

RADIATION TEST REPORT

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|---------------|--------------------------------------|
| PRODUCT: | ADF4108L703F |
| GAMMA: | 50k, 24Hr/ TM1019 Condition A |
| GAMMA SOURCE: | Co60 |
| DOSE RATE: | 96 Rad(si)/s |
| FACILITIES: | University of Massachusetts @ Lowell |
| TESTED: | 4/25/13 |

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Note:

REFreq, REFVl, RFfreq, and Fpresc tests are verified by measuring Mux Output Frequency with the internal divider set to output 200kHz. Tests 1-6, VIL, and VIH are input conditions verified in other tests performed.

The Power Down tests reference Notes 4A, 4B, 4C, and 4D refer to the power down current test conditions as described in Table 1, Note 4 in the ASD.

| Wafer | SN | Idd Vdd=3.6V 5GHz | | | Icp Vcp=5.5V 5GHz | | | Idd Vdd=3.8V 5GHz | | |
|-------|----------------|-------------------|---------|---------|-------------------|--------|--------|-------------------|----------|-------------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 10.8125 | 10.9161 | 10.9694 | 0.3463 | 0.3369 | 0.3369 | 11.13557 | 11.22972 | 11.27366 |
| 1 | 13 | 10.8219 | 10.7654 | 10.7968 | 0.3554 | 0.3815 | 0.3686 | 11.12615 | 11.06966 | 11.10105 |
| 1 | 14 | 10.3072 | 10.2633 | 10.2790 | 0.3557 | 0.3758 | 0.3633 | 10.57064 | 10.57378 | 10.57378 |
| 1 | 15 | 10.5049 | 10.4924 | 10.4892 | 0.3498 | 0.3736 | 0.3582 | 10.82486 | 10.78092 | 10.79034 |
| 1 | 16 | 10.6116 | 10.5740 | 10.6179 | 0.3501 | 0.3746 | 0.3589 | 10.9096 | 10.88763 | 10.92843 |
| 5 | 56 | 10.6430 | 10.6776 | 10.7403 | 0.3466 | 0.3658 | 0.3538 | 10.95981 | 10.97237 | 11.01631 |
| 5 | 57 | 10.7811 | 10.7435 | 10.8313 | 0.3444 | 0.3711 | 0.3554 | 11.06025 | 11.01945 | 11.11988 |
| 5 | 58 | 10.7497 | 10.7246 | 10.7529 | 0.3482 | 0.3818 | 0.3673 | 11.06338 | 11.03514 | 11.04769 |
| 5 | 59 | 10.6870 | 10.6838 | 10.6713 | 0.3375 | 0.3670 | 0.3532 | 11.00689 | 10.98178 | 10.97865 |
| | Min | 10.3072 | 10.2633 | 10.2790 | 0.3375 | 0.3658 | 0.3532 | 10.57064 | 10.57378 | 10.57378 |
| | Max | 10.8219 | 10.7654 | 10.8313 | 0.3557 | 0.3818 | 0.3686 | 11.12615 | 11.06966 | 11.11988 |
| | Mean | 10.6383 | 10.6156 | 10.6473 | 0.3485 | 0.3739 | 0.3598 | 10.94020 | 10.91509 | 10.94451625 |
| | Std. Dev | 0.1678 | 0.1691 | 0.1844 | 0.0059 | 0.0059 | 0.0059 | 0.17720 | 0.16569 | 0.182715231 |
| | Mean - 3 Sigma | 10.1350 | 10.1082 | 10.0940 | 0.3307 | 0.3561 | 0.3420 | 10.40859 | 10.41802 | 10.39637056 |
| | Mean + 3 Sigma | 11.1416 | 11.1229 | 11.2006 | 0.3662 | 0.3916 | 0.3777 | 11.47181 | 11.41216 | 11.49266194 |

| Wafer | SN | Icp Vcp=5.7V 5GHz | | | Initial Power Down - Idis | | | Initial Power Down - Icp | | |
|-------|----------------|-------------------|--------|--------|---------------------------|---------|---------|--------------------------|----------|------------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.3431 | 0.3383 | 0.3378 | 0.2279 | 0.2147 | 0.2449 | -0.00077762 | -0.00455 | -0.00329 |
| 1 | 13 | 0.3535 | 0.3773 | 0.3698 | 0.2405 | 0.35143 | 0.27377 | -0.00329 | 11.06201 | 3.61111 |
| 1 | 14 | 0.3598 | 0.3723 | 0.3670 | 0.1971 | 0.28163 | 0.22378 | -0.00392 | 6.38773 | 1.74429 |
| 1 | 15 | 0.3507 | 0.3736 | 0.3638 | 0.2386 | 0.27377 | 0.21970 | -0.00518 | 7.87924 | 2.74093 |
| 1 | 16 | 0.3547 | 0.3723 | 0.3635 | 0.2304 | 0.29515 | 0.24328 | 0.00174 | 9.19771 | 2.97782 |
| 5 | 56 | 0.3478 | 0.3695 | 0.3535 | 0.2250 | 0.36024 | 0.27660 | -0.00109 | 10.89181 | 3.60764 |
| 5 | 57 | 0.3494 | 0.3767 | 0.3595 | 0.2197 | 0.36464 | 0.27629 | 0.00457 | 10.08928 | 3.12757 |
| 5 | 58 | 0.3504 | 0.3902 | 0.3689 | 0.2147 | 0.37501 | 0.27472 | 0.0052 | 12.80204 | 4.51117 |
| 5 | 59 | 0.3475 | 0.3751 | 0.3601 | 0.2357 | 0.34420 | 0.23416 | -0.00172 | 11.47476 | 3.71901 |
| | Min | 0.3475 | 0.3695 | 0.3535 | 0.1971 | 0.27377 | 0.21970 | -0.00518 | 6.38773 | 1.74429 |
| | Max | 0.3598 | 0.3902 | 0.3698 | 0.2405 | 0.37501 | 0.27660 | 0.00520 | 12.80204 | 4.51117 |
| | Mean | 0.3517 | 0.3759 | 0.3633 | 0.2252 | 0.33076 | 0.25279 | -0.00046 | 9.97307 | 3.2549425 |
| | Std. Dev | 0.0041 | 0.0063 | 0.0055 | 0.0145 | 0.04055 | 0.02511 | 0.00390 | 2.07507 | 0.81801305 |
| | Mean - 3 Sigma | 0.3394 | 0.3569 | 0.3469 | 0.1816 | 0.20910 | 0.17745 | -0.01216 | 3.74785 | 0.80090335 |
| | Mean + 3 Sigma | 0.3640 | 0.3949 | 0.3796 | 0.2688 | 0.45242 | 0.32812 | 0.01124 | 16.19829 | 5.70898165 |

| Wafer | SN | Idd Power Down (Note 4 A) | | | Icp Power Down (Note 4 A) | | | Idd Power Down (Note 4 B) | | |
|-------|----------------|---------------------------|---------|---------|---------------------------|----------|---------|---------------------------|---------|---------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.20681 | 0.21089 | 0.23856 | -0.00550 | 0.00017 | 0.00048 | 0.20177 | 0.20366 | 0.23699 |
| 1 | 13 | 0.23479 | 0.32565 | 0.26686 | -0.00015 | 11.04062 | 3.60607 | 0.21718 | 0.31528 | 0.24925 |
| 1 | 14 | 0.20586 | 0.26277 | 0.21309 | -0.00235 | 6.35690 | 1.74586 | 0.21687 | 0.25302 | 0.20963 |
| 1 | 15 | 0.24139 | 0.27723 | 0.22693 | 0.00017 | 7.87703 | 2.73212 | 0.22190 | 0.27409 | 0.23416 |
| 1 | 16 | 0.23950 | 0.28415 | 0.23416 | -0.00235 | 9.16216 | 2.96587 | 0.22819 | 0.27252 | 0.21467 |
| 5 | 56 | 0.20712 | 0.33823 | 0.27660 | 0.00205 | 10.86885 | 3.58783 | 0.20995 | 0.32880 | 0.26246 |
| 5 | 57 | 0.22881 | 0.32943 | 0.26874 | 0.00017 | 10.07858 | 3.12317 | 0.23888 | 0.32471 | 0.25177 |
| 5 | 58 | 0.21781 | 0.35426 | 0.26434 | -0.00329 | 12.78034 | 4.50110 | 0.22944 | 0.34263 | 0.25019 |
| 5 | 59 | 0.23856 | 0.34169 | 0.23793 | 0.00142 | 11.46501 | 3.71020 | 0.22944 | 0.33791 | 0.24674 |
| | Min | 0.20586 | 0.26277 | 0.21309 | -0.00329 | 6.35690 | 1.74586 | 0.20995 | 0.25302 | 0.20963 |
| | Max | 0.24139 | 0.35426 | 0.27660 | 0.00205 | 12.78034 | 4.50110 | 0.23888 | 0.34263 | 0.26246 |
| | Mean | 0.22673 | 0.31418 | 0.24858 | -0.00054 | 9.95369 | 3.24653 | 0.22398 | 0.30612 | 0.23986 |
| | Std. Dev | 0.01457 | 0.03426 | 0.02337 | 0.00192 | 2.07655 | 0.81463 | 0.00924 | 0.03436 | 0.01881 |
| | Mean - 3 Sigma | 0.18301 | 0.21140 | 0.17847 | -0.00630 | 3.72403 | 0.80265 | 0.19627 | 0.20305 | 0.18344 |
| | Mean + 3 Sigma | 0.27045 | 0.41695 | 0.31870 | 0.00522 | 16.18335 | 5.69040 | 0.25169 | 0.40919 | 0.29628 |

| Wafer | SN | Icp Power Down (Note 4 B) | | | Idd Power Down (Note 4 C) | | | Idd Power Down (Note 4 C) | | |
|-------|----------------|---------------------------|----------|----------|---------------------------|---------|---------|---------------------------|----------|---------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.00017 | 0.00048 | -0.00015 | 0.20932 | 0.19612 | 0.23510 | 0.00394 | 0.00394 | 0.00111 |
| 1 | 13 | -0.00015 | 11.04848 | 3.60953 | 0.20115 | 0.32251 | 0.23762 | 0.00205 | 11.04848 | 3.59758 |
| 1 | 14 | 0.00142 | 6.35376 | 1.74618 | 0.22787 | 0.23573 | 0.22724 | 0.00017 | 6.34275 | 1.73139 |
| 1 | 15 | 0.00111 | 7.86854 | 2.73370 | 0.20963 | 0.25931 | 0.24988 | 0.00017 | 7.86193 | 2.72457 |
| 1 | 16 | -0.00172 | 9.17097 | 2.96461 | 0.21844 | 0.27692 | 0.22567 | 0.00017 | 9.18293 | 2.95769 |
| 5 | 56 | 0.00142 | 10.87011 | 3.58688 | 0.22253 | 0.33068 | 0.25051 | 0.00174 | 10.87420 | 3.58436 |
| 5 | 57 | 0.00111 | 10.06128 | 3.11341 | 0.23322 | 0.30773 | 0.23636 | -0.00015 | 10.07166 | 3.11593 |
| 5 | 58 | -0.00015 | 12.77813 | 4.49827 | 0.23919 | 0.33446 | 0.24768 | -0.00078 | 12.78946 | 4.49764 |
| 5 | 59 | 0.00048 | 11.45903 | 3.69416 | 0.21341 | 0.32031 | 0.26403 | 0.00457 | 11.44078 | 3.70234 |
| | Min | -0.00172 | 6.35376 | 1.74618 | 0.20115 | 0.23573 | 0.22567 | -0.00078 | 6.34275 | 1.73139 |
| | Max | 0.00142 | 12.77813 | 4.49827 | 0.23919 | 0.33446 | 0.26403 | 0.00457 | 12.78946 | 4.49764 |
| | Mean | 0.00044 | 9.95129 | 3.24334 | 0.22068 | 0.29846 | 0.24237 | 0.00099 | 9.95152 | 3.23894 |
| | Std. Dev | 0.00108 | 2.07755 | 0.81293 | 0.01263 | 0.03666 | 0.01302 | 0.00173 | 2.08125 | 0.81753 |
| | Mean - 3 Sigma | -0.00280 | 3.71864 | 0.80455 | 0.18279 | 0.18848 | 0.20332 | -0.00420 | 3.70777 | 0.78634 |
| | Mean + 3 Sigma | 0.00368 | 16.18393 | 5.68214 | 0.25857 | 0.40844 | 0.28143 | 0.00618 | 16.19528 | 5.69154 |

| | | Refin Input High Leakage Current | | | uA | Muxout Output High Leakage Current | | | uA | Refin Input Low Leakage Current | | | uA |
|-------|----------------|----------------------------------|---------|---------|---------|------------------------------------|---------|-----------|-----------|---------------------------------|-----|-----|------|
| Wafer | SN | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 30.7186 | 30.6820 | 30.6788 | 0.0009 | -0.0074 | -0.0077 | -31.37999 | -31.40897 | -31.42616 | | | |
| 1 | 13 | 30.5323 | 30.4237 | 30.4508 | 0.0042 | 0.0003 | 0.0026 | -31.21441 | -31.14913 | -31.17397 | | | |
| 1 | 14 | 30.4011 | 30.3445 | 30.3505 | 0.0013 | 0.0022 | 0.0019 | -31.06061 | -31.02718 | -31.0259 | | | |
| 1 | 15 | 31.2192 | 31.2093 | 31.2163 | 0.0019 | 0.0026 | 0.0019 | -31.99455 | -31.9748 | -31.95984 | | | |
| 1 | 16 | 30.3890 | 30.3266 | 30.3527 | 0.0022 | 0.0013 | 0.0022 | -31.04342 | -31.00616 | -31.02113 | | | |
| 5 | 56 | 30.7393 | 30.7097 | 30.7243 | 0.0026 | -0.0007 | 0.0013 | -31.41311 | -31.39559 | -31.40833 | | | |
| 5 | 57 | 30.5059 | 30.4683 | 30.4744 | 0.0029 | 0.0013 | 0.0009 | -31.15359 | -31.12366 | -31.14404 | | | |
| 5 | 58 | 30.5072 | 30.4378 | 30.4597 | 0.0016 | 0.0000 | 0.0026 | -31.14435 | -31.11761 | -31.12525 | | | |
| 5 | 59 | 30.5546 | 30.5059 | 30.5027 | 0.0029 | 0.0016 | -0.0007 | -31.17874 | -31.18066 | -31.18097 | | | |
| | Min | 30.3890 | 30.3266 | 30.3505 | 0.0013 | -0.0007 | -0.0007 | -31.99455 | -31.97480 | -31.95984 | | | |
| | Max | 31.2192 | 31.2093 | 31.2163 | 0.0042 | 0.0026 | 0.0026 | -31.04342 | -31.00616 | -31.02113 | | | |
| | Mean | 30.6061 | 30.5532 | 30.5664 | 0.0024 | 0.0011 | 0.0016 | -31.27535 | -31.24685 | -31.2549 | | | |
| | Std. Dev | 0.2701 | 0.2902 | 0.2871 | 0.0009 | 0.0011 | 0.0011 | 0.31194 | 0.31714 | 0.3091 | | | |
| | Mean - 3 Sigma | 29.7958 | 29.6827 | 29.7052 | -0.0003 | -0.0023 | -0.0016 | -32.21118 | -32.19826 | -32.1821 | | | |
| | Mean + 3 Sigma | 31.4163 | 31.4237 | 31.4276 | 0.0051 | 0.0044 | 0.0048 | -30.33951 | -30.29544 | -30.3277 | | | |

| | | Muxout Output Low Leakage Current | | | uA | Muxout Voh | | | V | Muxout Vol | | | V |
|-------|----------------|-----------------------------------|---------|---------|--------|------------|--------|-------------|-------------|-------------|-----|-----|------|
| Wafer | SN | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | -0.0001 | -0.0088 | -0.0107 | 3.2971 | 3.2921 | 3.2888 | -0.00076272 | -0.00066603 | -0.00069356 | | | |
| 1 | 13 | 0.0005 | -0.0001 | -0.0011 | 3.2965 | 3.2953 | 3.2953 | -0.000819 | -0.00072302 | -0.00080883 | | | |
| 1 | 14 | 0.0018 | -0.0001 | 0.0021 | 3.2953 | 3.2966 | 3.2959 | -0.000721 | -0.00064489 | -0.00054692 | | | |
| 1 | 15 | -0.0014 | 0.0011 | 0.0008 | 3.2967 | 3.2965 | 3.2968 | -0.00102 | -0.00087222 | -0.00094842 | | | |
| 1 | 16 | 0.0011 | 0.0008 | 0.0011 | 3.2954 | 3.2956 | 3.3019 | -0.000743 | -0.00067563 | -0.00067371 | | | |
| 5 | 56 | 0.0018 | 0.0008 | 0.0018 | 3.2957 | 3.2953 | 3.2954 | -0.000829 | -0.00063337 | -0.00070189 | | | |
| 5 | 57 | 0.0005 | 0.0005 | 0.0008 | 3.2951 | 3.2950 | 3.2947 | -0.000777 | -0.00057061 | -0.00065834 | | | |
| 5 | 58 | 0.0021 | -0.0001 | 0.0015 | 3.2918 | 3.2917 | 3.2993 | -0.000746 | -0.00056101 | -0.00053091 | | | |
| 5 | 59 | 0.0005 | 0.0002 | 0.0002 | 3.2951 | 3.2949 | 3.2955 | -0.000764 | -0.00064809 | -0.00061159 | | | |
| | Min | -0.0014 | -0.0001 | -0.0011 | 3.2918 | 3.2917 | 3.2947 | -0.001020 | -0.000872 | -0.000948 | | | |
| | Max | 0.0021 | 0.0011 | 0.0021 | 3.2967 | 3.2966 | 3.3019 | -0.000721 | -0.000561 | -0.000531 | | | |
| | Mean | 0.0009 | 0.0004 | 0.0009 | 3.2952 | 3.2951 | 3.2968 | -0.000802 | -0.000666 | -0.000685 | | | |
| | Std. Dev | 0.0011 | 0.0005 | 0.0010 | 0.0015 | 0.0015 | 0.0025 | 0.000095 | 0.000098 | 0.000138 | | | |
| | Mean - 3 Sigma | -0.0025 | -0.0012 | -0.0021 | 3.2907 | 3.2906 | 3.2894 | -0.001089 | -0.000961 | -0.001100 | | | |
| | Mean + 3 Sigma | 0.0042 | 0.0019 | 0.0039 | 3.2997 | 3.2997 | 3.3043 | -0.000516 | -0.000371 | -0.000270 | | | |

| | | CE Input High Current | | | uA | CE Input Low Current | | | uA | LE Input High Current | | | uA |
|-------|----------------|-----------------------|--------|--------|--------|----------------------|--------|---------|---------|-----------------------|-----|-----|------|
| Wafer | SN | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.0121 | 0.0166 | 0.0166 | 0.0087 | 0.0166 | 0.0155 | 0.01936 | 0.01823 | 0.01936 | | | |
| 1 | 13 | 0.0132 | 0.0087 | 0.0177 | 0.0178 | 0.0189 | 0.0178 | 0.01823 | 0.01936 | 0.01936 | | | |
| 1 | 14 | 0.0155 | 0.0121 | 0.0155 | 0.0166 | 0.0155 | 0.0166 | 0.01823 | 0.01936 | 0.02049 | | | |
| 1 | 15 | 0.0177 | 0.0166 | 0.0155 | 0.0155 | 0.0178 | 0.0133 | 0.01823 | 0.01597 | 0.01936 | | | |
| 1 | 16 | 0.0109 | 0.0188 | 0.0188 | 0.0166 | 0.0166 | 0.0166 | 0.01823 | 0.02163 | 0.01597 | | | |
| 5 | 56 | 0.0166 | 0.0177 | 0.0177 | 0.0200 | 0.0189 | 0.0189 | 0.01823 | 0.01823 | 0.01936 | | | |
| 5 | 57 | 0.0188 | 0.0211 | 0.0166 | 0.0166 | 0.0155 | 0.0178 | 0.02049 | 0.02049 | 0.01823 | | | |
| 5 | 58 | 0.0155 | 0.0109 | 0.0109 | 0.0155 | 0.0189 | 0.0166 | 0.01823 | 0.01936 | 0.01823 | | | |
| 5 | 59 | 0.0188 | 0.0177 | 0.0166 | 0.0189 | 0.0200 | 0.0189 | 0.01823 | 0.01597 | 0.01936 | | | |
| | Min | 0.0109 | 0.0087 | 0.0109 | 0.0155 | 0.0155 | 0.0133 | 0.01823 | 0.01597 | 0.0160 | | | |
| | Max | 0.0188 | 0.0211 | 0.0188 | 0.0200 | 0.0200 | 0.0189 | 0.02049 | 0.02163 | 0.0205 | | | |
| | Mean | 0.0159 | 0.0155 | 0.0162 | 0.0172 | 0.0178 | 0.0171 | 0.01851 | 0.01880 | 0.0188 | | | |
| | Std. Dev | 0.0028 | 0.0044 | 0.0024 | 0.0016 | 0.0017 | 0.0018 | 0.00080 | 0.00201 | 0.0014 | | | |
| | Mean - 3 Sigma | 0.0076 | 0.0024 | 0.0089 | 0.0124 | 0.0126 | 0.0116 | 0.01612 | 0.01278 | 0.0147 | | | |
| | Mean + 3 Sigma | 0.0242 | 0.0285 | 0.0234 | 0.0220 | 0.0229 | 0.0225 | 0.02091 | 0.02481 | 0.0228 | | | |

| | | LE Input Low Current | | | uA | DATA Input High Current | | | uA | DATA Input Low Current | | | uA |
|-------|----------------|----------------------|--------|--------|--------|-------------------------|--------|---------|---------|------------------------|-----|-----|------|
| Wafer | SN | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.0176 | 0.0176 | 0.0176 | 0.0160 | 0.0205 | 0.0171 | 0.01756 | 0.01643 | 0.01756 | | | |
| 1 | 13 | 0.0187 | 0.0198 | 0.0153 | 0.0182 | 0.0182 | 0.0182 | 0.01643 | 0.01869 | 0.01869 | | | |
| 1 | 14 | 0.0198 | 0.0187 | 0.0176 | 0.0171 | 0.0194 | 0.0171 | 0.01756 | 0.01756 | 0.01756 | | | |
| 1 | 15 | 0.0198 | 0.0153 | 0.0153 | 0.0182 | 0.0205 | 0.0171 | 0.0153 | 0.01869 | 0.01982 | | | |
| 1 | 16 | 0.0176 | 0.0198 | 0.0198 | 0.0194 | 0.0205 | 0.0171 | 0.01756 | 0.01416 | 0.02096 | | | |
| 5 | 56 | 0.0187 | 0.0176 | 0.0187 | 0.0205 | 0.0171 | 0.0194 | 0.01869 | 0.02209 | 0.01643 | | | |
| 5 | 57 | 0.0210 | 0.0176 | 0.0164 | 0.0194 | 0.0171 | 0.0194 | 0.01869 | 0.01756 | 0.01756 | | | |
| 5 | 58 | 0.0187 | 0.0176 | 0.0176 | 0.0182 | 0.0194 | 0.0194 | 0.01756 | 0.01982 | 0.01982 | | | |
| 5 | 59 | 0.0164 | 0.0176 | 0.0198 | 0.0182 | 0.0182 | 0.0205 | 0.01756 | 0.01869 | 0.01869 | | | |
| | Min | 0.0164 | 0.0153 | 0.0153 | 0.0171 | 0.0171 | 0.0171 | 0.01530 | 0.01416 | 0.0164 | | | |
| | Max | 0.0210 | 0.0198 | 0.0198 | 0.0205 | 0.0205 | 0.0205 | 0.01869 | 0.02209 | 0.0210 | | | |
| | Mean | 0.0188 | 0.0180 | 0.0176 | 0.0187 | 0.0188 | 0.0185 | 0.01742 | 0.01841 | 0.0187 | | | |
| | Std. Dev | 0.0014 | 0.0015 | 0.0018 | 0.0010 | 0.0014 | 0.0013 | 0.00112 | 0.00224 | 0.0015 | | | |
| | Mean - 3 Sigma | 0.0146 | 0.0136 | 0.0121 | 0.0155 | 0.0147 | 0.0146 | 0.01406 | 0.01167 | 0.0142 | | | |
| | Mean + 3 Sigma | 0.0231 | 0.0224 | 0.0230 | 0.0218 | 0.0228 | 0.0225 | 0.02078 | 0.02514 | 0.0231 | | | |

| Wafer | SN | Clock Input High Current | | | Clock Input Low Current | | | REFIN Input Frequency Max | | |
|-------|----------------|--------------------------|--------|--------|-------------------------|--------|--------|---------------------------|-----------|-----------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.0166 | 0.0211 | 0.0166 | 0.0178 | 0.0178 | 0.0178 | 200.00005 | 200.00008 | 200.00005 |
| 1 | 13 | 0.0155 | 0.0155 | 0.0177 | 0.0189 | 0.0166 | 0.0189 | 200 | 200.00002 | 200 |
| 1 | 14 | 0.0166 | 0.0155 | 0.0155 | 0.0166 | 0.0166 | 0.0189 | 200.00005 | 199.99995 | 200.00002 |
| 1 | 15 | 0.0155 | 0.0188 | 0.0188 | 0.0178 | 0.0166 | 0.0166 | 199.99992 | 199.99995 | 200.00003 |
| 1 | 16 | 0.0166 | 0.0166 | 0.0177 | 0.0155 | 0.0178 | 0.0178 | 200 | 200.00009 | 200 |
| 5 | 56 | 0.0143 | 0.0166 | 0.0177 | 0.0189 | 0.0189 | 0.0178 | 200.00003 | 200 | 200.00002 |
| 5 | 57 | 0.0155 | 0.0166 | 0.0188 | 0.0189 | 0.0178 | 0.0189 | 199.99995 | 199.99998 | 200.00003 |
| 5 | 58 | 0.0188 | 0.0177 | 0.0177 | 0.0178 | 0.0144 | 0.0178 | 199.99997 | 199.99998 | 200 |
| 5 | 59 | 0.0143 | 0.0166 | 0.0177 | 0.0166 | 0.0189 | 0.0178 | 200.00006 | 200.00006 | 199.99998 |
| | Min | 0.0143 | 0.0155 | 0.0155 | 0.0155 | 0.0144 | 0.0166 | 199.99992 | 199.99995 | 200.00000 |
| | Max | 0.0188 | 0.0188 | 0.0188 | 0.0189 | 0.0189 | 0.0189 | 200.00006 | 200.00009 | 200.00000 |
| | Mean | 0.0159 | 0.0167 | 0.0177 | 0.0176 | 0.0172 | 0.0181 | 200.00000 | 200.00000 | 200.00000 |
| | Std. Dev | 0.0015 | 0.0011 | 0.0010 | 0.0013 | 0.0015 | 0.0008 | 0.00005 | 0.00005 | 0.0000 |
| | Mean - 3 Sigma | 0.0115 | 0.0134 | 0.0146 | 0.0138 | 0.0128 | 0.0157 | 199.99985 | 199.99985 | 200.00000 |
| | Mean + 3 Sigma | 0.0203 | 0.0201 | 0.0208 | 0.0214 | 0.0216 | 0.0204 | 200.00014 | 200.00015 | 200.0001 |

| Wafer | SN | REFIN Input Frequency Min | | | Icp vs Vcp | | | Rset Output Voltage Vdd=3.2V Vcp=5.5V | | |
|-------|----------------|---------------------------|----------|----------|------------|--------|--------|---------------------------------------|---------|---------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 200.0000 | 200.0000 | 200.0000 | 1.9144 | 1.9224 | 1.9120 | 0.60673 | 0.60846 | 0.60814 |
| 1 | 13 | 199.9999 | 200.0001 | 200.0000 | 1.9368 | 1.8539 | 1.8954 | 0.61384 | 0.61723 | 0.61634 |
| 1 | 14 | 199.9999 | 200.0000 | 200.0001 | 2.2515 | 2.1489 | 2.1691 | 0.62165 | 0.62389 | 0.62447 |
| 1 | 15 | 200.0000 | 200.0000 | 200.0000 | 2.3560 | 2.2481 | 2.3488 | 0.60891 | 0.61192 | 0.61115 |
| 1 | 16 | 200.0000 | 199.9999 | 200.0000 | 1.9085 | 1.7702 | 1.8454 | 0.60891 | 0.61249 | 0.61192 |
| 5 | 56 | 200.0000 | 200.0000 | 200.0000 | 2.7880 | 2.7806 | 2.6798 | 0.60603 | 0.60878 | 0.60878 |
| 5 | 57 | 200.0000 | 200.0000 | 200.0000 | 2.0966 | 1.9818 | 1.9456 | 0.61301 | 0.61518 | 0.61512 |
| 5 | 58 | 200.0000 | 200.0000 | 200.0000 | 2.6106 | 2.3971 | 2.4213 | 0.61089 | 0.61397 | 0.61416 |
| 5 | 59 | 200.0000 | 199.9999 | 199.9999 | 2.2805 | 2.1177 | 2.1532 | 0.60167 | 0.60379 | 0.6034 |
| | Min | 199.9999 | 199.9999 | 199.9999 | 1.9085 | 1.7702 | 1.8454 | 0.60167 | 0.60379 | 0.6034 |
| | Max | 200.0000 | 200.0001 | 200.0001 | 2.7880 | 2.7806 | 2.6798 | 0.62165 | 0.62389 | 0.6245 |
| | Mean | 200.0000 | 200.0000 | 200.0000 | 2.2785 | 2.1623 | 2.1823 | 0.61061 | 0.61341 | 0.6132 |
| | Std. Dev | 0.0000 | 0.0000 | 0.0000 | 0.3079 | 0.3226 | 0.2892 | 0.00591 | 0.00592 | 0.0061 |
| | Mean - 3 Sigma | 199.9998 | 199.9999 | 199.9999 | 1.3550 | 1.1945 | 1.3148 | 0.59287 | 0.59566 | 0.5948 |
| | Mean + 3 Sigma | 200.0001 | 200.0001 | 200.0001 | 3.2021 | 3.1300 | 3.0498 | 0.62836 | 0.63115 | 0.6316 |

| Wafer | SN | Rset Output Voltage Vdd=3.6V Vcp=5.5V | | | Icp8 Source Max Value | | | Icp8 Sink Max Value | | |
|-------|----------------|---------------------------------------|--------|--------|-----------------------|--------|--------|---------------------|----------|----------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 0.6072 | 0.6080 | 0.6081 | 4.8659 | 4.8862 | 4.8825 | -4.99064 | -4.99314 | -4.99361 |
| 1 | 13 | 0.6137 | 0.6166 | 0.6159 | 5.0144 | 5.0116 | 5.0061 | -5.12778 | -5.15834 | -5.14828 |
| 1 | 14 | 0.6212 | 0.6231 | 0.6236 | 5.1542 | 5.1256 | 5.1383 | -5.31723 | -5.31438 | -5.32836 |
| 1 | 15 | 0.6080 | 0.6106 | 0.6104 | 4.9805 | 4.9635 | 4.9689 | -5.0396 | -5.04236 | -5.04483 |
| 1 | 16 | 0.6084 | 0.6114 | 0.6112 | 5.1290 | 5.0992 | 5.1099 | -5.16492 | -5.15577 | -5.16614 |
| 5 | 56 | 0.6058 | 0.6083 | 0.6083 | 4.9323 | 4.8876 | 4.9008 | -5.08041 | -5.06355 | -5.07565 |
| 5 | 57 | 0.6119 | 0.6147 | 0.6144 | 5.0259 | 4.9950 | 5.0031 | -5.1373 | -5.11687 | -5.11875 |
| 5 | 58 | 0.6110 | 0.6132 | 0.6137 | 5.0541 | 5.0181 | 5.0260 | -5.20802 | -5.18877 | -5.18316 |
| 5 | 59 | 0.6009 | 0.6035 | 0.6028 | 4.8650 | 4.8373 | 4.8405 | -4.97283 | -4.9671 | -4.97358 |
| | Min | 0.6009 | 0.6035 | 0.6028 | 4.8650 | 4.8373 | 4.8405 | -5.31723 | -5.31438 | -5.3284 |
| | Max | 0.6212 | 0.6231 | 0.6236 | 5.1542 | 5.1256 | 5.1383 | -4.97283 | -4.96710 | -4.9736 |
| | Mean | 0.6101 | 0.6127 | 0.6125 | 5.0194 | 4.9922 | 4.9992 | -5.13101 | -5.12589 | -5.1298 |
| | Std. Dev | 0.0060 | 0.0058 | 0.0060 | 0.0959 | 0.0971 | 0.0987 | 0.10539 | 0.10528 | 0.1060 |
| | Mean - 3 Sigma | 0.5921 | 0.5952 | 0.5944 | 4.7317 | 4.7008 | 4.7032 | -5.44717 | -5.44173 | -5.4478 |
| | Mean + 3 Sigma | 0.6280 | 0.6302 | 0.6307 | 5.3072 | 5.2836 | 5.2952 | -4.81485 | -4.81005 | -4.8119 |

| Wafer | SN | Icp8 Sink/Source Absolute Accuracy | | | Icp8 Sink/Source Current Match | | | Icp1 Source Max | | |
|-------|----------------|------------------------------------|---------|---------|--------------------------------|---------|---------|-----------------|---------|---------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | -1.4344 | -1.2066 | -1.2385 | -2.5306 | -2.1650 | -2.2495 | 0.60799 | 0.61003 | 0.60987 |
| 1 | 13 | 1.4215 | 1.6995 | 1.5441 | -2.2362 | -2.8854 | -2.7997 | 0.62651 | 0.62557 | 0.62523 |
| 1 | 14 | 4.7141 | 4.3994 | 4.6667 | -3.1142 | -3.6172 | -3.6314 | 0.64219 | 0.63811 | 0.63908 |
| 1 | 15 | 0.2009 | 0.0589 | 0.1373 | -1.1798 | -1.5756 | -1.5168 | 0.62081 | 0.61905 | 0.61952 |
| 1 | 16 | 2.9396 | 2.5493 | 2.7600 | -0.6972 | -1.1039 | -1.0955 | 0.63821 | 0.63466 | 0.63592 |
| 5 | 56 | 0.1272 | -0.4881 | -0.2355 | -2.9582 | -3.5353 | -3.5050 | 0.61457 | 0.60833 | 0.61018 |
| 5 | 57 | 1.6315 | 1.1190 | 1.2181 | -2.1934 | -2.4097 | -2.2859 | 0.62651 | 0.6231 | 0.62379 |
| 5 | 58 | 2.6211 | 2.0685 | 2.0914 | -3.0000 | -3.3448 | -3.0794 | 0.63021 | 0.6252 | 0.62626 |
| 5 | 59 | -1.6219 | -1.9563 | -1.8589 | -2.1926 | -2.6483 | -2.7115 | 0.60395 | 0.59949 | 0.60034 |
| | Min | -1.6219 | -1.9563 | -1.8589 | -3.1142 | -3.6172 | -3.6314 | 0.60395 | 0.59949 | 0.6003 |
| | Max | 4.7141 | 4.3994 | 4.6667 | -0.6972 | -1.1039 | -1.0955 | 0.64219 | 0.63811 | 0.6391 |
| | Mean | 1.5042 | 1.1813 | 1.2904 | -2.1965 | -2.6400 | -2.5781 | 0.62537 | 0.62169 | 0.6225 |
| | Std. Dev | 1.9640 | 1.9704 | 1.9945 | 0.8743 | 0.9149 | 0.9021 | 0.01236 | 0.01279 | 0.0127 |
| | Mean - 3 Sigma | -4.3878 | -4.7300 | -4.6931 | -4.8195 | -5.3847 | -5.2845 | 0.58828 | 0.58331 | 0.5844 |
| | Mean + 3 Sigma | 7.3963 | 7.0926 | 7.2739 | 0.4266 | 0.1047 | 0.1282 | 0.66246 | 0.66007 | 0.6607 |

| Wafer | SN | Icp1 Sink Max | | | mA | Icp1 Sink/Source Current Match | | | % | Icp2 Sink/Source Current Match | | | % |
|-------|----------------|---------------|---------|---------|---------|--------------------------------|---------|----------|----------|--------------------------------|-----|------|---|
| | | PRE | 50k | 24hr | | PRE | 50k | 24hr | | PRE | 50k | 24hr | |
| 1 | 10 | -0.6165 | -0.6185 | -0.6183 | -1.3860 | -1.3713 | -1.3666 | -1.5955 | -1.54641 | -1.55459 | | | |
| 1 | 13 | -0.6349 | -0.6391 | -0.6377 | -1.3355 | -1.3351 | -1.9693 | -1.90092 | -2.70249 | -2.55976 | | | |
| 1 | 14 | -0.6511 | -0.6532 | -0.6528 | -1.3753 | -2.3290 | -2.1193 | -1.49083 | -2.42496 | -2.33571 | | | |
| 1 | 15 | -0.6241 | -0.6269 | -0.6268 | -0.5323 | -1.2615 | -1.1656 | -0.30628 | -1.07533 | -0.94204 | | | |
| 1 | 16 | -0.6395 | -0.6402 | -0.6408 | -0.1949 | -0.8641 | -0.7646 | 0.00806 | -0.71175 | -0.61489 | | | |
| 5 | 56 | -0.6275 | -0.6290 | -0.6289 | -2.0881 | -3.3375 | -3.0241 | -2.39834 | -3.52724 | -3.33964 | | | |
| 5 | 57 | -0.6326 | -0.6347 | -0.6341 | -0.9596 | -1.8477 | -1.6333 | -1.24973 | -2.1851 | -1.98037 | | | |
| 5 | 58 | -0.6403 | -0.6420 | -0.6415 | -1.5875 | -2.6503 | -2.4019 | -1.82805 | -2.77597 | -2.60157 | | | |
| 5 | 59 | -0.6182 | -0.6205 | -0.6193 | -2.3275 | -3.4465 | -3.1033 | -1.91119 | -2.84505 | -2.63796 | | | |
| | Min | -0.6511 | -0.6532 | -0.6528 | -2.3275 | -3.4465 | -3.1033 | -2.39834 | -3.52724 | -3.3396 | | | |
| | Max | -0.6182 | -0.6205 | -0.6193 | -0.1949 | -0.8641 | -0.7646 | 0.00806 | -0.71175 | -0.6149 | | | |
| | Mean | -0.6335 | -0.6357 | -0.6352 | -1.3001 | -2.2340 | -2.0227 | -1.38466 | -2.28099 | -2.1265 | | | |
| | Std. Dev | 0.0104 | 0.0102 | 0.0104 | 0.7263 | 0.9143 | 0.8277 | 0.83666 | 0.94416 | 0.9181 | | | |
| | Mean - 3 Sigma | -0.6646 | -0.6663 | -0.6663 | -3.4790 | -4.9769 | -4.5057 | -3.89463 | -5.11346 | -4.8806 | | | |
| | Mean + 3 Sigma | -0.6024 | -0.6051 | -0.6041 | 0.8789 | 0.5090 | 0.4604 | 1.12531 | 0.55148 | 0.6277 | | | |

| Wafer | SN | Icp3 Sink/Source Current Match | | | % | Icp4 Sink/Source Current Match | | | % | Icp5 Sink/Source Current Match | | | % |
|-------|----------------|--------------------------------|---------|---------|---------|--------------------------------|----------|----------|----------|--------------------------------|-----|------|---|
| | | PRE | 50k | 24hr | | PRE | 50k | 24hr | | PRE | 50k | 24hr | |
| 1 | 10 | -2.3006 | -2.3091 | -2.3200 | -2.1586 | -2.1608 | -2.1735 | -1.83914 | -1.83377 | -1.86898 | | | |
| 1 | 13 | -1.9337 | -2.7589 | -2.6292 | -2.0480 | -2.8963 | -2.7287 | -1.70725 | -2.55255 | -2.37289 | | | |
| 1 | 14 | -1.6632 | -2.5485 | -2.3939 | -1.6415 | -2.5181 | -2.4172 | -1.80755 | -2.73566 | -2.69644 | | | |
| 1 | 15 | -1.2767 | -1.9712 | -1.8372 | -0.9629 | -1.6712 | -1.5630 | -0.75114 | -1.4809 | -1.27615 | | | |
| 1 | 16 | -0.4875 | -1.2705 | -1.1296 | -0.3118 | -1.0831 | -0.9846 | -0.21761 | -0.88065 | -0.81779 | | | |
| 5 | 56 | -2.3706 | -3.5072 | -3.3271 | -2.4673 | -3.3867 | -3.21236 | -3.27833 | -3.09957 | | | | |
| 5 | 57 | -1.2754 | -2.2066 | -2.0306 | -1.3341 | -2.2543 | -2.0907 | -1.11748 | -2.05741 | -1.89021 | | | |
| 5 | 58 | -2.0572 | -2.9591 | -2.8474 | -2.0473 | -2.9447 | -2.8403 | -2.00558 | -2.91709 | -2.82372 | | | |
| 5 | 59 | -2.3324 | -3.2759 | -3.0635 | -2.1335 | -3.0082 | -2.8399 | -1.73713 | -2.55623 | -2.40084 | | | |
| | Min | -2.3706 | -3.5072 | -3.3271 | -2.4673 | -3.3867 | -3.21236 | -3.27833 | -3.0996 | | | | |
| | Max | -0.4875 | -1.2705 | -1.1296 | -0.3118 | -1.0831 | -0.9846 | -0.21761 | -0.88065 | -0.8178 | | | |
| | Mean | -1.6746 | -2.5622 | -2.4073 | -1.6183 | -2.4930 | -2.3564 | -1.44451 | -2.30735 | -2.1722 | | | |
| | Std. Dev | 0.6389 | 0.7312 | 0.7190 | 0.7144 | 0.8025 | 0.7795 | 0.68492 | 0.79292 | 0.7900 | | | |
| | Mean - 3 Sigma | -3.5914 | -4.7560 | -4.5644 | -3.7615 | -4.9006 | -4.6950 | -3.49928 | -4.68611 | -4.5422 | | | |
| | Mean + 3 Sigma | 0.2423 | -0.3685 | -0.2502 | 0.5249 | -0.0854 | -0.0178 | 0.61026 | 0.07141 | 0.1978 | | | |

| Wafer | SN | Icp6 Sink/Source Current Match | | | % | Icp7 Sink/Source Current Match | | | % | Icp Tri-State Leakage | | | nA |
|-------|----------------|--------------------------------|---------|---------|---------|--------------------------------|---------|----------|-----------|-----------------------|-----|------|----|
| | | PRE | 50k | 24hr | | PRE | 50k | 24hr | | PRE | 50k | 24hr | |
| 1 | 10 | -1.7905 | -1.8135 | -1.8200 | -2.1349 | -2.0781 | -2.1805 | 0.30139 | 0.96149 | 0.04992 | | | |
| 1 | 13 | -1.7943 | -2.5969 | -2.4880 | -1.8604 | -2.6970 | -2.5370 | 0.64715 | 1.30725 | 1.59015 | | | |
| 1 | 14 | -1.8022 | -2.6933 | -2.6179 | -1.8984 | -2.6747 | -2.6317 | -0.73591 | 0.93005 | -0.92451 | | | |
| 1 | 15 | -0.5934 | -1.3514 | -1.1815 | -0.9248 | -1.6463 | -1.5380 | 0.89862 | 4.16768 | 2.15595 | | | |
| 1 | 16 | -0.1415 | -0.8215 | -0.7183 | -0.3311 | -1.0184 | -0.9486 | 0.74145 | 4.95351 | 0.36426 | | | |
| 5 | 56 | -2.2625 | -3.3350 | -3.1746 | -2.3347 | -3.3333 | -3.1850 | 0.23852 | 10.64292 | 7.37386 | | | |
| 5 | 57 | -1.1480 | -2.1074 | -1.9617 | -1.2837 | -2.1605 | -1.9695 | -2.65333 | 4.13624 | 1.99878 | | | |
| 5 | 58 | -2.0115 | -2.9058 | -2.7868 | -2.1639 | -2.9654 | -2.9143 | 0.14422 | 17.3382 | 9.79422 | | | |
| 5 | 59 | -1.6777 | -2.4722 | -2.3206 | -1.8516 | -2.6900 | -2.5598 | -0.64161 | 19.69569 | 9.60562 | | | |
| | Min | -2.2625 | -3.3350 | -3.1746 | -2.3347 | -3.3333 | -3.1850 | -2.65333 | 0.93005 | -0.9245 | | | |
| | Max | -0.1415 | -0.8215 | -0.7183 | -0.3311 | -1.0184 | -0.9486 | 0.89862 | 19.69569 | 9.7942 | | | |
| | Mean | -1.4289 | -2.2854 | -2.1562 | -1.5811 | -2.3982 | -2.2855 | -0.17011 | 7.89644 | 3.9948 | | | |
| | Std. Dev | 0.7371 | 0.8308 | 0.8316 | 0.6805 | 0.7533 | 0.7473 | 1.17203 | 7.21669 | 4.2605 | | | |
| | Mean - 3 Sigma | -3.6403 | -4.7779 | -4.6508 | -3.6224 | -4.6582 | -4.5273 | -3.68621 | -13.75362 | -8.7866 | | | |
| | Mean + 3 Sigma | 0.7825 | 0.2071 | 0.3385 | 0.4603 | -0.1382 | -0.0437 | 3.34599 | 29.54650 | 16.7762 | | | |

| Wafer | SN | Rfin Input Frequency 1GHz, Vdd=3.6V, Vcp=3.6V | | | kHz | Rfin Input Frequency 2.45GHz, Vdd=3.6V, Vcp=5.5V | | | kHz | Rfin Input Frequency 5GHz, Vdd=3.6V, Vcp=5.5V | | | kHz |
|-------|----------------|---|----------|----------|----------|--|----------|-----------|-----------|---|-----------|------|-----|
| | | PRE | 50k | 24hr | | PRE | 50k | 24hr | | PRE | 50k | 24hr | |
| 1 | 10 | 200.0000 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 200.0001 | 200.0001 | 199.99995 | 199.99992 | 200.00006 | | |
| 1 | 13 | 200.0000 | 200.0001 | 200.0001 | 200.0001 | 200.0000 | 200.0001 | 200.0001 | 199.99997 | 200 | 200.00012 | | |
| 1 | 14 | 200.0000 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.00008 | 199.99988 | 200.00002 | | |
| 1 | 15 | 199.9999 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 199.99992 | 200.00003 | 199.99995 | | |
| 1 | 16 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 199.99992 | 199.99992 | 200.00003 | | |
| 5 | 56 | 200.0000 | 200.0000 | 200.0000 | 200.0001 | 199.9999 | 200.0001 | 200 | 199.99998 | 199.99991 | | | |
| 5 | 57 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 199.9999 | 200 | 200 | 199.99995 | | | |
| 5 | 58 | 199.9999 | 199.9999 | 200.0000 | 200.0000 | 199.9999 | 200.0000 | 200.0000 | 200.00008 | 200.00005 | 199.99994 | | |
| 5 | 59 | 200.0000 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 199.9999 | 200.00002 | 199.99995 | 200.00008 | | | |
| | Min | 199.9999 | 199.9999 | 200.0000 | 200.0000 | 199.9999 | 199.9999 | 199.99992 | 199.99988 | 199.9999 | | | |
| | Max | 200.0001 | 200.0001 | 200.0001 | 200.0001 | 200.0000 | 200.0001 | 200.00008 | 200.00005 | 200.0001 | | | |
| | Mean | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.00000 | 199.99998 | 200.0000 | | | |
| | Std. Dev | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.00006 | 0.00006 | 0.0001 | | | |
| | Mean - 3 Sigma | 199.9998 | 199.9999 | 199.9999 | 199.9999 | 199.9998 | 199.9999 | 199.99981 | 199.99981 | 199.9998 | | | |
| | Mean + 3 Sigma | 200.0001 | 200.0002 | 200.0001 | 200.0001 | 200.0001 | 200.0001 | 200.00018 | 200.00015 | 200.0002 | | | |

| Wafer | SN | Rfin Input Frequency 1GHz, Vdd=3.2V, Vcp=3.2V | | | Max Output Frequency Prescaler | | | Max Output Frequency Prescaler 5GHz, Vdd=3.2V, Vcp=3.2V | | |
|-------|----------------|---|----------|----------|--------------------------------|----------|----------|---|-----------|-----------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 200.0000 | 200.0000 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 199.99992 | 200.00005 | 200.00002 |
| 1 | 13 | 200.0000 | 200.0000 | 200.0000 | 199.9999 | 200.0000 | 200.0000 | 200.00005 | 199.99997 | 199.99991 |
| 1 | 14 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 199.9999 | 200.0000 | 200.00003 | 200.00005 | 200.00002 |
| 1 | 15 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0001 | 200.00003 | 199.99995 | 200.00003 |
| 1 | 16 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0001 | 199.99997 | 199.99997 | 200 |
| 5 | 56 | 200.0000 | 200.0000 | 200.0001 | 200.0000 | 200.0000 | 200.0000 | 199.99994 | 199.99989 | 199.99998 |
| 5 | 57 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 199.9999 | 199.9999 | 200.00002 | 200.00006 | 199.99997 |
| 5 | 58 | 200.0000 | 200.0000 | 200.0001 | 200.0000 | 200.0001 | 199.9999 | 200.00008 | 199.99991 | 199.99994 |
| 5 | 59 | 200.0000 | 200.0001 | 200.0000 | 200.0001 | 200.0001 | 200.0000 | 200.00002 | 199.99998 | 199.99997 |
| | Min | 200.0000 | 200.0000 | 200.0000 | 199.9999 | 199.9999 | 199.9999 | 199.99994 | 199.99989 | 199.9999 |
| | Max | 200.0001 | 200.0001 | 200.0001 | 200.0001 | 200.0001 | 200.0001 | 200.00008 | 200.00006 | 200.0000 |
| | Mean | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.0000 | 200.00002 | 199.99997 | 200.0000 |
| | Std. Dev | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.00004 | 0.00006 | 0.0000 |
| | Mean - 3 Sigma | 199.9999 | 199.9999 | 199.9999 | 199.9999 | 199.9998 | 199.9998 | 199.99989 | 199.99979 | 199.9999 |
| | Mean + 3 Sigma | 200.0001 | 200.0001 | 200.0001 | 200.0001 | 200.0002 | 200.0002 | 200.00015 | 200.00015 | 200.0001 |

| Wafer | SN | Muxout CMOS VOH (Dynamic) | | | Muxout N-Chan VOH (Dynamic) | | |
|-------|----------------|---------------------------|--------|--------|-----------------------------|--------|--------|
| | | PRE | 50k | 24hr | PRE | 50k | 24hr |
| 1 | 10 | 3.4520 | 3.4516 | 3.4511 | 1.7730 | 1.7729 | 1.7733 |
| 1 | 13 | 3.4524 | 3.4484 | 3.4485 | 1.7729 | 1.7728 | 1.7732 |
| 1 | 14 | 3.4534 | 3.4495 | 3.4495 | 1.7730 | 1.7733 | 1.7732 |
| 1 | 15 | 3.4482 | 3.4439 | 3.4443 | 1.7730 | 1.7759 | 1.7742 |
| 1 | 16 | 3.4529 | 3.4490 | 3.4491 | 1.7731 | 1.7739 | 1.7736 |
| 5 | 56 | 3.4536 | 3.4495 | 3.4495 | 1.7734 | 1.7796 | 1.7756 |
| 5 | 57 | 3.4522 | 3.4479 | 3.4476 | 1.7729 | 1.7740 | 1.7734 |
| 5 | 58 | 3.4514 | 3.4470 | 3.4471 | 1.7729 | 1.7820 | 1.7776 |
| 5 | 59 | 3.4577 | 3.4538 | 3.4541 | 1.7730 | 1.7841 | 1.7789 |
| | Min | 3.4482 | 3.4439 | 3.4443 | 1.7729 | 1.7728 | 1.7732 |
| | Max | 3.4577 | 3.4538 | 3.4541 | 1.7734 | 1.7841 | 1.7789 |
| | Mean | 3.4527 | 3.4486 | 3.4487 | 1.7730 | 1.7770 | 1.7750 |
| | Std. Dev | 0.0026 | 0.0028 | 0.0028 | 0.0002 | 0.0044 | 0.0022 |
| | Mean - 3 Sigma | 3.4448 | 3.4403 | 3.4404 | 1.7725 | 1.7638 | 1.7683 |
| | Mean + 3 Sigma | 3.4606 | 3.4570 | 3.4571 | 1.7735 | 1.7901 | 1.7816 |













