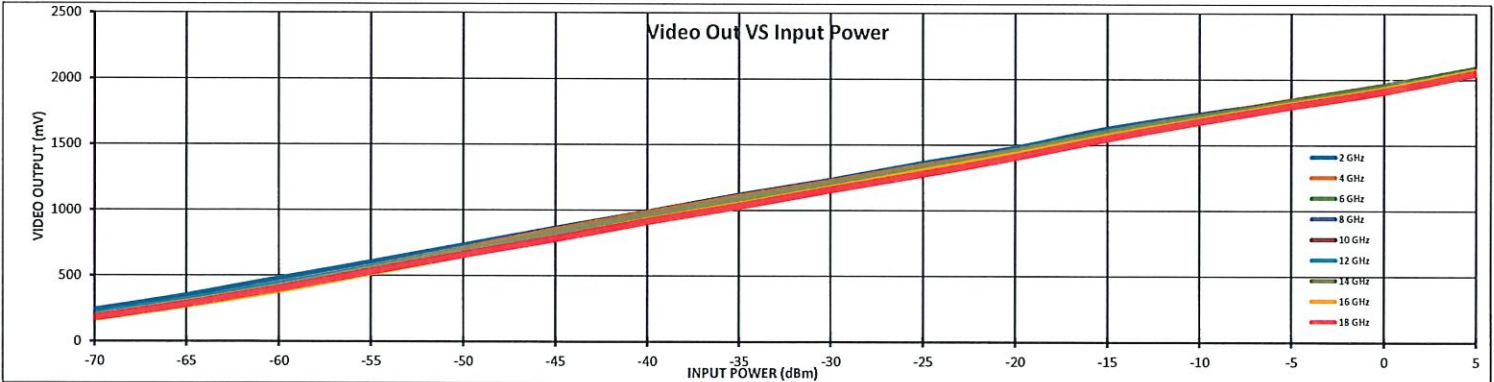


Model: SDLVA-6G18G-CD-2-OPT218  
Serial No: PL36390/2218  
Date: 4/28/2022  
Tested By: Rcombs  
Test Temp: +85°C

| Frequency | INTERCEPT (mV) | SLOPE (mV/dB) | LIN. ERR. (dB) | -70  | -65   | -60   | -55   | -50   | -45   | -40  | -35   | -30   | -25   | -20   | -15  | -10  | -5    | 0     | 5     | RF Input Power (dBm) |                      |
|-----------|----------------|---------------|----------------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|------|------|-------|-------|-------|----------------------|----------------------|
| 2 GHz     | 1967           | 24.7          | 1.1            | 239  | 348   | 478   | 601   | 731   | 860   | 986  | 1114  | 1230  | 1359  | 1478  | 1623 | 1731 | 1834  | 1950  | 2069  | Measured Value (mV)  |                      |
|           |                |               |                | 0    | -14   | -8    | -8    | -2    | 4     | 7    | 11    | 4     | 10    | 5     | 27   | 11   | -9    | -16   | -21   |                      | Error (mV)           |
|           |                |               |                | 0.02 | -0.56 | -0.31 | -0.32 | -0.06 | 0.17  | 0.27 | 0.44  | 0.14  | 0.39  | 0.20  | 1.08 | 0.44 | -0.38 | -0.67 | -0.85 |                      | LINEARITY ERROR (dB) |
| 4 GHz     | 1970           | 25.2          | 0.8            | 207  | 315   | 441   | 568   | 708   | 853   | 982  | 1107  | 1221  | 1343  | 1458  | 1602 | 1720 | 1840  | 1956  | 2088  | Measured Value (mV)  |                      |
|           |                |               |                | 2    | -16   | -16   | -15   | -1    | 18    | 20   | 19    | 7     | 3     | -8    | 10   | 2    | -5    | -14   | -9    |                      | Error (mV)           |
|           |                |               |                | 0.09 | -0.60 | -0.62 | -0.58 | -0.04 | 0.71  | 0.80 | 0.76  | 0.29  | 0.13  | -0.33 | 0.40 | 0.08 | -0.19 | -0.57 | -0.35 |                      | LINEARITY ERROR (dB) |
| 6 GHz     | 1966           | 25.5          | 0.6            | 194  | 301   | 423   | 553   | 691   | 832   | 964  | 1085  | 1205  | 1332  | 1455  | 1601 | 1717 | 1836  | 1952  | 2085  | Measured Value (mV)  |                      |
|           |                |               |                | 9    | -11   | -16   | -13   | -2    | 11    | 16   | 10    | 2     | 2     | -2    | 16   | 5    | -3    | -16   | -9    |                      | Error (mV)           |
|           |                |               |                | 0.36 | -0.42 | -0.61 | -0.52 | -0.10 | 0.42  | 0.61 | 0.39  | 0.09  | 0.06  | -0.08 | 0.63 | 0.21 | -0.12 | -0.58 | -0.35 |                      | LINEARITY ERROR (dB) |
| 8 GHz     | 1953           | 25.5          | 0.7            | 183  | 289   | 407   | 538   | 675   | 816   | 951  | 1072  | 1195  | 1325  | 1445  | 1586 | 1705 | 1823  | 1935  | 2069  | Measured Value (mV)  |                      |
|           |                |               |                | 12   | -10   | -19   | -15   | -6    | 9     | 16   | 9     | 5     | 8     | 1     | 15   | 7    | -3    | -18   | -11   |                      | Error (mV)           |
|           |                |               |                | 0.46 | -0.38 | -0.74 | -0.61 | -0.23 | 0.34  | 0.63 | 0.37  | 0.21  | 0.33  | 0.05  | 0.58 | 0.26 | -0.11 | -0.72 | -0.44 |                      | LINEARITY ERROR (dB) |
| 10 GHz    | 1945           | 25.5          | 0.7            | 175  | 279   | 394   | 527   | 661   | 803   | 938  | 1057  | 1178  | 1304  | 1436  | 1581 | 1701 | 1819  | 1928  | 2064  | Measured Value (mV)  |                      |
|           |                |               |                | 17   | -6    | -19   | -14   | -7    | 7     | 15   | 5     | -1    | -2    | 1     | 18   | 11   | 1     | -17   | -9    |                      | Error (mV)           |
|           |                |               |                | 0.68 | -0.23 | -0.73 | -0.55 | -0.28 | 0.26  | 0.58 | 0.20  | -0.06 | -0.10 | 0.05  | 0.72 | 0.43 | 0.06  | -0.68 | -0.34 |                      | LINEARITY ERROR (dB) |
| 12 GHz    | 1941           | 25.0          | 0.6            | 201  | 307   | 431   | 558   | 694   | 818   | 947  | 1065  | 1187  | 1319  | 1439  | 1577 | 1698 | 1817  | 1926  | 2065  | Measured Value (mV)  |                      |
|           |                |               |                | 11   | -8    | -9    | -7    | 3     | 2     | 7    | -1    | -3    | 3     | -2    | 11   | 7    | 1     | -16   | -1    |                      | Error (mV)           |
|           |                |               |                | 0.44 | -0.33 | -0.37 | -0.28 | 0.14  | 0.09  | 0.28 | -0.03 | -0.14 | 0.13  | -0.07 | 0.45 | 0.30 | 0.03  | -0.60 | -0.03 |                      | LINEARITY ERROR (dB) |
| 14 GHz    | 1950           | 25.2          | 1.0            | 188  | 294   | 416   | 548   | 691   | 835   | 966  | 1089  | 1208  | 1332  | 1442  | 1578 | 1699 | 1818  | 1929  | 2067  | Measured Value (mV)  |                      |
|           |                |               |                | 2    | -18   | -23   | -16   | 0     | 19    | 24   | 21    | 13    | 12    | -4    | 6    | 1    | -6    | -21   | -10   |                      | Error (mV)           |
|           |                |               |                | 0.07 | -0.72 | -0.91 | -0.64 | 0.01  | 0.76  | 0.96 | 0.84  | 0.53  | 0.46  | -0.15 | 0.24 | 0.04 | -0.25 | -0.85 | -0.38 |                      | LINEARITY ERROR (dB) |
| 16 GHz    | 1948           | 25.8          | 0.8            | 165  | 267   | 380   | 514   | 648   | 792   | 931  | 1051  | 1178  | 1309  | 1435  | 1576 | 1696 | 1815  | 1930  | 2072  | Measured Value (mV)  |                      |
|           |                |               |                | 21   | -5    | -21   | -16   | -11   | 4     | 15   | 5     | 4     | 6     | 3     | 15   | 6    | -3    | -18   | -4    |                      | Error (mV)           |
|           |                |               |                | 0.83 | -0.21 | -0.83 | -0.62 | -0.44 | 0.17  | 0.57 | 0.21  | 0.15  | 0.23  | 0.11  | 0.56 | 0.25 | -0.13 | -0.69 | -0.16 |                      | LINEARITY ERROR (dB) |
| 18 GHz    | 1917           | 25.1          | 0.9            | 181  | 285   | 402   | 532   | 660   | 783   | 913  | 1032  | 1158  | 1281  | 1408  | 1551 | 1676 | 1797  | 1908  | 2051  | Measured Value (mV)  |                      |
|           |                |               |                | 21   | 0     | -8    | -5    | -1    | 4     | 0    | 6     | 6     | 9     | 7     | 10   | 10   | 5     | -9    | 8     |                      | Error (mV)           |
|           |                |               |                | 0.85 | 0.01  | -0.33 | -0.18 | -0.05 | -0.17 | 0.01 | -0.26 | -0.23 | -0.35 | -0.26 | 0.41 | 0.41 | 0.19  | -0.36 | 0.31  |                      | LINEARITY ERROR (dB) |

Avg. Slope: 25.3 mV/dB

Flatness dB: ±1.9 dB





# SUMMARY TEST DATA ON SDLVA-6G18G-CD-2-OPT218

PL36390/2218

## Log Transfer Over Frequency -40°C

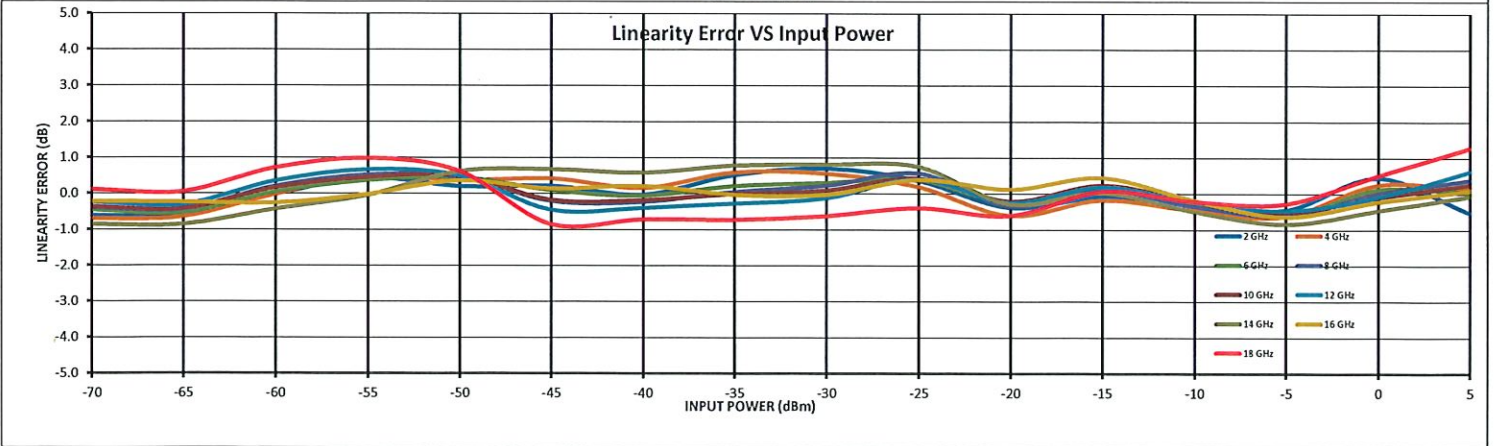
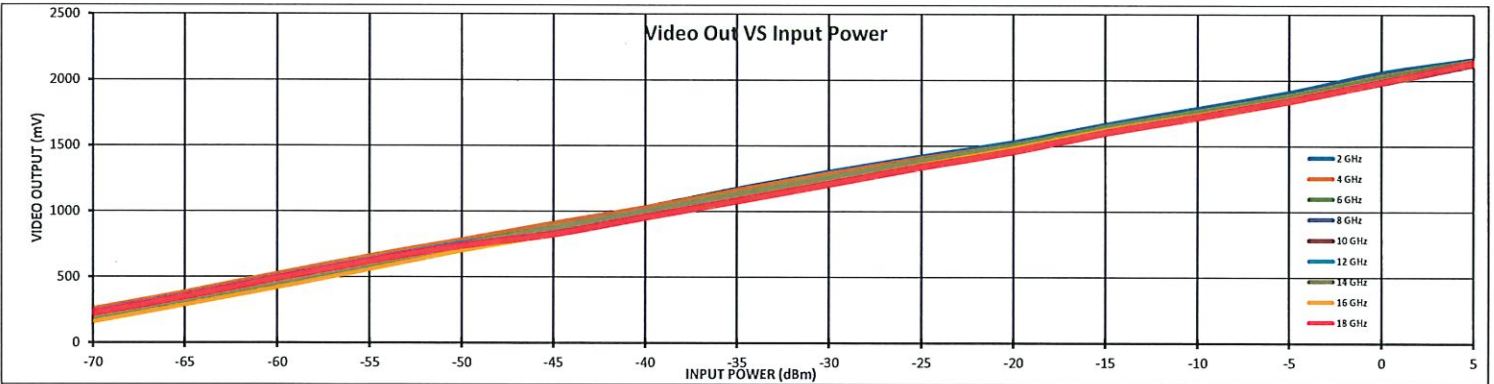


Model: SDLVA-6G18G-CD-2-OPT218  
 Serial No: PL36390/2218  
 Date: 4/28/2022  
 Tested By: Rcombs  
 Test Temp: -40°C

| Frequency | INTERCEPT (mV) | 2043  | -70   | -65   | -60   | -55   | -50  | -45   | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5    | 0     | 5     | RF Input Power (dBm) |
|-----------|----------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| 2 GHz     | INTERCEPT (mV) | 2043  | 249   | 377   | 518   | 657   | 778  | 905   | 1026  | 1167  | 1299  | 1417  | 1525  | 1660  | 1782  | 1905  | 2054  | 2167  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.4  | -15   | -15   | 0     | 11    | 5    | 5     | -1    | 13    | 18    | 9     | -10   | -2    | -7    | -11   | 11    | -13   | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.7   | -0.61 | -0.58 | -0.01 | 0.45  | 0.20 | 0.21  | -0.03 | 0.52  | 0.70  | 0.37  | -0.38 | -0.07 | -0.28 | -0.44 | 0.45  | -0.52 | LINEARITY ERROR (dB) |
| 4 GHz     | INTERCEPT (mV) | 2021  | 254   | 381   | 521   | 659   | 781  | 907   | 1025  | 1161  | 1285  | 1401  | 1506  | 1642  | 1759  | 1880  | 2027  | 2149  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.0  | -18   | -16   | 0     | 12    | 9    | 11    | 4     | 15    | 14    | 5     | -15   | -4    | -11   | -16   | 6     | 3     | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.7   | -0.70 | -0.63 | -0.01 | 0.50  | 0.38 | 0.42  | 0.16  | 0.59  | 0.56  | 0.20  | -0.61 | -0.16 | -0.45 | -0.62 | 0.26  | 0.13  | LINEARITY ERROR (dB) |
| 6 GHz     | INTERCEPT (mV) | 2017  | 224   | 349   | 491   | 627   | 756  | 874   | 997   | 1132  | 1261  | 1391  | 1502  | 1638  | 1755  | 1874  | 2020  | 2145  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.5  | -11   | -13   | 1     | 10    | 12   | 2     | -1    | 5     | 8     | 10    | -6    | 3     | -8    | -16   | 3     | 1     | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.6   | -0.45 | -0.53 | 0.05  | 0.38  | 0.45 | 0.10  | -0.06 | 0.21  | 0.30  | 0.40  | -0.25 | 0.12  | -0.31 | -0.61 | 0.12  | 0.05  | LINEARITY ERROR (dB) |
| 8 GHz     | INTERCEPT (mV) | 1998  | 231   | 358   | 497   | 631   | 754  | 863   | 988   | 1121  | 1251  | 1385  | 1487  | 1623  | 1738  | 1857  | 1998  | 2133  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.1  | -10   | -11   | 5     | 13    | 12   | -5    | -6    | 1     | 6     | 14    | -8    | 2     | -9    | -15   | 0     | 10    | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.6   | -0.39 | -0.44 | 0.21  | 0.53  | 0.46 | -0.20 | -0.23 | 0.05  | 0.23  | 0.57  | -0.33 | 0.08  | -0.34 | -0.60 | 0.01  | 0.39  | LINEARITY ERROR (dB) |
| 10 GHz    | INTERCEPT (mV) | 1996  | 223   | 348   | 488   | 622   | 749  | 858   | 984   | 1114  | 1243  | 1377  | 1487  | 1624  | 1739  | 1857  | 1994  | 2129  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.2  | -9    | -10   | 4     | 12    | 12   | -4    | -5    | 0     | 2     | 11    | -5    | 6     | -5    | -13   | -2    | 7     | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.5   | -0.36 | -0.41 | 0.17  | 0.46  | 0.49 | -0.18 | -0.18 | -0.01 | 0.10  | 0.43  | -0.21 | 0.24  | -0.21 | -0.51 | -0.10 | 0.26  | LINEARITY ERROR (dB) |
| 12 GHz    | INTERCEPT (mV) | 1987  | 232   | 355   | 496   | 629   | 750  | 851   | 978   | 1105  | 1234  | 1373  | 1481  | 1617  | 1732  | 1850  | 1985  | 2127  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.0  | -6    | -7    | 9     | 17    | 13   | -11   | -10   | -7    | -3    | 10    | -6    | 5     | -5    | -12   | -2    | 16    | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.7   | -0.23 | -0.30 | 0.36  | 0.68  | 0.50 | -0.45 | -0.39 | -0.27 | -0.12 | 0.42  | -0.24 | 0.20  | -0.22 | -0.47 | -0.08 | 0.62  | LINEARITY ERROR (dB) |
| 14 GHz    | INTERCEPT (mV) | 2003  | 190   | 318   | 457   | 595   | 740  | 869   | 994   | 1128  | 1256  | 1383  | 1484  | 1620  | 1735  | 1854  | 1991  | 2129  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.6  | -22   | -22   | -11   | -1    | 16   | 17    | 15    | 20    | 21    | 19    | -7    | 1     | -12   | -21   | -12   | -2    | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.9   | -0.85 | -0.85 | -0.42 | -0.04 | 0.63 | 0.68  | 0.58  | 0.79  | 0.81  | 0.76  | -0.28 | 0.04  | -0.48 | -0.84 | -0.46 | -0.06 | LINEARITY ERROR (dB) |
| 16 GHz    | INTERCEPT (mV) | 2003  | 168   | 289   | 419   | 557   | 699  | 824   | 958   | 1082  | 1214  | 1356  | 1481  | 1621  | 1736  | 1855  | 1998  | 2137  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 26.3  | -5    | -6    | -7    | 0     | 10   | 4     | 6     | -1    | -1    | 10    | 3     | 12    | -5    | -17   | -6    | 2     | ERROR (mV)           |
|           | LIN. ERR. (dB) | 0.6   | -0.21 | -0.23 | -0.25 | -0.01 | 0.37 | 0.14  | 0.22  | -0.03 | -0.03 | 0.39  | 0.13  | 0.45  | -0.18 | -0.63 | -0.22 | 0.09  | LINEARITY ERROR (dB) |
| 18 GHz    | INTERCEPT (mV) | 1976  | 226   | 350   | 491   | 623   | 739  | 828   | 956   | 1081  | 1209  | 1340  | 1459  | 1601  | 1719  | 1843  | 1988  | 2132  | Measured Value (mV)  |
|           | SLOPE (mV/dB)  | 25.0  | 3     | 1     | 18    | 25    | 16   | -21   | -18   | -18   | -16   | -10   | -16   | 2     | -5    | -7    | 13    | 32    | ERROR (mV)           |
|           | LIN. ERR. (dB) | 1.274 | 0.12  | 0.06  | 0.72  | 0.99  | 0.63 | -0.85 | -0.71 | -0.73 | -0.62 | -0.39 | -0.60 | 0.07  | -0.21 | -0.27 | 0.51  | 1.27  | LINEARITY ERROR (dB) |

Avg. Slope: 25.3 mV/dB

1.9 1.8 2 2 1.6 1.6 1.4 1.7 1.8 1.5 1.3 1.2 1.2 1.2 1.4 0.6 Flatness dB: ±2 dB

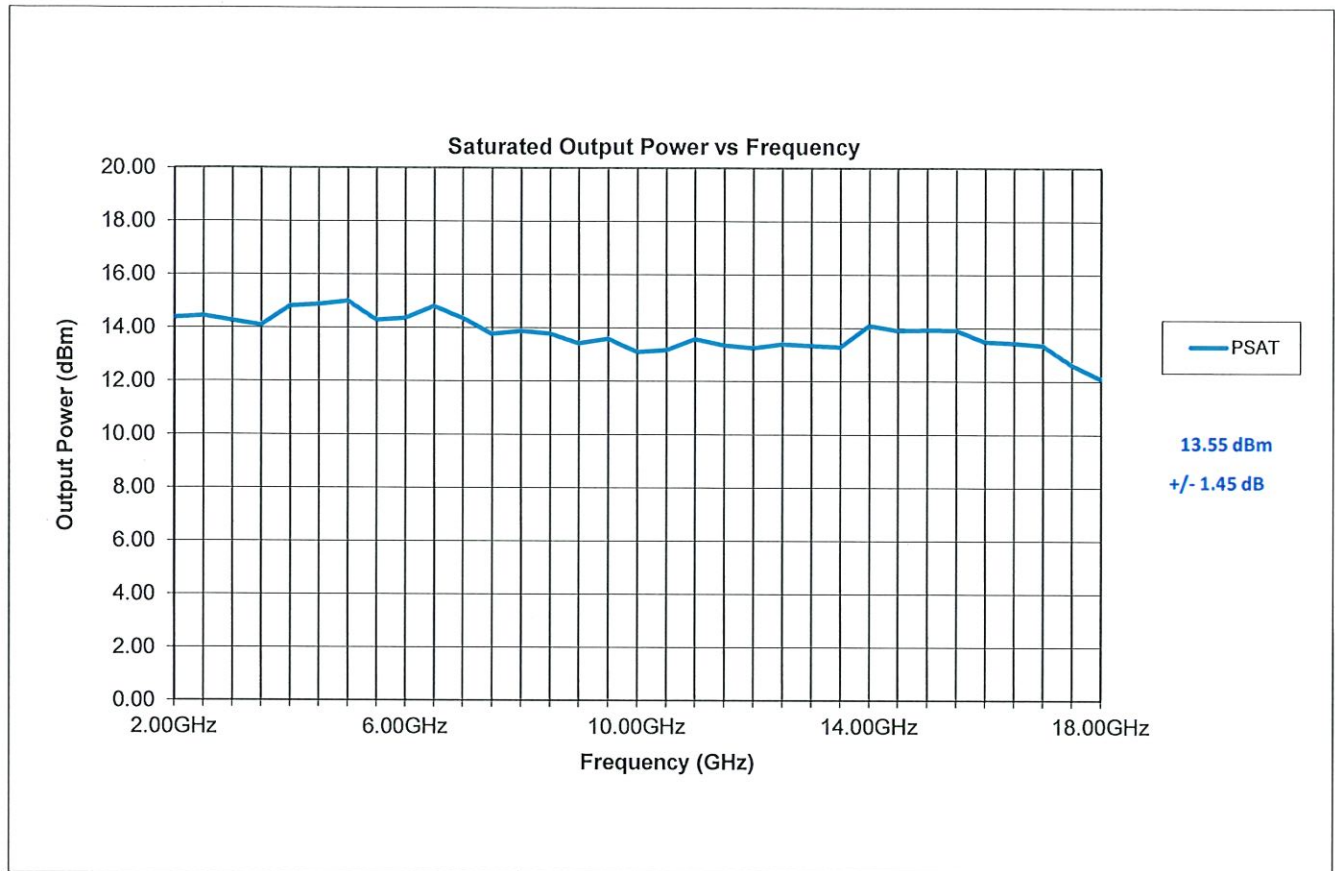




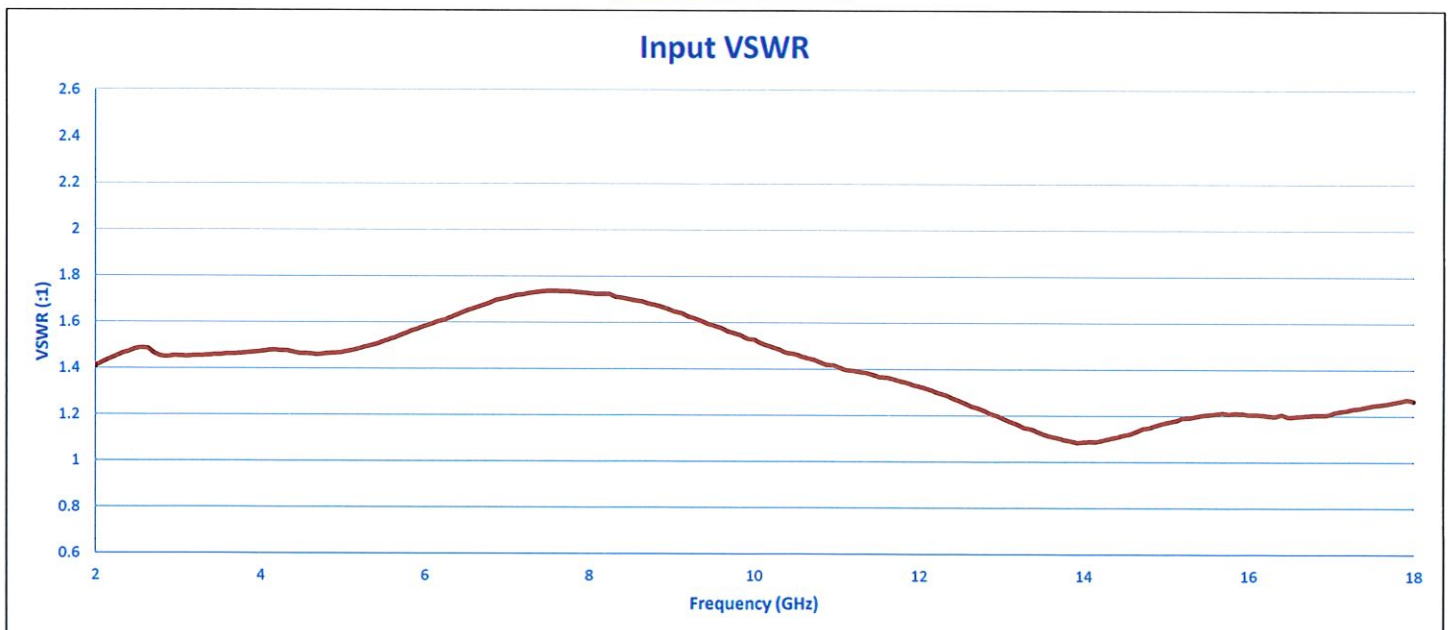
# SUMMARY TEST DATA ON SDLVA-6G18G-CD-2-OPT218

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## PSAT



## INPUT VSWR

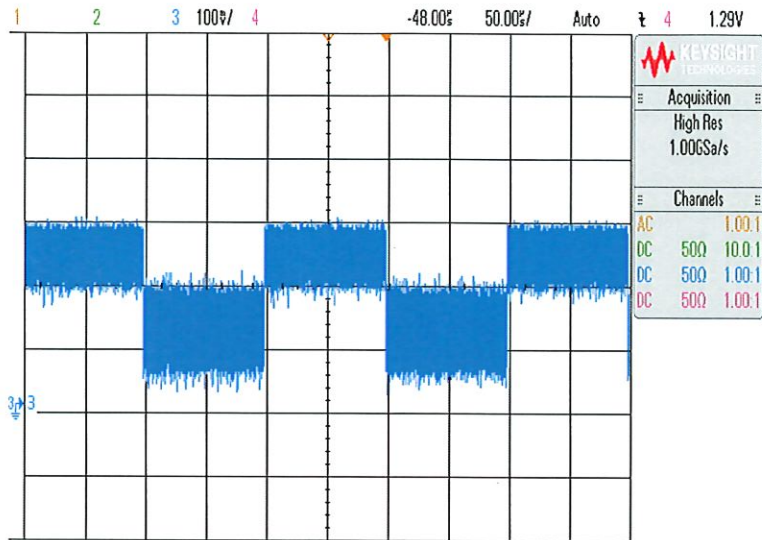




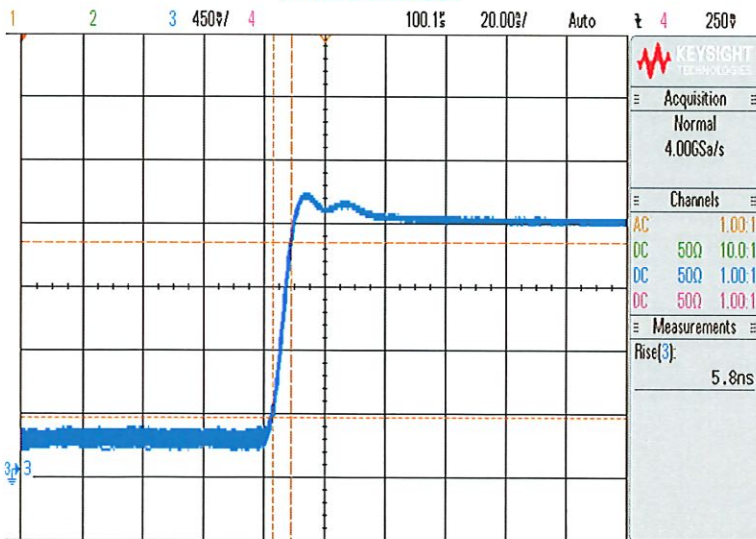
# SUMMARY TEST DATA ON SDLVA-6G18G-CD-2-OPT218

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## TSS



## Rise Time



## Fall Time

