

HIGH DOSE RADIATION TEST REPORT RH5596S-CSH

November 2022

Generic

| Radiation Test Report | |
|-----------------------|-------------------------|
| Product: | RH5596S |
| Gamma: | 0,100k |
| Gamma Source: | Co60/TM1019 Condition A |
| Dose Rate: | 91 Rad/s |
| Facilities: | VPT RAD |
| Tested: | 11/15/22 |

The RADTEST® DATA SERVICE is a compilation of radiation test results on Analog Devices' Space grade products. It is designed to assist customers in selecting the right product for applications where radiation is a consideration. Many products manufactured by Analog Devices, Inc. have been shown to be radiation tolerant to most tactical radiation environments. Analog Devices, Inc. does not make any claim to maintain or guarantee these levels of radiation tolerance without lot qualification test.

It is the responsibility of the Procuring Activity to screen products from Analog Devices, Inc. for compliance to Nuclear Hardness Critical Items (HCI) specifications.

Warning:

Analog Devices, Inc. does not recommend use of this data to qualify other product grades or process levels. Analog Devices, Inc. is not responsible and has no liability for any consequences, and all applicable Warranties are null and void if any Analog Devices product is modified in any way or used outside of normal environmental and operating conditions, including the parameters specified in the corresponding data sheet. Analog Devices, Inc. does not guarantee that wafer manufacturing is the same for all process levels.

| | SN | ICC EN_3V3_VCC_3V3 (mA) | | ICC EN_1V1_VCC_3V3 (mA) | | ICC EN_0V_VCC_3V3 (nA) | |
|-----------------------|-----------------|-------------------------|---------------|-------------------------|---------------|------------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 30.474 | 30.435 | 30.558 | 30.518 | 4.269 | 4.289 |
| Biased | 1 | 29.829 | 29.888 | 29.909 | 29.970 | 4.391 | 7.088 |
| | 2 | 29.592 | 29.663 | 29.678 | 29.741 | 5.463 | 5.463 |
| | 3 | 30.028 | 30.129 | 30.107 | 30.209 | 3.795 | 4.762 |
| | 4 | 29.900 | 29.833 | 29.973 | 29.922 | 4.205 | 7.470 |
| | 5 | 29.602 | 29.691 | 29.675 | 29.767 | 3.516 | 4.080 |
| | 6 | 30.205 | 30.246 | 30.276 | 30.317 | 5.072 | 4.015 |
| | 7 | 30.285 | 30.254 | 30.370 | 30.328 | 3.945 | 5.690 |
| | 8 | 30.207 | 30.134 | 30.286 | 30.208 | 3.552 | 5.992 |
| | 9 | 30.732 | 30.720 | 30.814 | 30.796 | 4.839 | 5.059 |
| | | 30.170 | 30.214 | 30.243 | 30.283 | 3.768 | 6.544 |
| | Min | 29.592 | 29.663 | 29.675 | 29.741 | 3.516 | 4.015 |
| | Max | 30.732 | 30.720 | 30.814 | 30.796 | 5.463 | 7.470 |
| | Mean | 30.0550 | 30.0772 | 30.1331 | 30.1541 | 4.2546 | 5.6163 |
| | Std. Dev | 0.3441 | 0.3186 | 0.3447 | 0.3162 | 0.6728 | 1.1831 |
| Mean - 3 Sigma | 29.0228 | 29.1213 | 29.0991 | 29.2056 | 2.2362 | 2.0670 | |
| Mean + 3 Sigma | 31.0872 | 31.0331 | 31.1671 | 31.1026 | 6.2730 | 9.1656 | |
| UnBiased | 11 | 29.923 | 29.801 | 29.999 | 29.875 | 4.073 | 4.363 |
| | 12 | 30.238 | 30.186 | 30.323 | 30.265 | 3.694 | 4.180 |
| | 13 | 30.353 | 30.210 | 30.433 | 30.276 | 4.494 | 4.467 |
| | 14 | 30.755 | 30.647 | 30.834 | 30.721 | 4.113 | 5.592 |
| | 15 | 30.135 | 30.101 | 30.213 | 30.176 | 4.593 | 4.149 |
| | 16 | 29.602 | 29.523 | 29.677 | 29.595 | 3.964 | 4.317 |
| | 17 | 29.880 | 29.895 | 29.951 | 29.983 | 3.708 | 5.638 |
| | 18 | 30.136 | 30.128 | 30.218 | 30.207 | 4.365 | 4.853 |
| | 19 | 29.356 | 29.284 | 29.431 | 29.356 | 4.831 | 4.155 |
| | 20 | 30.163 | 30.181 | 30.245 | 30.257 | 4.456 | 4.353 |
| | Min | 29.356 | 29.284 | 29.431 | 29.356 | 3.694 | 4.149 |
| | Max | 30.755 | 30.647 | 30.834 | 30.721 | 4.831 | 5.638 |
| | Mean | 30.0541 | 29.9956 | 30.1324 | 30.0711 | 4.2291 | 4.6067 |
| | Std. Dev | 0.3914 | 0.3869 | 0.3938 | 0.3873 | 0.3802 | 0.5694 |
| Mean - 3 Sigma | 28.8799 | 28.8349 | 28.9511 | 28.9091 | 3.0886 | 2.8985 | |
| Mean + 3 Sigma | 31.2283 | 31.1563 | 31.3137 | 31.2331 | 5.3696 | 6.3149 | |

| | SN | IIH_EN_3V3_VCC_3V3 (nA) | | Voutmax 10dBm (V) | | Vout_EN=1V1_RFOFF (mV) | |
|-----------------------|-----------------|-------------------------|--------------|-------------------|--------------|------------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 4.523 | 4.749 | 1.194 | 1.194 | 0.823 | 0.916 |
| Biased | 1 | 3.270 | 4.656 | 1.188 | 1.187 | 0.881 | 0.986 |
| | 2 | 2.799 | 3.575 | 1.188 | 1.188 | 0.845 | 0.930 |
| | 3 | 3.772 | 3.168 | 1.186 | 1.186 | 0.820 | 0.865 |
| | 4 | 3.488 | 5.210 | 1.208 | 1.207 | 0.803 | 0.931 |
| | 5 | 3.834 | 3.843 | 1.191 | 1.190 | 0.799 | 0.864 |
| | 6 | 3.671 | 2.120 | 1.181 | 1.182 | 0.830 | 0.900 |
| | 7 | 3.439 | 5.142 | 1.192 | 1.192 | 0.893 | 0.997 |
| | 8 | 2.021 | 5.352 | 1.194 | 1.193 | 0.811 | 0.847 |
| | 9 | 3.392 | 3.642 | 1.193 | 1.193 | 0.852 | 0.932 |
| | 10 | 3.973 | 2.442 | 1.189 | 1.189 | 0.797 | 0.863 |
| | Min | 2.021 | 2.120 | 1.181 | 1.182 | 0.797 | 0.847 |
| | Max | 3.973 | 5.352 | 1.208 | 1.207 | 0.893 | 0.997 |
| | Mean | 3.3659 | 3.9150 | 1.1910 | 1.1907 | 0.8331 | 0.9115 |
| | Std. Dev | 0.5779 | 1.1519 | 0.0071 | 0.0067 | 0.0340 | 0.0528 |
| Mean - 3 Sigma | 1.6321 | 0.4593 | 1.1698 | 1.1707 | 0.7310 | 0.7532 | |
| Mean + 3 Sigma | 5.0997 | 7.3707 | 1.2122 | 1.2107 | 0.9352 | 1.0698 | |
| UnBiased | 11 | 2.742 | 2.426 | 1.178 | 1.178 | 0.805 | 0.847 |
| | 12 | 4.347 | 4.756 | 1.192 | 1.192 | 0.788 | 0.899 |
| | 13 | 3.461 | 2.597 | 1.202 | 1.202 | 0.777 | 0.848 |
| | 14 | 4.533 | 3.571 | 1.194 | 1.194 | 0.795 | 0.879 |
| | 15 | 4.098 | 4.379 | 1.181 | 1.181 | 0.791 | 0.863 |
| | 16 | 3.343 | 3.320 | 1.184 | 1.183 | 0.814 | 0.913 |
| | 17 | 4.417 | 3.021 | 1.179 | 1.179 | 0.783 | 0.894 |
| | 18 | 3.810 | 3.407 | 1.185 | 1.184 | 0.801 | 0.916 |
| | 19 | 3.017 | 3.151 | 1.181 | 1.180 | 0.791 | 0.932 |
| | 20 | 3.683 | 3.753 | 1.192 | 1.191 | 0.782 | 0.934 |
| | Min | 2.742 | 2.426 | 1.178 | 1.178 | 0.777 | 0.847 |
| | Max | 4.533 | 4.756 | 1.202 | 1.202 | 0.814 | 0.934 |
| | Mean | 3.7451 | 3.4381 | 1.1868 | 1.1864 | 0.7927 | 0.8925 |
| | Std. Dev | 0.6097 | 0.7259 | 0.0078 | 0.0079 | 0.0114 | 0.0323 |
| Mean - 3 Sigma | 1.9159 | 1.2605 | 1.1633 | 1.1626 | 0.7586 | 0.7955 | |
| Mean + 3 Sigma | 5.5743 | 5.6157 | 1.2103 | 1.2102 | 0.8268 | 0.9895 | |

| | SN | LogSlope_2.14GHz | | Intercept_2.14GHz | | Lin Error 2.14GHz (dB) | |
|-----------------|-----------|------------------|--------------|-------------------|----------------|------------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 0.029 | 0.029 | -39.371 | -39.460 | 0.155 | 0.166 |
| Biased | 1 | 0.028 | 0.028 | -40.020 | -40.046 | 0.171 | 0.177 |
| | 2 | 0.028 | 0.028 | -40.333 | -40.424 | 0.176 | 0.178 |
| | 3 | 0.029 | 0.029 | -40.269 | -40.334 | 0.152 | 0.160 |
| | 4 | 0.029 | 0.029 | -39.839 | -39.979 | 0.159 | 0.169 |
| | 5 | 0.028 | 0.028 | -40.011 | -40.079 | 0.174 | 0.179 |
| | 6 | 0.028 | 0.028 | -40.426 | -40.508 | 0.162 | 0.171 |
| | 7 | 0.029 | 0.029 | -40.187 | -40.363 | 0.164 | 0.172 |
| | 8 | 0.028 | 0.028 | -39.392 | -39.531 | 0.158 | 0.156 |
| | 9 | 0.029 | 0.029 | -39.732 | -39.830 | 0.156 | 0.158 |
| | 10 | 0.029 | 0.029 | -40.026 | -40.110 | 0.168 | 0.173 |
| | Min | 0.028 | 0.028 | -40.426 | -40.508 | 0.152 | 0.156 |
| | Max | 0.029 | 0.029 | -39.392 | -39.531 | 0.176 | 0.179 |
| | Mean | 0.0285 | 0.0285 | -40.0235 | -40.1204 | 0.1640 | 0.1693 |
| | Std. Dev | 0.0005 | 0.0005 | 0.3096 | 0.2993 | 0.0080 | 0.0085 |
| Mean - 3 Sigma | 0.0269 | 0.0269 | -40.9524 | -41.0182 | 0.1399 | 0.1439 | |
| Mean + 3 Sigma | 0.0301 | 0.0301 | -39.0946 | -39.2226 | 0.1881 | 0.1947 | |
| UnBiased | 11 | 0.028 | 0.028 | -40.358 | -40.506 | 0.155 | 0.167 |
| | 12 | 0.029 | 0.029 | -39.665 | -39.836 | 0.142 | 0.150 |
| | 13 | 0.029 | 0.029 | -40.129 | -40.277 | 0.122 | 0.127 |
| | 14 | 0.029 | 0.029 | -39.561 | -39.704 | 0.144 | 0.151 |
| | 15 | 0.029 | 0.029 | -39.843 | -40.021 | 0.167 | 0.172 |
| | 16 | 0.028 | 0.028 | -40.031 | -40.171 | 0.170 | 0.177 |
| | 17 | 0.028 | 0.028 | -40.185 | -40.308 | 0.169 | 0.179 |
| | 18 | 0.029 | 0.029 | -39.898 | -40.012 | 0.163 | 0.175 |
| | 19 | 0.028 | 0.028 | -40.575 | -40.719 | 0.178 | 0.186 |
| | 20 | 0.029 | 0.029 | -39.932 | -40.050 | 0.163 | 0.169 |
| | Min | 0.028 | 0.028 | -40.575 | -40.719 | 0.122 | 0.127 |
| | Max | 0.029 | 0.029 | -39.561 | -39.704 | 0.178 | 0.186 |
| | Mean | 0.0286 | 0.0286 | -40.0177 | -40.1604 | 0.1573 | 0.1653 |
| | Std. Dev | 0.0005 | 0.0005 | 0.3077 | 0.3044 | 0.0168 | 0.0177 |
| Mean - 3 Sigma | 0.0271 | 0.0271 | -40.9408 | -41.0737 | 0.1068 | 0.1123 | |
| Mean + 3 Sigma | 0.0301 | 0.0301 | -39.0946 | -39.2471 | 0.2078 | 0.2183 | |

| | SN | LogSlope_20GHz | | Intercept_20GHz | | Lin Error 20GHz (dB) | |
|-----------------|-----------|----------------|--------------|-----------------|----------------|----------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 0.029 | 0.029 | -37.694 | -37.699 | 0.132 | 0.133 |
| Biased | 1 | 0.028 | 0.028 | -38.203 | -38.302 | 0.146 | 0.150 |
| | 2 | 0.028 | 0.028 | -38.609 | -38.717 | 0.134 | 0.137 |
| | 3 | 0.029 | 0.029 | -38.360 | -38.560 | 0.132 | 0.142 |
| | 4 | 0.029 | 0.029 | -37.951 | -38.196 | 0.153 | 0.159 |
| | 5 | 0.028 | 0.028 | -38.201 | -38.394 | 0.137 | 0.139 |
| | 6 | 0.028 | 0.028 | -38.635 | -38.835 | 0.136 | 0.141 |
| | 7 | 0.029 | 0.029 | -38.442 | -38.699 | 0.134 | 0.142 |
| | 8 | 0.028 | 0.028 | -37.676 | -37.853 | 0.139 | 0.143 |
| | 9 | 0.029 | 0.029 | -37.939 | -38.106 | 0.140 | 0.143 |
| | 10 | 0.029 | 0.029 | -38.250 | -38.352 | 0.133 | 0.139 |
| | Min | 0.028 | 0.028 | -38.635 | -38.835 | 0.132 | 0.137 |
| | Max | 0.029 | 0.029 | -37.676 | -37.853 | 0.153 | 0.159 |
| | Mean | 0.0285 | 0.0285 | -38.2266 | -38.4014 | 0.1384 | 0.1435 |
| | Std. Dev | 0.0005 | 0.0005 | 0.3057 | 0.3062 | 0.0066 | 0.0065 |
| Mean - 3 Sigma | 0.0269 | 0.0269 | -39.1436 | -39.3200 | 0.1186 | 0.1241 | |
| Mean + 3 Sigma | 0.0301 | 0.0301 | -37.3096 | -37.4828 | 0.1582 | 0.1629 | |
| UnBiased | 11 | 0.028 | 0.028 | -38.493 | -38.671 | 0.124 | 0.134 |
| | 12 | 0.029 | 0.029 | -37.895 | -38.132 | 0.117 | 0.123 |
| | 13 | 0.029 | 0.029 | -38.377 | -38.490 | 0.156 | 0.158 |
| | 14 | 0.029 | 0.029 | -37.776 | -37.995 | 0.106 | 0.113 |
| | 15 | 0.029 | 0.029 | -38.012 | -38.384 | 0.139 | 0.148 |
| | 16 | 0.028 | 0.028 | -38.188 | -38.501 | 0.140 | 0.149 |
| | 17 | 0.028 | 0.028 | -38.398 | -38.616 | 0.148 | 0.150 |
| | 18 | 0.029 | 0.029 | -38.087 | -38.286 | 0.133 | 0.135 |
| | 19 | 0.028 | 0.028 | -38.794 | -39.029 | 0.133 | 0.139 |
| | 20 | 0.029 | 0.029 | -38.187 | -38.361 | 0.139 | 0.150 |
| | Min | 0.028 | 0.028 | -38.794 | -39.029 | 0.106 | 0.113 |
| | Max | 0.029 | 0.029 | -37.776 | -37.995 | 0.156 | 0.158 |
| | Mean | 0.0286 | 0.0286 | -38.2207 | -38.4465 | 0.1335 | 0.1399 |
| | Std. Dev | 0.0005 | 0.0005 | 0.3030 | 0.2912 | 0.0147 | 0.0139 |
| Mean - 3 Sigma | 0.0271 | 0.0271 | -39.1296 | -39.3200 | 0.0895 | 0.0981 | |
| Mean + 3 Sigma | 0.0301 | 0.0301 | -37.3118 | -37.5730 | 0.1775 | 0.1817 | |

| | SN | LogSlope_18GHz | | Intercept_18GHz | | Lin Error 18GHz (dB) | |
|-----------------|-----------|----------------|--------------|-----------------|----------------|----------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 0.029 | 0.029 | -38.661 | -38.463 | 0.167 | 0.164 |
| Biased | 1 | 0.028 | 0.028 | -39.219 | -38.786 | 0.163 | 0.141 |
| | 2 | 0.028 | 0.028 | -39.585 | -39.223 | 0.181 | 0.157 |
| | 3 | 0.029 | 0.029 | -39.365 | -39.051 | 0.134 | 0.115 |
| | 4 | 0.029 | 0.029 | -38.971 | -38.696 | 0.147 | 0.128 |
| | 5 | 0.029 | 0.029 | -39.196 | -38.858 | 0.175 | 0.156 |
| | 6 | 0.029 | 0.029 | -39.646 | -39.304 | 0.150 | 0.128 |
| | 7 | 0.029 | 0.029 | -39.443 | -39.153 | 0.170 | 0.146 |
| | 8 | 0.029 | 0.028 | -38.657 | -38.313 | 0.172 | 0.150 |
| | 9 | 0.029 | 0.029 | -38.938 | -38.550 | 0.166 | 0.146 |
| | 10 | 0.029 | 0.029 | -39.254 | -38.797 | 0.172 | 0.142 |
| | Min | 0.028 | 0.028 | -39.646 | -39.304 | 0.134 | 0.115 |
| | Max | 0.029 | 0.029 | -38.657 | -38.313 | 0.181 | 0.157 |
| | Mean | 0.0288 | 0.0287 | -39.2274 | -38.8731 | 0.1630 | 0.1409 |
| | Std. Dev | 0.0004 | 0.0005 | 0.3064 | 0.3129 | 0.0147 | 0.0134 |
| Mean - 3 Sigma | 0.0275 | 0.0273 | -40.1467 | -39.8118 | 0.1188 | 0.1006 | |
| Mean + 3 Sigma | 0.0301 | 0.0301 | -38.3081 | -37.9344 | 0.2072 | 0.1812 | |
| UnBiased | 11 | 0.029 | 0.028 | -39.495 | -39.112 | 0.132 | 0.110 |
| | 12 | 0.029 | 0.029 | -38.857 | -38.544 | 0.146 | 0.124 |
| | 13 | 0.030 | 0.029 | -39.357 | -38.896 | 0.098 | 0.094 |
| | 14 | 0.029 | 0.029 | -38.730 | -38.412 | 0.144 | 0.121 |
| | 15 | 0.029 | 0.029 | -39.000 | -38.812 | 0.191 | 0.176 |
| | 16 | 0.028 | 0.028 | -39.198 | -38.957 | 0.161 | 0.146 |
| | 17 | 0.029 | 0.029 | -39.429 | -39.090 | 0.157 | 0.134 |
| | 18 | 0.029 | 0.029 | -39.088 | -38.719 | 0.157 | 0.130 |
| | 19 | 0.028 | 0.028 | -39.799 | -39.510 | 0.161 | 0.133 |
| | 20 | 0.029 | 0.029 | -39.182 | -38.837 | 0.162 | 0.140 |
| | Min | 0.028 | 0.028 | -39.799 | -39.510 | 0.098 | 0.094 |
| | Max | 0.030 | 0.029 | -38.730 | -38.412 | 0.191 | 0.176 |
| | Mean | 0.0289 | 0.0287 | -39.2135 | -38.8889 | 0.1509 | 0.1308 |
| | Std. Dev | 0.0006 | 0.0005 | 0.3184 | 0.3099 | 0.0241 | 0.0219 |
| Mean - 3 Sigma | 0.0272 | 0.0273 | -40.1688 | -39.8187 | 0.0785 | 0.0652 | |
| Mean + 3 Sigma | 0.0306 | 0.0301 | -38.2582 | -37.9591 | 0.2233 | 0.1964 | |

| | SN | LogSlope_8GHz | | Intercept_8GHz | | Lin Error 8GHz (dB) | |
|-----------------|-----------|---------------|--------------|----------------|----------------|---------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 0.029 | 0.029 | -38.973 | -39.013 | 0.169 | 0.168 |
| Biased | 1 | 0.028 | 0.028 | -39.582 | -39.561 | 0.168 | 0.162 |
| | 2 | 0.028 | 0.028 | -39.856 | -39.893 | 0.181 | 0.170 |
| | 3 | 0.029 | 0.029 | -39.378 | -39.850 | 0.124 | 0.144 |
| | 4 | 0.029 | 0.029 | -39.368 | -39.454 | 0.150 | 0.151 |
| | 5 | 0.029 | 0.029 | -39.548 | -39.546 | 0.181 | 0.173 |
| | 6 | 0.029 | 0.028 | -39.994 | -40.020 | 0.158 | 0.155 |
| | 7 | 0.029 | 0.029 | -39.734 | -39.855 | 0.171 | 0.163 |
| | 8 | 0.029 | 0.028 | -38.971 | -39.046 | 0.173 | 0.160 |
| | 9 | 0.029 | 0.029 | -39.315 | -39.371 | 0.168 | 0.157 |
| | 10 | 0.029 | 0.029 | -39.578 | -39.636 | 0.175 | 0.165 |
| | Min | 0.028 | 0.028 | -39.994 | -40.020 | 0.124 | 0.144 |
| | Max | 0.029 | 0.029 | -38.971 | -39.046 | 0.181 | 0.173 |
| | Mean | 0.029 | 0.029 | -39.532 | -39.623 | 0.165 | 0.160 |
| | Std. Dev | 0.000 | 0.001 | 0.294 | 0.293 | 0.017 | 0.009 |
| Mean - 3 Sigma | 0.028 | 0.027 | -40.414 | -40.501 | 0.113 | 0.134 | |
| Mean + 3 Sigma | 0.030 | 0.030 | -38.651 | -38.745 | 0.217 | 0.186 | |
| UnBiased | 11 | 0.029 | 0.028 | -39.936 | -40.049 | 0.154 | 0.152 |
| | 12 | 0.029 | 0.029 | -39.286 | -39.429 | 0.158 | 0.149 |
| | 13 | 0.030 | 0.029 | -39.624 | -39.731 | 0.095 | 0.108 |
| | 14 | 0.029 | 0.029 | -39.146 | -39.260 | 0.156 | 0.149 |
| | 15 | 0.029 | 0.029 | -39.404 | -39.524 | 0.191 | 0.177 |
| | 16 | 0.028 | 0.028 | -39.595 | -39.693 | 0.167 | 0.163 |
| | 17 | 0.029 | 0.029 | -39.722 | -39.814 | 0.167 | 0.162 |
| | 18 | 0.029 | 0.029 | -39.448 | -39.550 | 0.168 | 0.163 |
| | 19 | 0.028 | 0.028 | -40.113 | -40.239 | 0.175 | 0.171 |
| | 20 | 0.029 | 0.029 | -39.492 | -39.574 | 0.162 | 0.158 |
| | Min | 0.0280 | 0.0280 | -40.1130 | -40.2390 | 0.0950 | 0.1080 |
| | Max | 0.0300 | 0.0290 | -39.1460 | -39.2600 | 0.1910 | 0.1770 |
| | Mean | 0.0289 | 0.0287 | -39.5766 | -39.6863 | 0.1593 | 0.1552 |
| | Std. Dev | 0.0006 | 0.0005 | 0.2914 | 0.2908 | 0.0250 | 0.0189 |
| Mean - 3 Sigma | 0.0272 | 0.0273 | -40.4507 | -40.5586 | 0.0843 | 0.0985 | |
| Mean + 3 Sigma | 0.0306 | 0.0301 | -38.7025 | -38.8140 | 0.2343 | 0.2119 | |

| | SN | LogSlope_100MHz | | Intercept_100MHz | | Lin Error 100MHz (dB) | |
|-----------------------|-----------------------|-----------------|--------------|------------------|----------------|-----------------------|--------------|
| | | PRE | POST | PRE | POST | PRE | POST |
| CTRL | 39 | 0.029 | 0.029 | -37.453 | -37.594 | 0.099 | 0.097 |
| Biased | 1 | 0.028 | 0.028 | -38.487 | -38.559 | 0.132 | 0.136 |
| | 2 | 0.028 | 0.028 | -38.808 | -38.947 | 0.108 | 0.109 |
| | 3 | 0.029 | 0.029 | -38.609 | -38.755 | 0.126 | 0.131 |
| | 4 | 0.029 | 0.028 | -38.342 | -38.483 | 0.137 | 0.149 |
| | 5 | 0.028 | 0.028 | -38.446 | -38.600 | 0.116 | 0.110 |
| | 6 | 0.028 | 0.028 | -38.904 | -39.026 | 0.128 | 0.131 |
| | 7 | 0.029 | 0.029 | -38.635 | -38.847 | 0.110 | 0.112 |
| | 8 | 0.028 | 0.028 | -37.645 | -37.835 | 0.102 | 0.102 |
| | 9 | 0.029 | 0.029 | -37.950 | -38.147 | 0.118 | 0.110 |
| | 10 | 0.029 | 0.029 | -38.513 | -38.633 | 0.108 | 0.114 |
| | Min | 0.028 | 0.028 | -38.904 | -39.026 | 0.102 | 0.102 |
| | Max | 0.029 | 0.029 | -37.645 | -37.835 | 0.137 | 0.149 |
| | Mean | 0.029 | 0.028 | -38.434 | -38.583 | 0.119 | 0.120 |
| | Std. Dev | 0.001 | 0.001 | 0.381 | 0.364 | 0.012 | 0.015 |
| | Mean - 3 Sigma | 0.027 | 0.027 | -39.577 | -39.675 | 0.083 | 0.075 |
| Mean + 3 Sigma | 0.030 | 0.030 | -37.291 | -37.492 | 0.154 | 0.166 | |
| UnBiased | 11 | 0.028 | 0.028 | -38.862 | -39.007 | 0.115 | 0.125 |
| | 12 | 0.029 | 0.029 | -37.865 | -38.101 | 0.091 | 0.094 |
| | 13 | 0.029 | 0.029 | -38.365 | -38.573 | 0.182 | 0.188 |
| | 14 | 0.029 | 0.028 | -37.729 | -37.889 | 0.081 | 0.090 |
| | 15 | 0.029 | 0.028 | -38.269 | -38.474 | 0.093 | 0.095 |
| | 16 | 0.028 | 0.028 | -38.552 | -38.742 | 0.122 | 0.124 |
| | 17 | 0.028 | 0.028 | -38.707 | -38.857 | 0.132 | 0.139 |
| | 18 | 0.028 | 0.028 | -38.351 | -38.491 | 0.113 | 0.123 |
| | 19 | 0.028 | 0.028 | -39.182 | -39.363 | 0.112 | 0.116 |
| | 20 | 0.029 | 0.029 | -38.208 | -38.369 | 0.124 | 0.128 |
| | Min | 0.028 | 0.028 | -39.182 | -39.363 | 0.081 | 0.090 |
| | Max | 0.029 | 0.029 | -37.729 | -37.889 | 0.182 | 0.188 |
| | Mean | 0.029 | 0.028 | -38.409 | -38.587 | 0.117 | 0.122 |
| | Std. Dev | 0.001 | 0.000 | 0.439 | 0.431 | 0.028 | 0.028 |
| | Mean - 3 Sigma | 0.027 | 0.027 | -39.726 | -39.878 | 0.032 | 0.037 |
| Mean + 3 Sigma | 0.030 | 0.030 | -37.092 | -37.295 | 0.201 | 0.207 | |











