



*CP/CPK Analysis Report*

*Processed Data = 163*



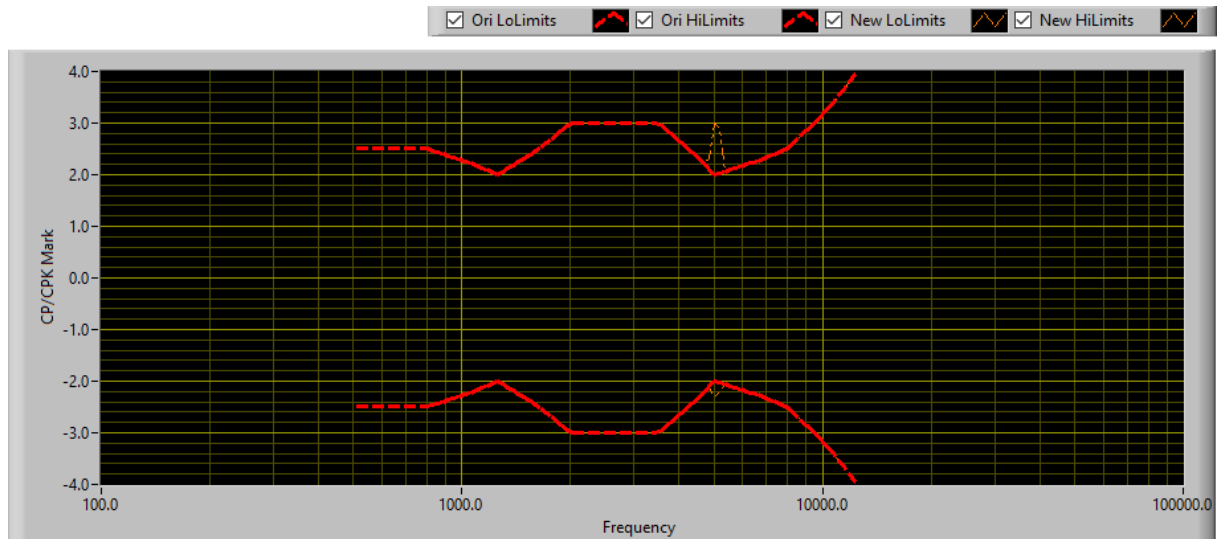


Figure1 Ori &amp; New Limits

| Frequency | Delta<br>LoLimits | Delta<br>HiLimits | Ori<br>LoLimits | Ori<br>HiLimits | New<br>LoLimits | New<br>HiLimits |
|-----------|-------------------|-------------------|-----------------|-----------------|-----------------|-----------------|
| 509.176   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 527.139   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 545.674   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 564.925   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 584.855   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 605.419   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 626.777   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 648.889   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 671.705   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 695.402   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 719.935   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 745.248   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 771.540   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 798.667   | 0.000000          | 0.000000          | -2.5000         | 2.5000          | -2.5000         | 2.5000          |
| 826.844   | 0.000000          | 0.000000          | -2.4702         | 2.4702          | -2.4702         | 2.4702          |
| 856.014   | 0.000000          | 0.000000          | -2.4378         | 2.4378          | -2.4378         | 2.4378          |
| 886.112   | 0.000000          | 0.000000          | -2.4043         | 2.4043          | -2.4043         | 2.4043          |
| 917.373   | 0.000000          | 0.000000          | -2.3696         | 2.3696          | -2.3696         | 2.3696          |
| 949.737   | 0.000000          | 0.000000          | -2.3336         | 2.3336          | -2.3336         | 2.3336          |
| 983.130   | 0.000000          | 0.000000          | -2.2965         | 2.2965          | -2.2965         | 2.2965          |
| 1017.814  | 0.000000          | 0.000000          | -2.2580         | 2.2580          | -2.2580         | 2.2580          |
| 1053.721  | 0.000000          | 0.000000          | -2.2181         | 2.2181          | -2.2181         | 2.2181          |
| 1090.771  | 0.000000          | 0.000000          | -2.1769         | 2.1769          | -2.1769         | 2.1769          |
| 1129.252  | 0.000000          | 0.000000          | -2.1342         | 2.1342          | -2.1342         | 2.1342          |
| 1168.957  | 0.000000          | 0.000000          | -2.0900         | 2.0900          | -2.0900         | 2.0900          |
| 1210.197  | 0.000000          | 0.000000          | -2.0442         | 2.0442          | -2.0442         | 2.0442          |
| 1252.891  | 0.000000          | 0.000000          | -2.0039         | 2.0039          | -2.0039         | 2.0039          |
| 1296.944  | 0.000000          | 0.000000          | -2.0626         | 2.0626          | -2.0626         | 2.0626          |

|          |           |          |         |        |         |        |
|----------|-----------|----------|---------|--------|---------|--------|
| 1342.698 | 0.000000  | 0.000000 | -2.1236 | 2.1236 | -2.1236 | 2.1236 |
| 1390.067 | 0.000000  | 0.000000 | -2.1868 | 2.1868 | -2.1868 | 2.1868 |
| 1438.943 | 0.000000  | 0.000000 | -2.2519 | 2.2519 | -2.2519 | 2.2519 |
| 1489.708 | 0.000000  | 0.000000 | -2.3196 | 2.3196 | -2.3196 | 2.3196 |
| 1542.263 | 0.000000  | 0.000000 | -2.3897 | 2.3897 | -2.3897 | 2.3897 |
| 1596.490 | 0.000000  | 0.000000 | -2.4620 | 2.4620 | -2.4620 | 2.4620 |
| 1652.812 | 0.000000  | 0.000000 | -2.5371 | 2.5371 | -2.5371 | 2.5371 |
| 1711.122 | 0.000000  | 0.000000 | -2.6148 | 2.6148 | -2.6148 | 2.6148 |
| 1771.286 | 0.000000  | 0.000000 | -2.6950 | 2.6950 | -2.6950 | 2.6950 |
| 1833.775 | 0.000000  | 0.000000 | -2.7784 | 2.7784 | -2.7784 | 2.7784 |
| 1898.252 | 0.000000  | 0.000000 | -2.8643 | 2.8643 | -2.8643 | 2.8643 |
| 1965.220 | 0.000000  | 0.000000 | -2.9536 | 2.9536 | -2.9536 | 2.9536 |
| 2034.551 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2106.087 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2180.387 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2257.309 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2336.678 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2419.113 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2504.457 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2592.515 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2683.976 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2778.347 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2876.364 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 2977.839 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 3082.542 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 3191.291 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 3303.876 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 3420.042 | 0.000000  | 0.000000 | -3.0000 | 3.0000 | -3.0000 | 3.0000 |
| 3540.698 | 0.000000  | 0.000000 | -2.9729 | 2.9729 | -2.9729 | 2.9729 |
| 3665.609 | 0.000000  | 0.000000 | -2.8896 | 2.8896 | -2.8896 | 2.8896 |
| 3794.495 | 0.000000  | 0.000000 | -2.8037 | 2.8037 | -2.8037 | 2.8037 |
| 3928.361 | 0.000000  | 0.000000 | -2.7144 | 2.7144 | -2.7144 | 2.7144 |
| 4066.485 | 0.000000  | 0.000000 | -2.6223 | 2.6223 | -2.6223 | 2.6223 |
| 4209.946 | 0.000000  | 0.000000 | -2.5267 | 2.5267 | -2.5267 | 2.5267 |
| 4358.468 | 0.000000  | 0.000000 | -2.4277 | 2.4277 | -2.4277 | 2.4277 |
| 4511.715 | 0.000000  | 0.000000 | -2.3255 | 2.3255 | -2.3255 | 2.3255 |
| 4670.883 | 0.000000  | 0.000000 | -2.2194 | 2.2194 | -2.2194 | 2.2194 |
| 4835.667 | 0.000000  | 0.190400 | -2.1096 | 2.1096 | -2.1096 | 2.3000 |
| 5005.692 | -0.299100 | 0.999100 | -2.0009 | 2.0009 | -2.3000 | 3.0000 |
| 5182.288 | -0.169600 | 0.869600 | -2.0304 | 2.0304 | -2.2000 | 2.9000 |
| 5365.113 | 0.000000  | 0.000000 | -2.0609 | 2.0609 | -2.0609 | 2.0609 |
| 5553.754 | 0.000000  | 0.000000 | -2.0923 | 2.0923 | -2.0923 | 2.0923 |
| 5749.685 | 0.000000  | 0.000000 | -2.1249 | 2.1249 | -2.1249 | 2.1249 |
| 5951.848 | 0.000000  | 0.000000 | -2.1586 | 2.1586 | -2.1586 | 2.1586 |
| 6161.822 | 0.000000  | 0.000000 | -2.1936 | 2.1936 | -2.1936 | 2.1936 |
| 6379.205 | 0.000000  | 0.000000 | -2.2299 | 2.2299 | -2.2299 | 2.2299 |

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|           |          |          |         |        |         |        |
|-----------|----------|----------|---------|--------|---------|--------|
| 6603.502  | 0.000000 | 0.000000 | -2.2673 | 2.2673 | -2.2673 | 2.2673 |
| 6836.466  | 0.000000 | 0.000000 | -2.3061 | 2.3061 | -2.3061 | 2.3061 |
| 7077.649  | 0.000000 | 0.000000 | -2.3463 | 2.3463 | -2.3463 | 2.3463 |
| 7326.505  | 0.000000 | 0.000000 | -2.3878 | 2.3878 | -2.3878 | 2.3878 |
| 7584.976  | 0.000000 | 0.000000 | -2.4308 | 2.4308 | -2.4308 | 2.4308 |
| 7852.564  | 0.000000 | 0.000000 | -2.4754 | 2.4754 | -2.4754 | 2.4754 |
| 8128.667  | 0.000000 | 0.000000 | -2.5429 | 2.5429 | -2.5429 | 2.5429 |
| 8415.437  | 0.000000 | 0.000000 | -2.6385 | 2.6385 | -2.6385 | 2.6385 |
| 8711.331  | 0.000000 | 0.000000 | -2.7371 | 2.7371 | -2.7371 | 2.7371 |
| 9018.656  | 0.000000 | 0.000000 | -2.8396 | 2.8396 | -2.8396 | 2.8396 |
| 9336.824  | 0.000000 | 0.000000 | -2.9456 | 2.9456 | -2.9456 | 2.9456 |
| 9665.114  | 0.000000 | 0.000000 | -3.0550 | 3.0550 | -3.0550 | 3.0550 |
| 10006.089 | 0.000000 | 0.000000 | -3.1687 | 3.1687 | -3.1687 | 3.1687 |
| 10359.092 | 0.000000 | 0.000000 | -3.2864 | 3.2864 | -3.2864 | 3.2864 |
| 10723.326 | 0.000000 | 0.000000 | -3.4078 | 3.4078 | -3.4078 | 3.4078 |
| 11101.633 | 0.000000 | 0.000000 | -3.5339 | 3.5339 | -3.5339 | 3.5339 |
| 11493.285 | 0.000000 | 0.000000 | -3.6644 | 3.6644 | -3.6644 | 3.6644 |
| 11897.398 | 0.000000 | 0.000000 | -3.7991 | 3.7991 | -3.7991 | 3.7991 |
| 12317.125 | 0.000000 | 0.000000 | -3.9390 | 3.9390 | -3.9390 | 3.9390 |

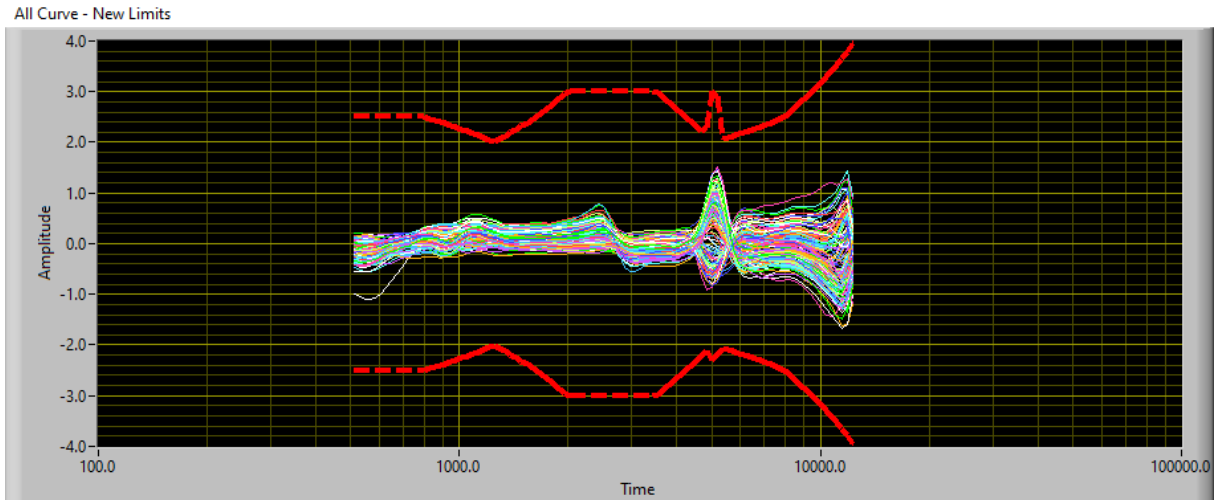


Figure2 All Curve - New Limits

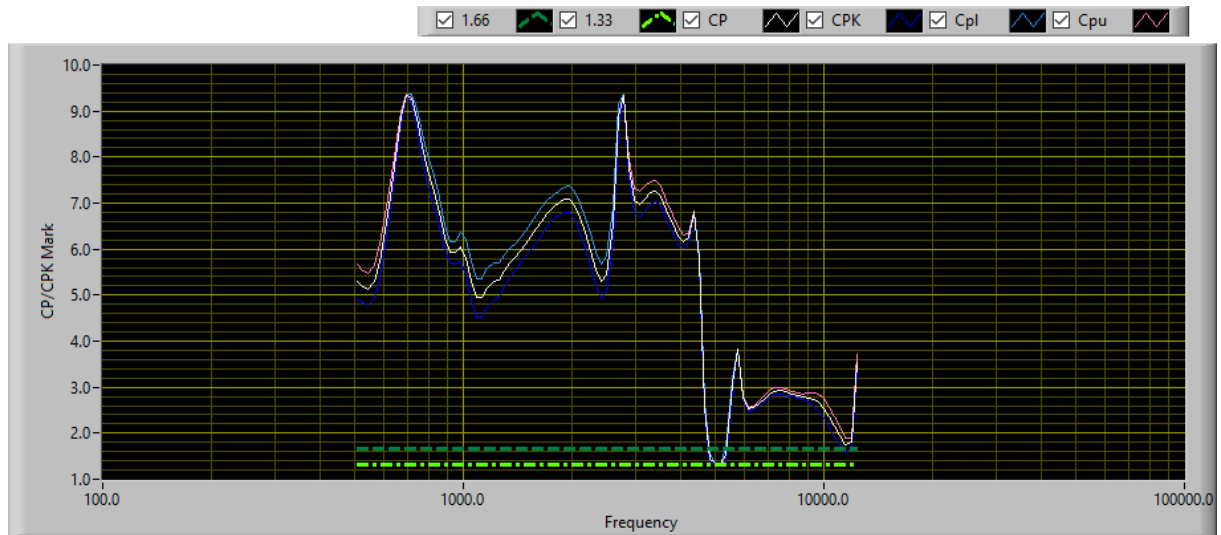


Figure3 CP/CPK - New Limits

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 509.1760  | -2.5000    | 2.5000     | 5.2919 | 4.9064 | 4.9064 | 5.6775 |
| 527.1390  | -2.5000    | 2.5000     | 5.1798 | 4.8256 | 4.8256 | 5.5341 |
| 545.6740  | -2.5000    | 2.5000     | 5.1275 | 4.7767 | 4.7767 | 5.4783 |
| 564.9250  | -2.5000    | 2.5000     | 5.2965 | 4.9365 | 4.9365 | 5.6566 |
| 584.8550  | -2.5000    | 2.5000     | 5.7291 | 5.3634 | 5.3634 | 6.0948 |
| 605.4190  | -2.5000    | 2.5000     | 6.3841 | 6.0391 | 6.0391 | 6.7292 |
| 626.7770  | -2.5000    | 2.5000     | 7.1578 | 6.8700 | 6.8700 | 7.4456 |
| 648.8890  | -2.5000    | 2.5000     | 8.0095 | 7.8003 | 7.8003 | 8.2187 |
| 671.7050  | -2.5000    | 2.5000     | 8.8657 | 8.7440 | 8.7440 | 8.9875 |
| 695.4020  | -2.5000    | 2.5000     | 9.3477 | 9.3259 | 9.3259 | 9.3695 |
| 719.9350  | -2.5000    | 2.5000     | 9.2739 | 9.1873 | 9.3605 | 9.1873 |
| 745.2480  | -2.5000    | 2.5000     | 8.8489 | 8.6519 | 9.0459 | 8.6519 |
| 771.5400  | -2.5000    | 2.5000     | 8.2452 | 7.9625 | 8.5280 | 7.9625 |
| 798.6670  | -2.5000    | 2.5000     | 7.7110 | 7.3778 | 8.0443 | 7.3778 |

|           |         |        |        |        |        |        |
|-----------|---------|--------|--------|--------|--------|--------|
| 826.8440  | -2.4702 | 2.4702 | 7.2561 | 6.9131 | 7.5990 | 6.9131 |
| 856.0140  | -2.4378 | 2.4378 | 6.8001 | 6.4895 | 7.1107 | 6.4895 |
| 886.1120  | -2.4043 | 2.4043 | 6.2612 | 6.0002 | 6.5223 | 6.0002 |
| 917.3730  | -2.3696 | 2.3696 | 5.9281 | 5.6941 | 6.1621 | 5.6941 |
| 949.7370  | -2.3336 | 2.3336 | 5.9205 | 5.6670 | 6.1740 | 5.6670 |
| 983.1300  | -2.2965 | 2.2965 | 6.0414 | 5.7214 | 6.3613 | 5.7214 |
| 1017.8140 | -2.2580 | 2.2580 | 5.8251 | 5.4291 | 6.2211 | 5.4291 |
| 1053.7210 | -2.2181 | 2.2181 | 5.2885 | 4.8575 | 5.7195 | 4.8575 |
| 1090.7710 | -2.1769 | 2.1769 | 4.9406 | 4.5128 | 5.3683 | 4.5128 |
| 1129.2520 | -2.1342 | 2.1342 | 4.9424 | 4.5208 | 5.3641 | 4.5208 |
| 1168.9570 | -2.0900 | 2.0900 | 5.1669 | 4.7499 | 5.5838 | 4.7499 |
| 1210.1970 | -2.0442 | 2.0442 | 5.3080 | 4.9024 | 5.7135 | 4.9024 |
| 1252.8910 | -2.0039 | 2.0039 | 5.3239 | 4.9426 | 5.7051 | 4.9426 |
| 1296.9440 | -2.0626 | 2.0626 | 5.5337 | 5.1875 | 5.8799 | 5.1875 |
| 1342.6980 | -2.1236 | 2.1236 | 5.6926 | 5.3781 | 6.0071 | 5.3781 |
| 1390.0670 | -2.1868 | 2.1868 | 5.8271 | 5.5367 | 6.1174 | 5.5367 |
| 1438.9430 | -2.2519 | 2.2519 | 5.9639 | 5.6880 | 6.2397 | 5.6880 |
| 1489.7080 | -2.3196 | 2.3196 | 6.1147 | 5.8434 | 6.3860 | 5.8434 |
| 1542.2630 | -2.3897 | 2.3897 | 6.2826 | 6.0003 | 6.5649 | 6.0003 |
| 1596.4900 | -2.4620 | 2.4620 | 6.4484 | 6.1489 | 6.7478 | 6.1489 |
| 1652.8120 | -2.5371 | 2.5371 | 6.6032 | 6.3016 | 6.9049 | 6.3016 |
| 1711.1220 | -2.6148 | 2.6148 | 6.7610 | 6.4695 | 7.0525 | 6.4695 |
| 1771.2860 | -2.6950 | 2.6950 | 6.9109 | 6.6414 | 7.1804 | 6.6414 |
| 1833.7750 | -2.7784 | 2.7784 | 7.0035 | 6.7392 | 7.2677 | 6.7392 |
| 1898.2520 | -2.8643 | 2.8643 | 7.0748 | 6.8017 | 7.3480 | 6.8017 |
| 1965.2200 | -2.9536 | 2.9536 | 7.0797 | 6.7922 | 7.3672 | 6.7922 |
| 2034.5510 | -3.0000 | 3.0000 | 6.9551 | 6.6517 | 7.2584 | 6.6517 |
| 2106.0870 | -3.0000 | 3.0000 | 6.6847 | 6.3668 | 7.0026 | 6.3668 |
| 2180.3870 | -3.0000 | 3.0000 | 6.3572 | 6.0245 | 6.6898 | 6.0245 |
| 2257.3090 | -3.0000 | 3.0000 | 5.9744 | 5.6254 | 6.3234 | 5.6254 |
| 2336.6780 | -3.0000 | 3.0000 | 5.5713 | 5.2052 | 5.9374 | 5.2052 |
| 2419.1130 | -3.0000 | 3.0000 | 5.2884 | 4.9100 | 5.6669 | 4.9100 |
| 2504.4570 | -3.0000 | 3.0000 | 5.4477 | 5.0607 | 5.8348 | 5.0607 |
| 2592.5150 | -3.0000 | 3.0000 | 6.5456 | 6.1678 | 6.9235 | 6.1678 |
| 2683.9760 | -3.0000 | 3.0000 | 8.8675 | 8.5837 | 9.1512 | 8.5837 |
| 2778.3470 | -3.0000 | 3.0000 | 9.3473 | 9.3358 | 9.3588 | 9.3358 |
| 2876.3640 | -3.0000 | 3.0000 | 7.7733 | 7.5877 | 7.5877 | 7.9588 |
| 2977.8390 | -3.0000 | 3.0000 | 7.0568 | 6.7976 | 6.7976 | 7.3159 |
| 3082.5420 | -3.0000 | 3.0000 | 6.9749 | 6.6959 | 6.6959 | 7.2538 |
| 3191.2910 | -3.0000 | 3.0000 | 7.0966 | 6.8247 | 6.8247 | 7.3685 |
| 3303.8760 | -3.0000 | 3.0000 | 7.2166 | 6.9613 | 6.9613 | 7.4719 |
| 3420.0420 | -3.0000 | 3.0000 | 7.2625 | 7.0274 | 7.0274 | 7.4976 |
| 3540.6980 | -2.9729 | 2.9729 | 7.1573 | 6.9453 | 6.9453 | 7.3694 |
| 3665.6090 | -2.8896 | 2.8896 | 6.8634 | 6.6672 | 6.6672 | 7.0596 |
| 3794.4950 | -2.8037 | 2.8037 | 6.5569 | 6.3730 | 6.3730 | 6.7409 |
| 3928.3610 | -2.7144 | 2.7144 | 6.2924 | 6.1176 | 6.1176 | 6.4671 |

|                |         |        |        |        |        |        |
|----------------|---------|--------|--------|--------|--------|--------|
| 4066.4850      | -2.6223 | 2.6223 | 6.1657 | 6.0166 | 6.0166 | 6.3149 |
| 4209.9460      | -2.5267 | 2.5267 | 6.2501 | 6.1680 | 6.1680 | 6.3321 |
| 4358.4680      | -2.4277 | 2.4277 | 6.7928 | 6.7550 | 6.7550 | 6.8307 |
| 4511.7150      | -2.3255 | 2.3255 | 5.7905 | 5.7188 | 5.8623 | 5.7188 |
| 4670.8830      | -2.2194 | 2.2194 | 2.5824 | 2.4616 | 2.7032 | 2.4616 |
| 4835.6670      | -2.1096 | 2.3000 | 1.4460 | 1.3550 | 1.5370 | 1.3550 |
| 5005.6920      | -2.3000 | 3.0000 | 1.3459 | 1.3395 | 1.3395 | 1.3523 |
| 5182.2880      | -2.2000 | 2.9000 | 1.3396 | 1.3314 | 1.3314 | 1.3479 |
| 5365.1130      | -2.0609 | 2.0609 | 1.5268 | 1.3632 | 1.6903 | 1.3632 |
| 5553.7540      | -2.0923 | 2.0923 | 3.0694 | 2.9440 | 3.1949 | 2.9440 |
| 5749.6850      | -2.1249 | 2.1249 | 3.8255 | 3.8244 | 3.8265 | 3.8244 |
| 5951.8480      | -2.1586 | 2.1586 | 2.7860 | 2.7468 | 2.7468 | 2.8253 |
| 6161.8220      | -2.1936 | 2.1936 | 2.5165 | 2.4803 | 2.4803 | 2.5527 |
| 6379.2050      | -2.2299 | 2.2299 | 2.5457 | 2.4981 | 2.4981 | 2.5933 |
| 6603.5020      | -2.2673 | 2.2673 | 2.6401 | 2.5827 | 2.5827 | 2.6976 |
| 6836.4660      | -2.3061 | 2.3061 | 2.7363 | 2.6648 | 2.6648 | 2.8078 |
| 7077.6490      | -2.3463 | 2.3463 | 2.8449 | 2.7699 | 2.7699 | 2.9198 |
| 7326.5050      | -2.3878 | 2.3878 | 2.9178 | 2.8419 | 2.8419 | 2.9936 |
| 7584.9760      | -2.4308 | 2.4308 | 2.9301 | 2.8592 | 2.8592 | 3.0011 |
| 7852.5640      | -2.4754 | 2.4754 | 2.8936 | 2.8305 | 2.8305 | 2.9566 |
| 8128.6670      | -2.5429 | 2.5429 | 2.8498 | 2.7992 | 2.7992 | 2.9005 |
| 8415.4370      | -2.6385 | 2.6385 | 2.8173 | 2.7688 | 2.7688 | 2.8658 |
| 8711.3310      | -2.7371 | 2.7371 | 2.7894 | 2.7209 | 2.7209 | 2.8578 |
| 9018.6560      | -2.8396 | 2.8396 | 2.7624 | 2.6587 | 2.6587 | 2.8662 |
| 9336.8240      | -2.9456 | 2.9456 | 2.7325 | 2.5862 | 2.5862 | 2.8787 |
| 9665.1140      | -3.0550 | 3.0550 | 2.6623 | 2.4787 | 2.4787 | 2.8459 |
| 10006.089<br>0 | -3.1687 | 3.1687 | 2.5343 | 2.3227 | 2.3227 | 2.7459 |
| 10359.092<br>0 | -3.2864 | 3.2864 | 2.3515 | 2.1319 | 2.1319 | 2.5711 |
| 10723.326<br>0 | -3.4078 | 3.4078 | 2.1443 | 1.9262 | 1.9262 | 2.3623 |
| 11101.633<br>0 | -3.5339 | 3.5339 | 1.9488 | 1.7397 | 1.7397 | 2.1580 |
| 11493.285<br>0 | -3.6644 | 3.6644 | 1.7384 | 1.5707 | 1.5707 | 1.9060 |
| 11897.398<br>0 | -3.7991 | 3.7991 | 1.7981 | 1.6899 | 1.6899 | 1.9064 |
| 12317.125<br>0 | -3.9390 | 3.9390 | 3.5516 | 3.3788 | 3.3788 | 3.7245 |

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 509.1760  | -2.5000    | 2.5000     | 5.2919 | 4.9064 | 4.9064 | 5.6775 |

Distribution Chart 2

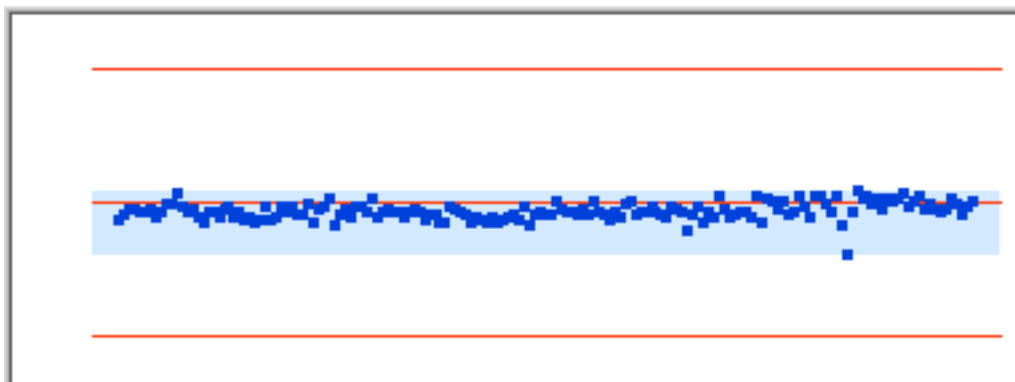


Figure4 Distribution 509.1760Hz

Bar Chart 2

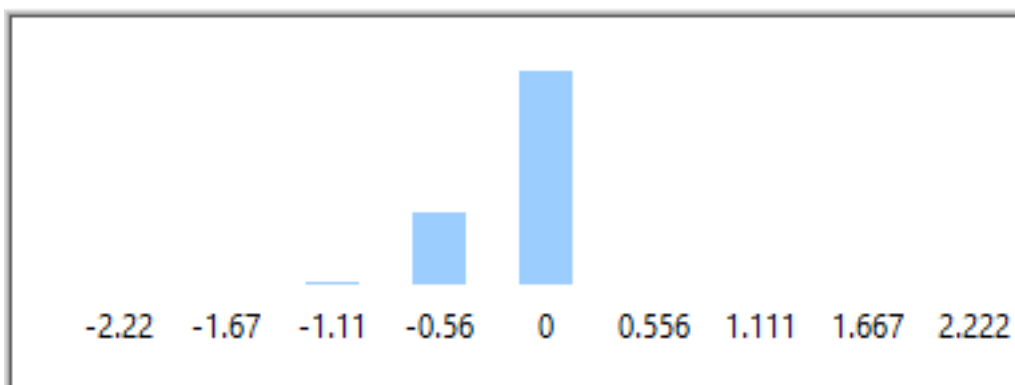


Figure5 Bar Chart 509.1760Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 527.1390  | -2.5000    | 2.5000     | 5.1798 | 4.8256 | 4.8256 | 5.5341 |

Distribution Chart 2

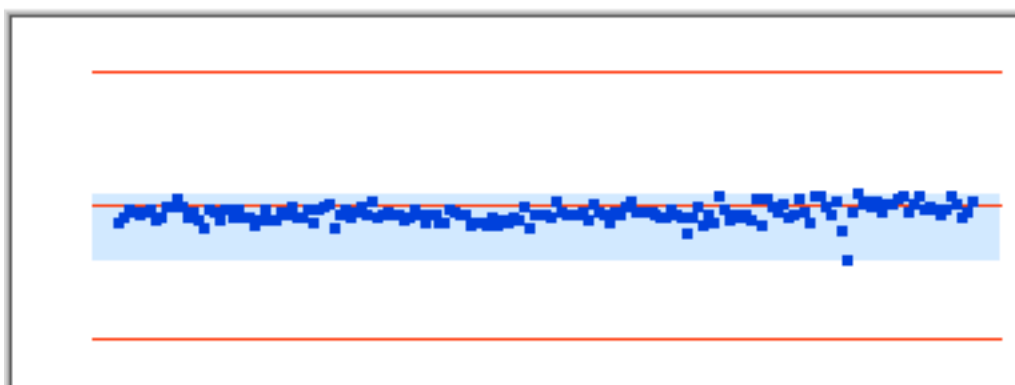


Figure6 Distribution 527.1390Hz



Bar Chart 2

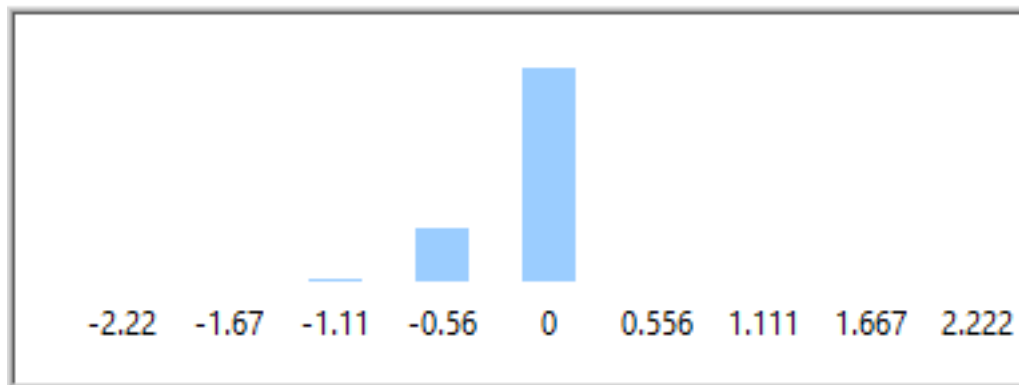


Figure7 Bar Chart 527.1390Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 545.6740  | -2.5000    | 2.5000     | 5.1275 | 4.7767 | 4.7767 | 5.4783 |

Distribution Chart 2

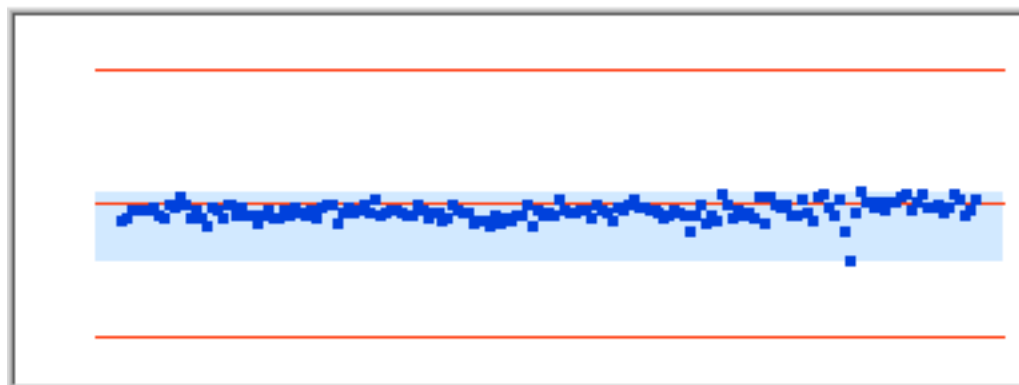


Figure8 Distribution 545.6740Hz

Bar Chart 2

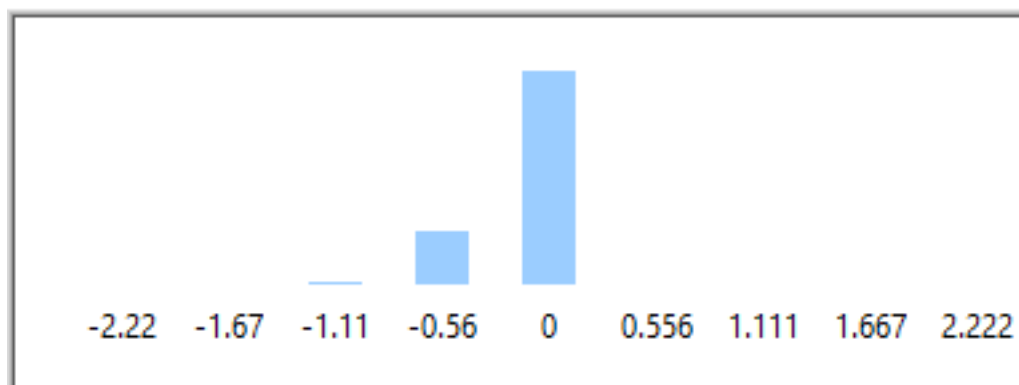


Figure9 Bar Chart 545.6740Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 564.9250  | -2.5000    | 2.5000     | 5.2965 | 4.9365 | 4.9365 | 5.6566 |

Distribution Chart 2

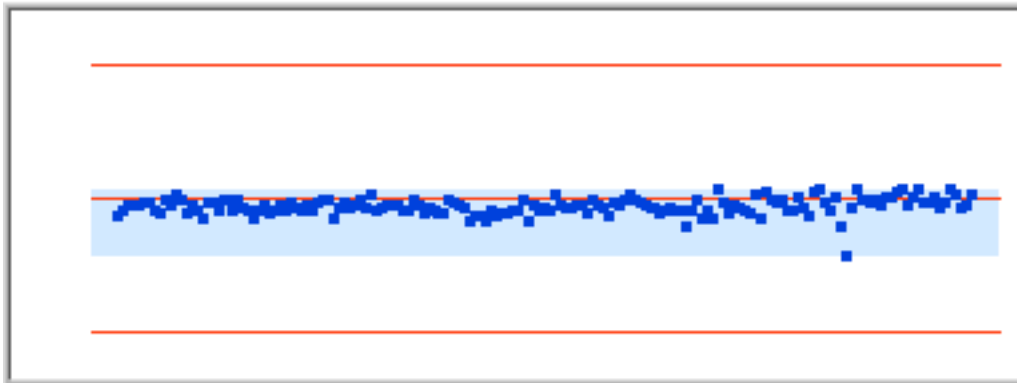


Figure10 Distribution 564.9250Hz

Bar Chart 2

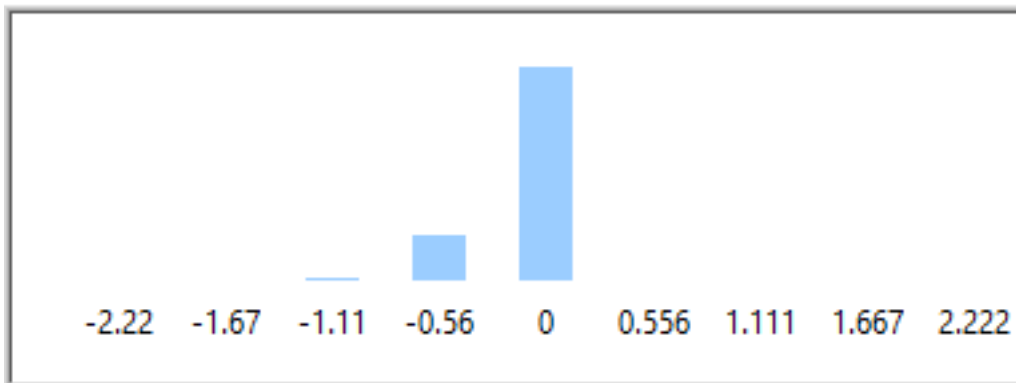


Figure11 Bar Chart 564.9250Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 584.8550  | -2.5000    | 2.5000     | 5.7291 | 5.3634 | 5.3634 | 6.0948 |

Distribution Chart 2

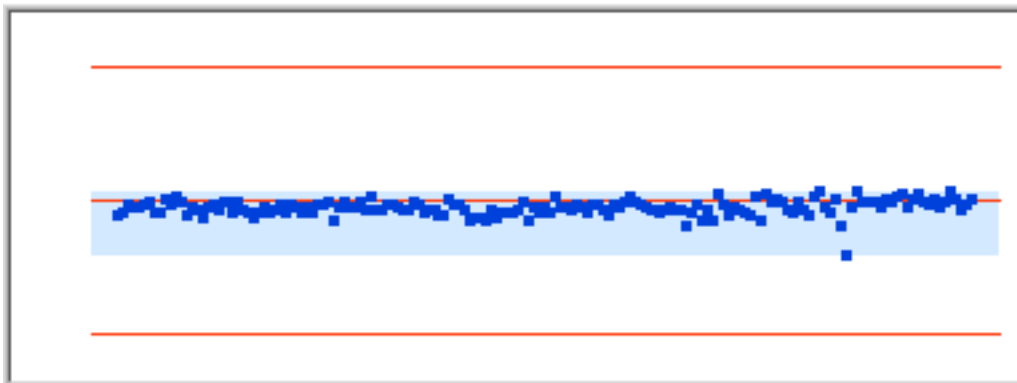


Figure12 Distribution 584.8550Hz

Bar Chart 2

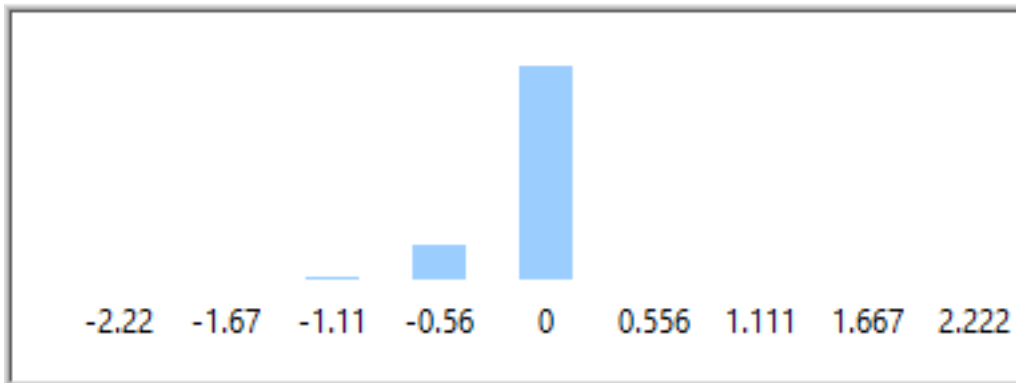


Figure13 Bar Chart 584.8550Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 605.4190  | -2.5000    | 2.5000     | 6.3841 | 6.0391 | 6.0391 | 6.7292 |

Distribution Chart 2

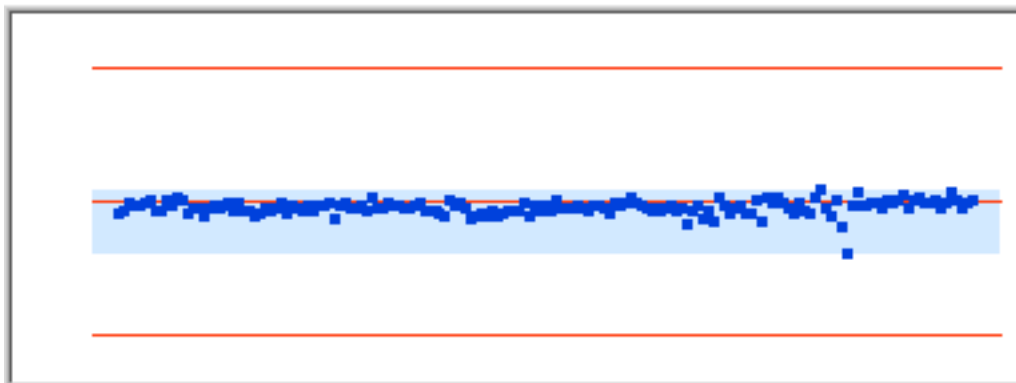


Figure14 Distribution 605.4190Hz

Bar Chart 2

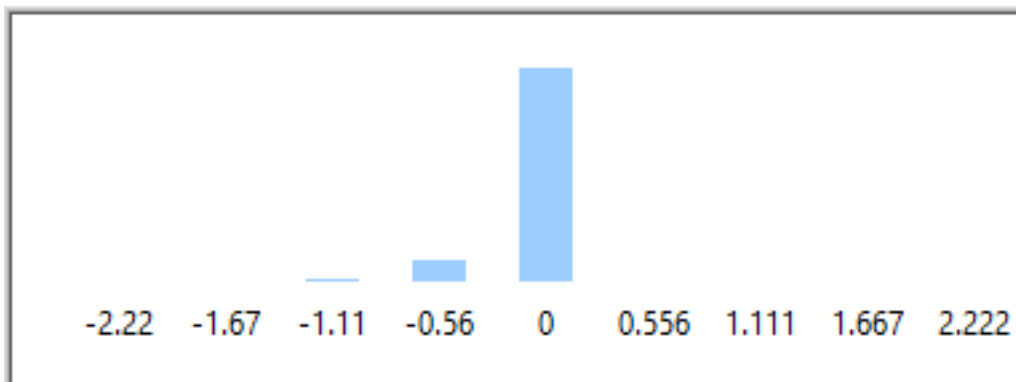


Figure15 Bar Chart 605.4190Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 626.7770  | -2.5000    | 2.5000     | 7.1578 | 6.8700 | 6.8700 | 7.4456 |

Distribution Chart 2

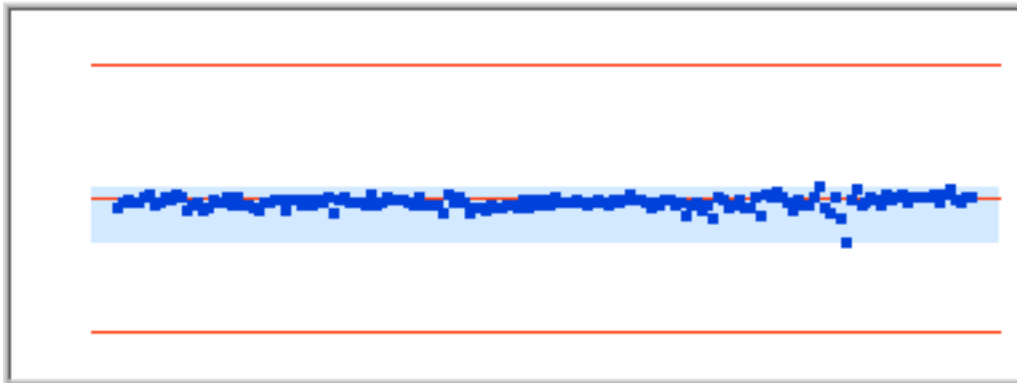


Figure16 Distribution 626.7770Hz

Bar Chart 2

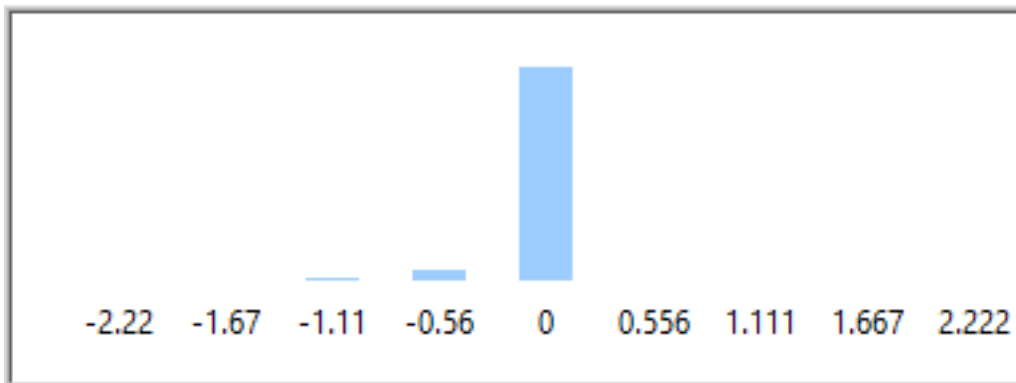


Figure17 Bar Chart 626.7770Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 648.8890  | -2.5000    | 2.5000     | 8.0095 | 7.8003 | 7.8003 | 8.2187 |

Distribution Chart 2

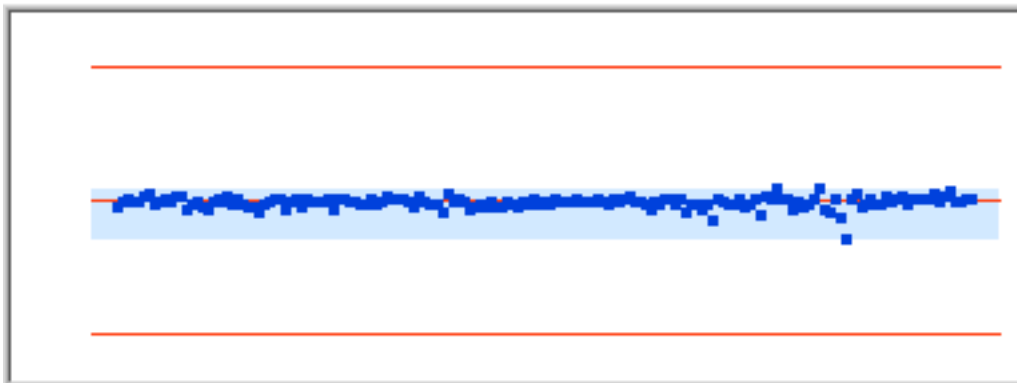


Figure18 Distribution 648.8890Hz

Bar Chart 2

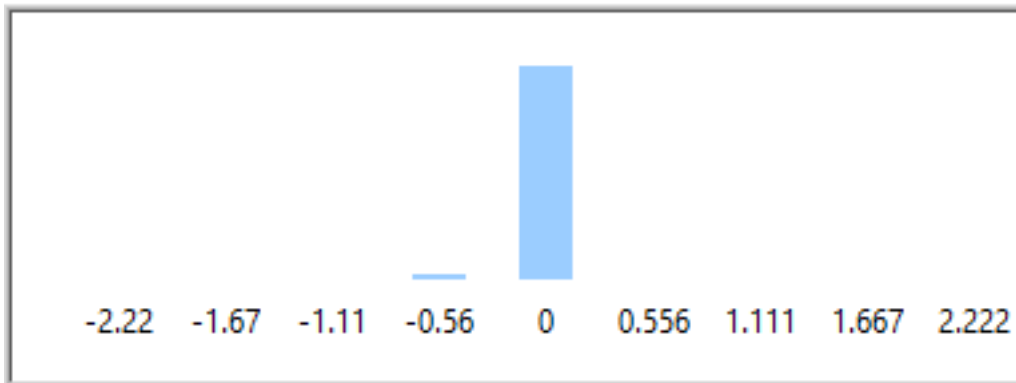


Figure19 Bar Chart 648.8890Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 671.7050  | -2.5000    | 2.5000     | 8.8657 | 8.7440 | 8.7440 | 8.9875 |

Distribution Chart 2

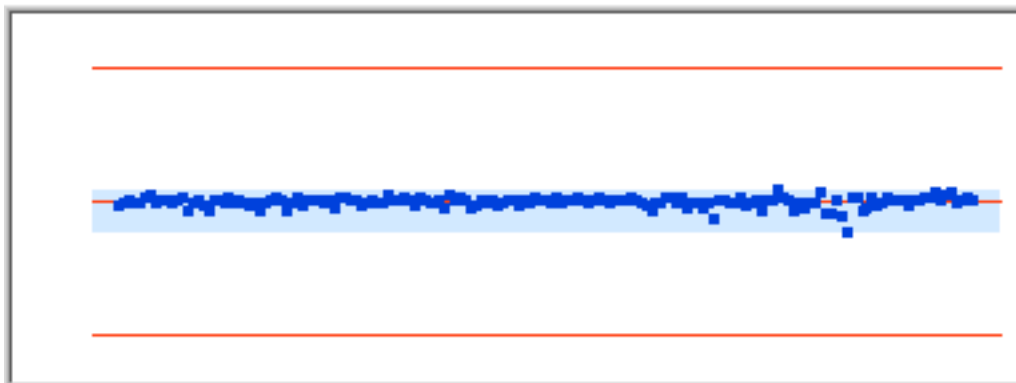


Figure20 Distribution 671.7050Hz

Bar Chart 2

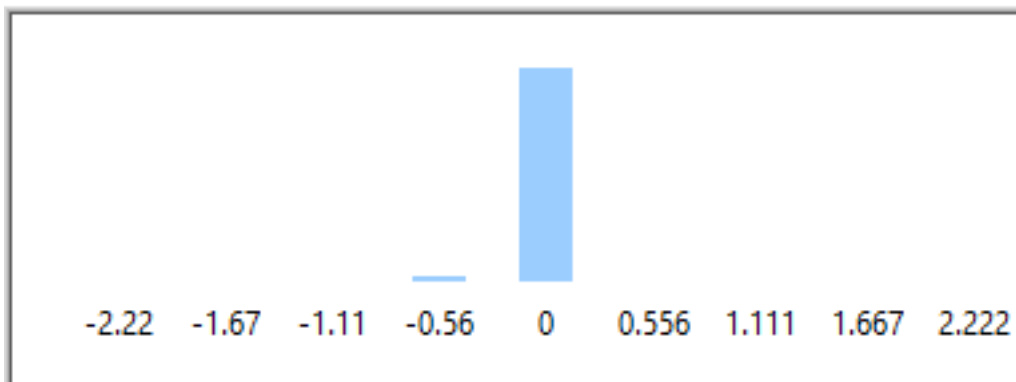


Figure21 Bar Chart 671.7050Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 695.4020  | -2.5000    | 2.5000     | 9.3477 | 9.3259 | 9.3259 | 9.3695 |

Distribution Chart 2

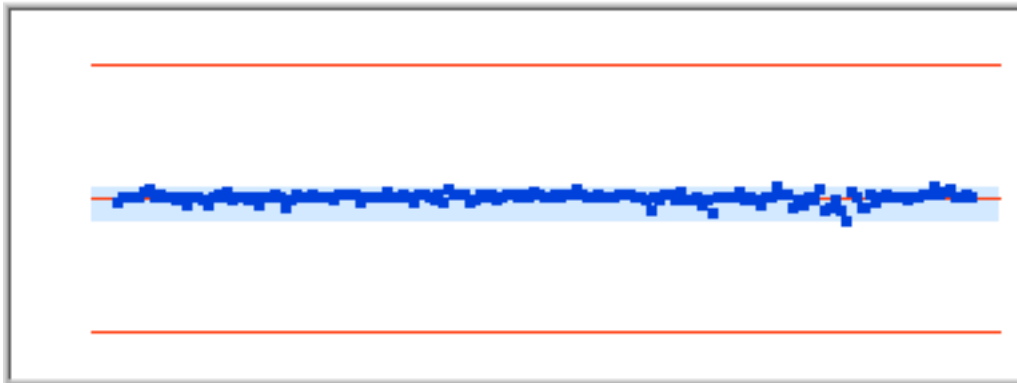


Figure22 Distribution 695.4020Hz

Bar Chart 2

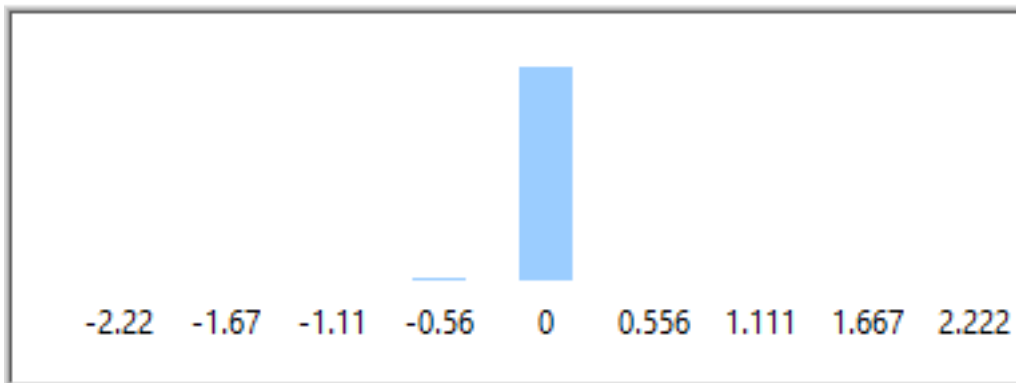


Figure23 Bar Chart 695.4020Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 719.9350  | -2.5000    | 2.5000     | 9.2739 | 9.1873 | 9.3605 | 9.1873 |

Distribution Chart 2

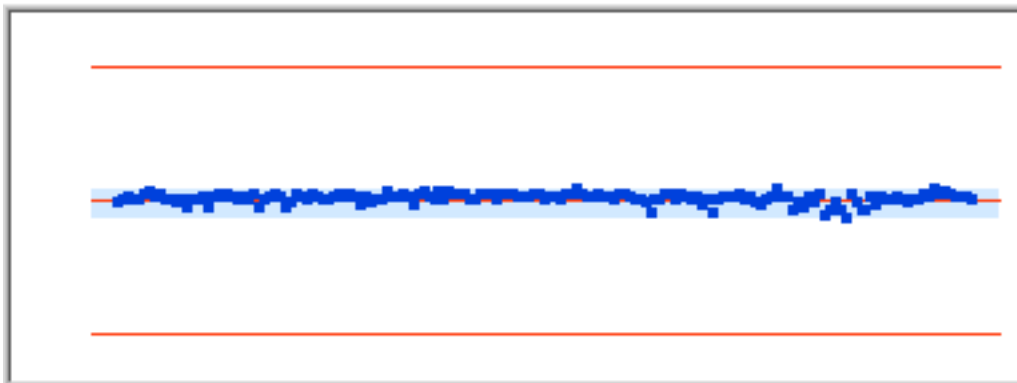


Figure24 Distribution 719.9350Hz

Bar Chart 2

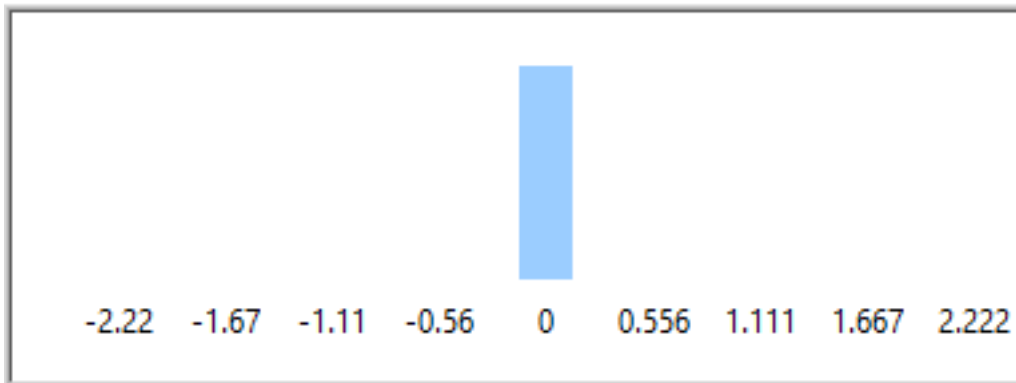


Figure25 Bar Chart 719.9350Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 745.2480  | -2.5000    | 2.5000     | 8.8489 | 8.6519 | 9.0459 | 8.6519 |

Distribution Chart 2

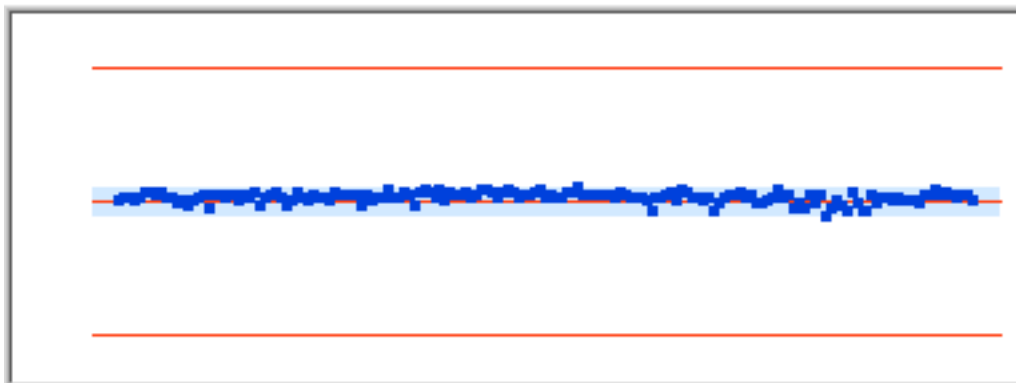


Figure26 Distribution 745.2480Hz

Bar Chart 2

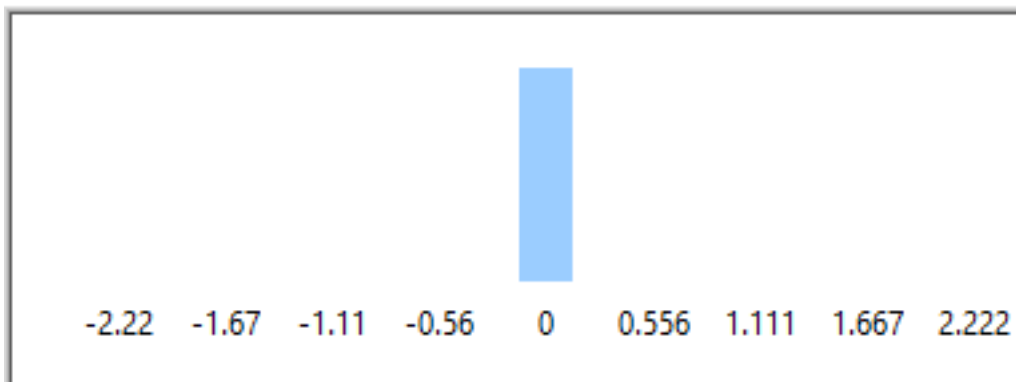


Figure27 Bar Chart 745.2480Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 771.5400  | -2.5000    | 2.5000     | 8.2452 | 7.9625 | 8.5280 | 7.9625 |

Distribution Chart 2

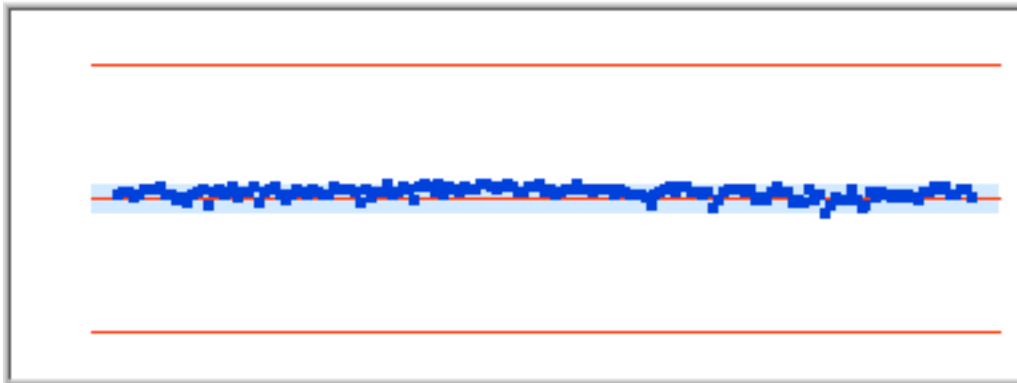


Figure28 Distribution 771.5400Hz

Bar Chart 2

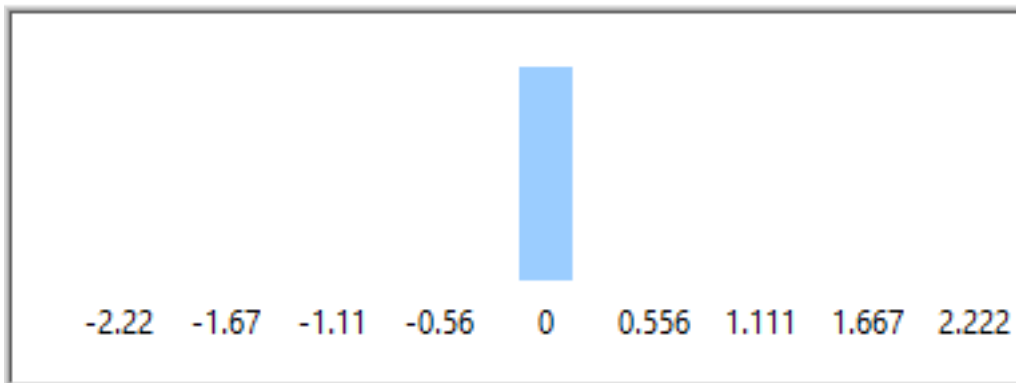


Figure29 Bar Chart 771.5400Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 798.6670  | -2.5000    | 2.5000     | 7.7110 | 7.3778 | 8.0443 | 7.3778 |

Distribution Chart 2

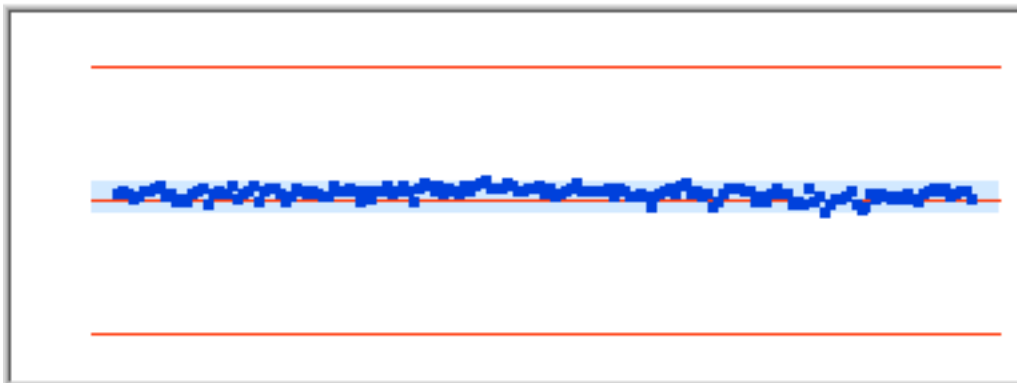


Figure30 Distribution 798.6670Hz



Bar Chart 2

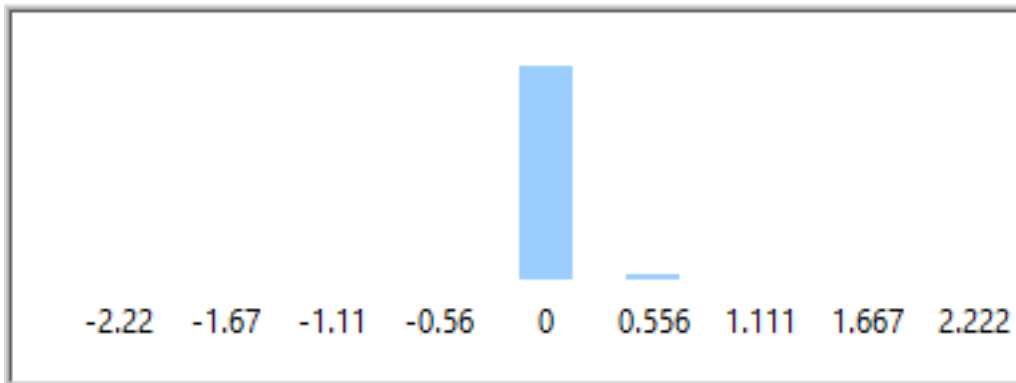


Figure31 Bar Chart 798.6670Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 826.8440  | -2.4702    | 2.4702     | 7.2561 | 6.9131 | 7.5990 | 6.9131 |

Distribution Chart 2

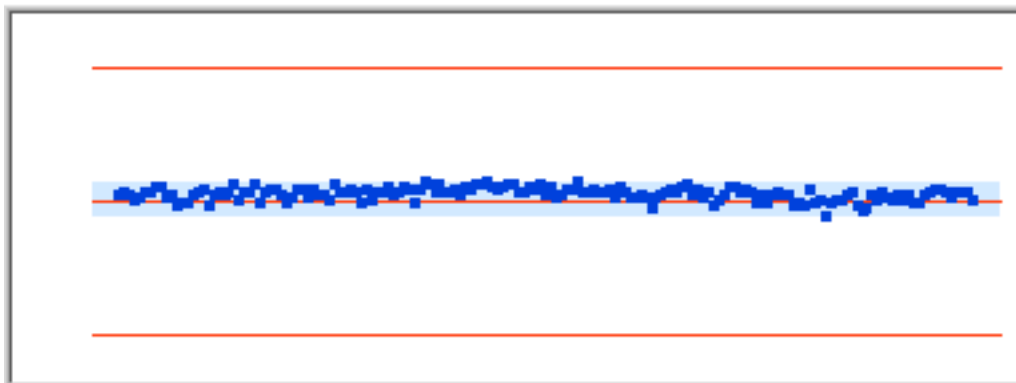


Figure32 Distribution 826.8440Hz

Bar Chart 2

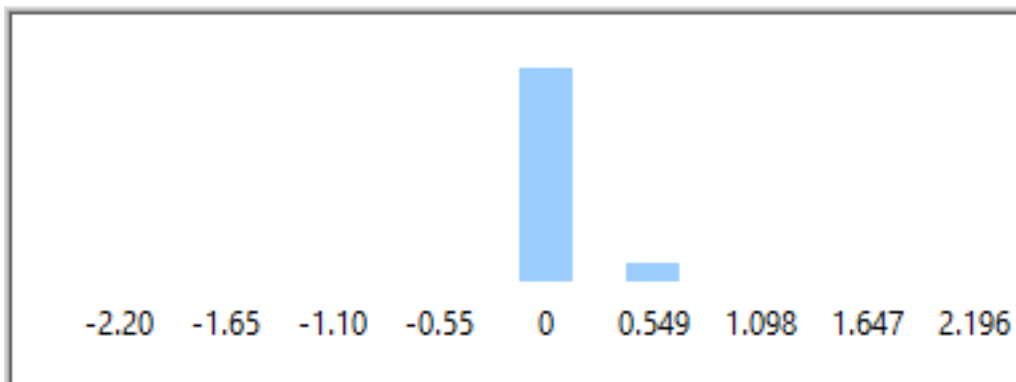


Figure33 Bar Chart 826.8440Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 856.0140  | -2.4378    | 2.4378     | 6.8001 | 6.4895 | 7.1107 | 6.4895 |

Distribution Chart 2

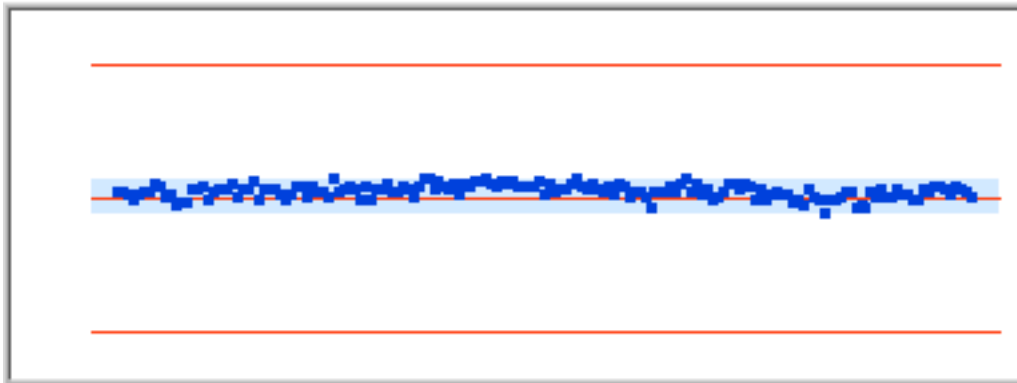


Figure34 Distribution 856.0140Hz

Bar Chart 2

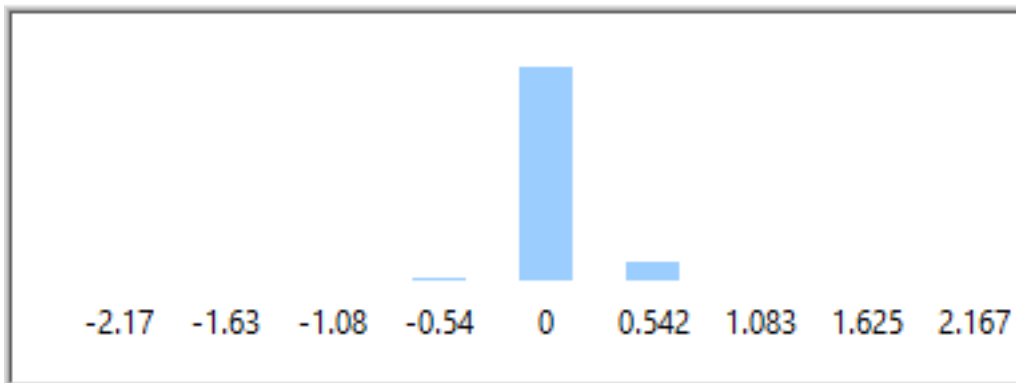


Figure35 Bar Chart 856.0140Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 886.1120  | -2.4043    | 2.4043     | 6.2612 | 6.0002 | 6.5223 | 6.0002 |

Distribution Chart 2

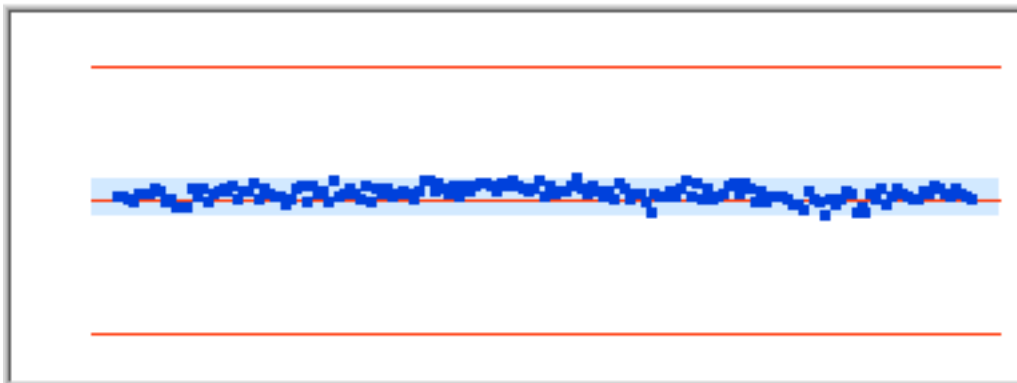


Figure36 Distribution 886.1120Hz

Bar Chart 2

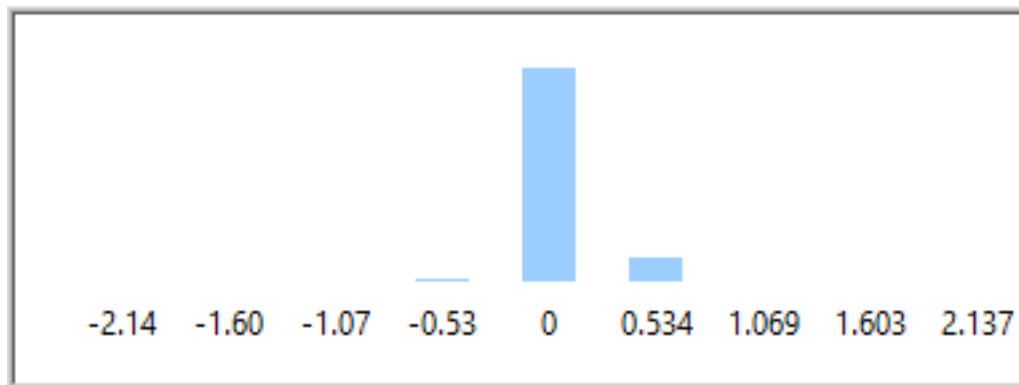


Figure37 Bar Chart 886.1120Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 917.3730  | -2.3696    | 2.3696     | 5.9281 | 5.6941 | 6.1621 | 5.6941 |

Distribution Chart 2

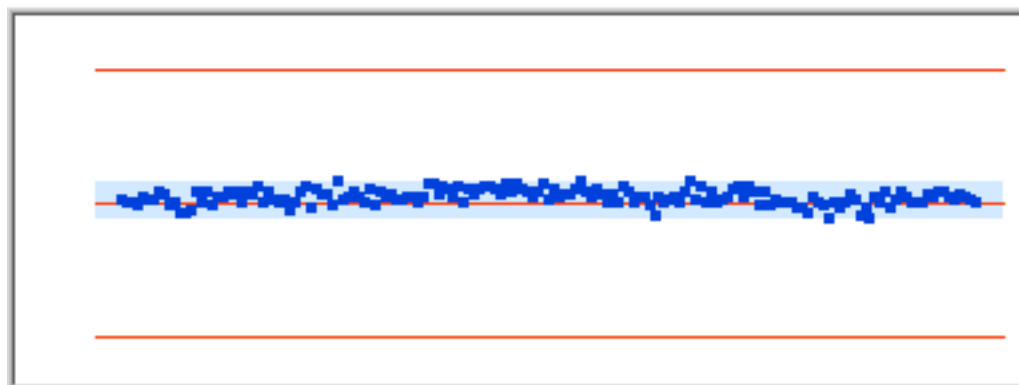


Figure38 Distribution 917.3730Hz

Bar Chart 2

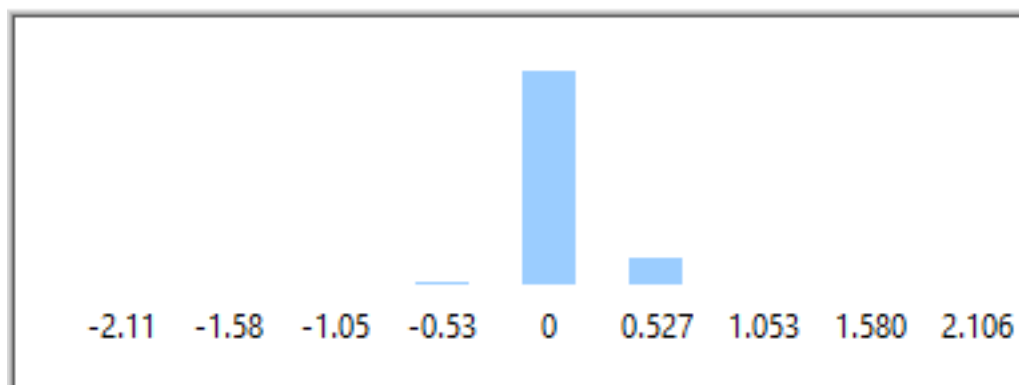


Figure39 Bar Chart 917.3730Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 949.7370  | -2.3336    | 2.3336     | 5.9205 | 5.6670 | 6.1740 | 5.6670 |

Distribution Chart 2

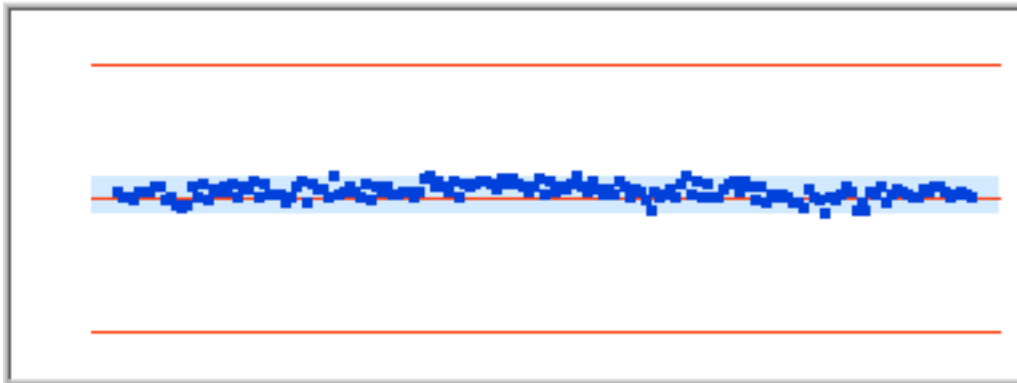


Figure40 Distribution 949.7370Hz

Bar Chart 2

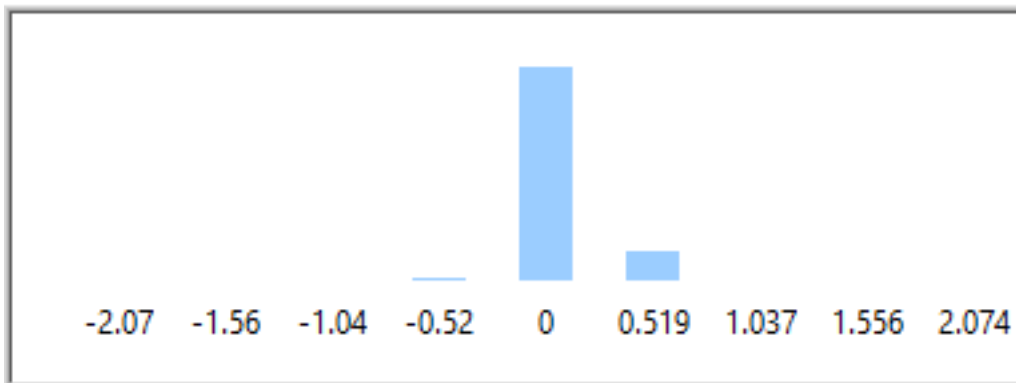


Figure41 Bar Chart 949.7370Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 983.1300  | -2.2965    | 2.2965     | 6.0414 | 5.7214 | 6.3613 | 5.7214 |

Distribution Chart 2

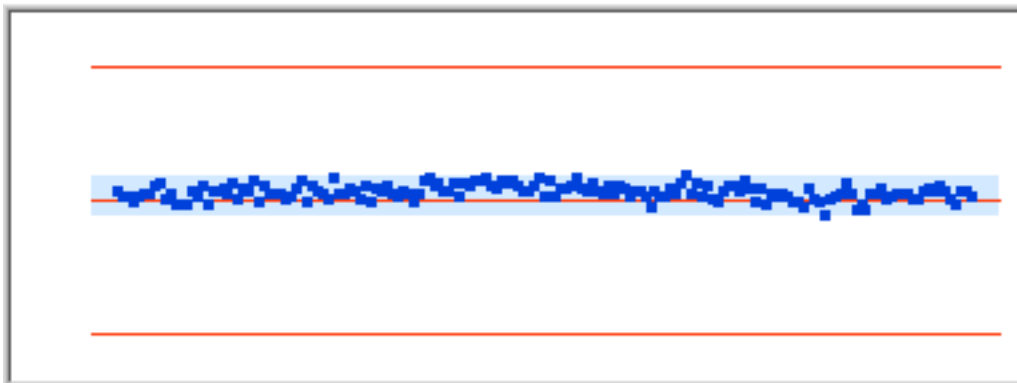


Figure42 Distribution 983.1300Hz

Bar Chart 2

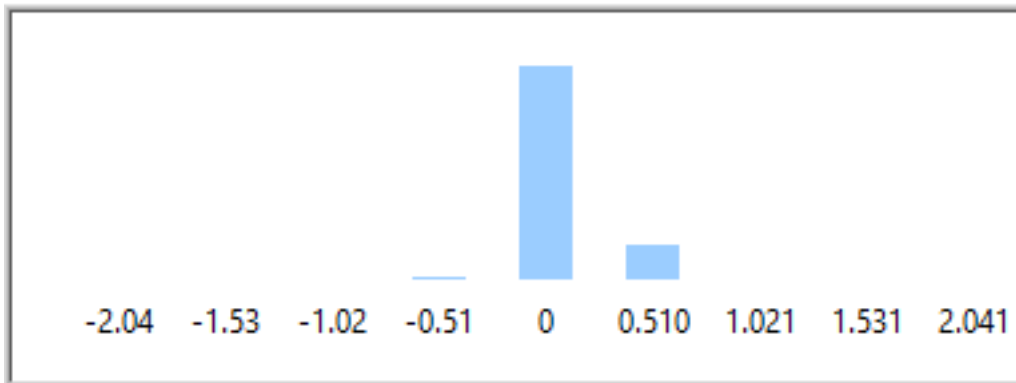


Figure43 Bar Chart 983.1300Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1017.8140 | -2.2580    | 2.2580     | 5.8251 | 5.4291 | 6.2211 | 5.4291 |

Distribution Chart 2

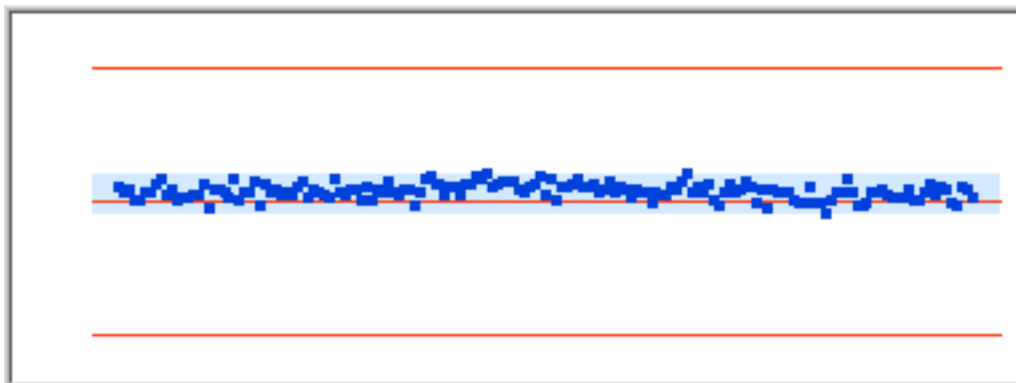


Figure44 Distribution 1017.8140Hz

Bar Chart 2

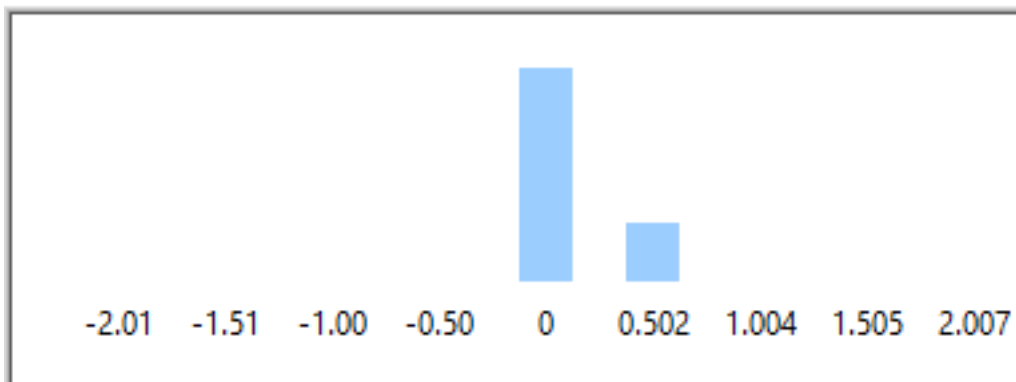


Figure45 Bar Chart 1017.8140Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1053.7210 | -2.2181    | 2.2181     | 5.2885 | 4.8575 | 5.7195 | 4.8575 |

Distribution Chart 2

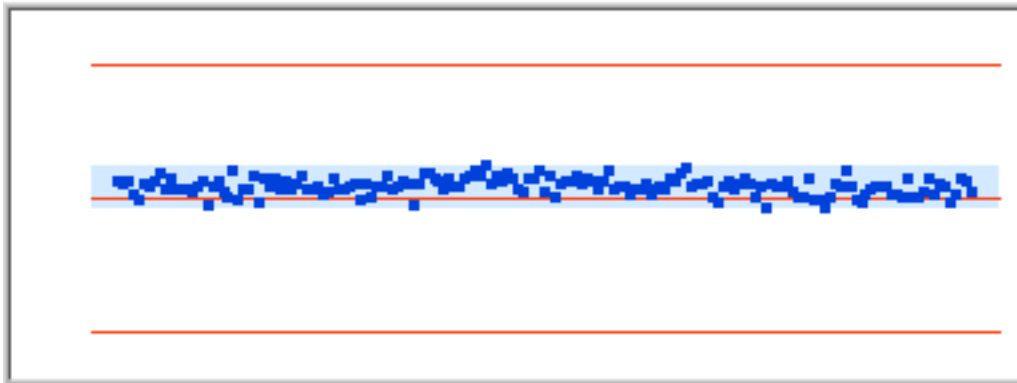


Figure46 Distribution 1053.7210Hz

Bar Chart 2

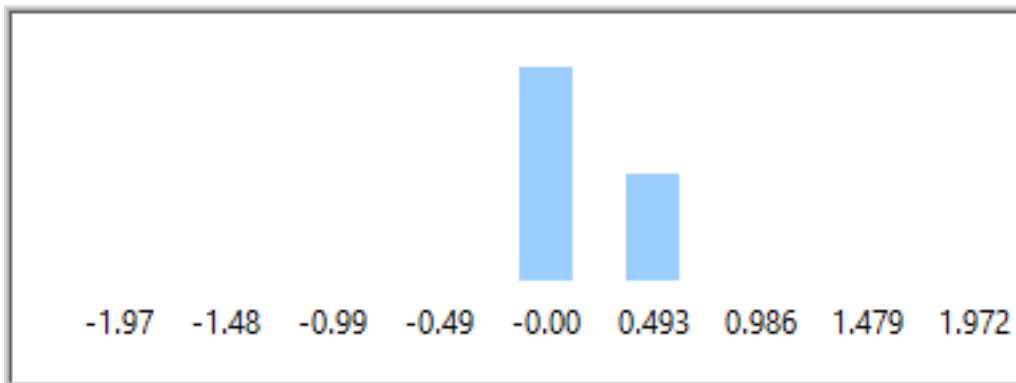


Figure47 Bar Chart 1053.7210Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1090.7710 | -2.1769    | 2.1769     | 4.9406 | 4.5128 | 5.3683 | 4.5128 |

Distribution Chart 2

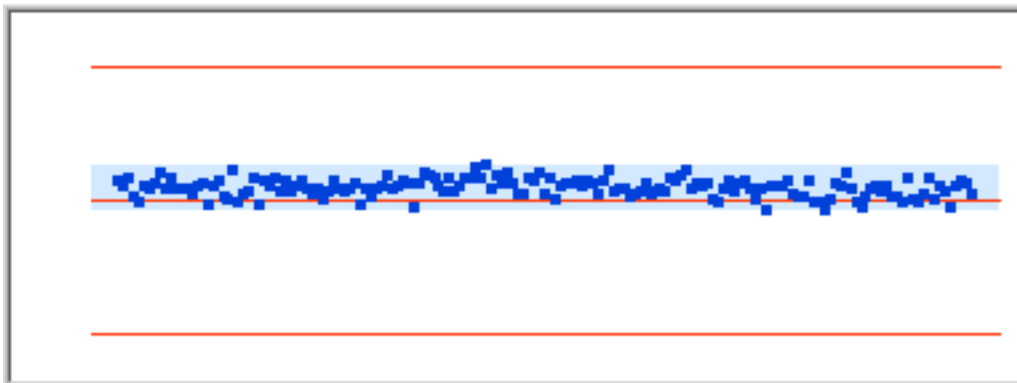


Figure48 Distribution 1090.7710Hz

Bar Chart 2

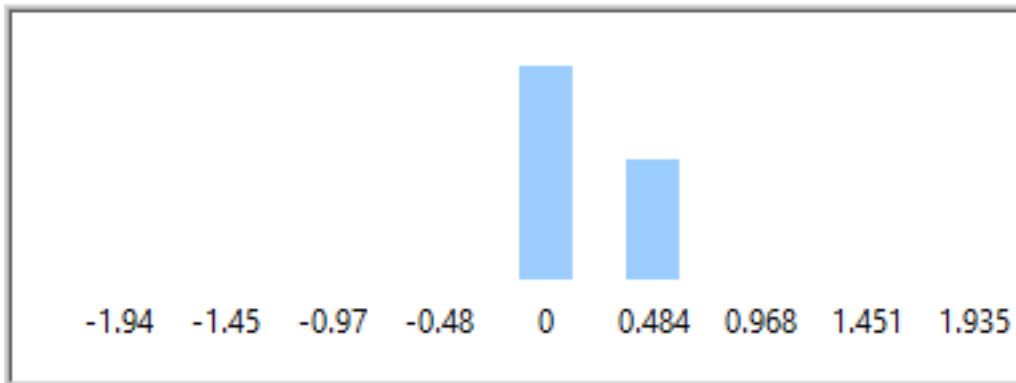


Figure49 Bar Chart 1090.7710Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1129.2520 | -2.1342    | 2.1342     | 4.9424 | 4.5208 | 5.3641 | 4.5208 |

Distribution Chart 2

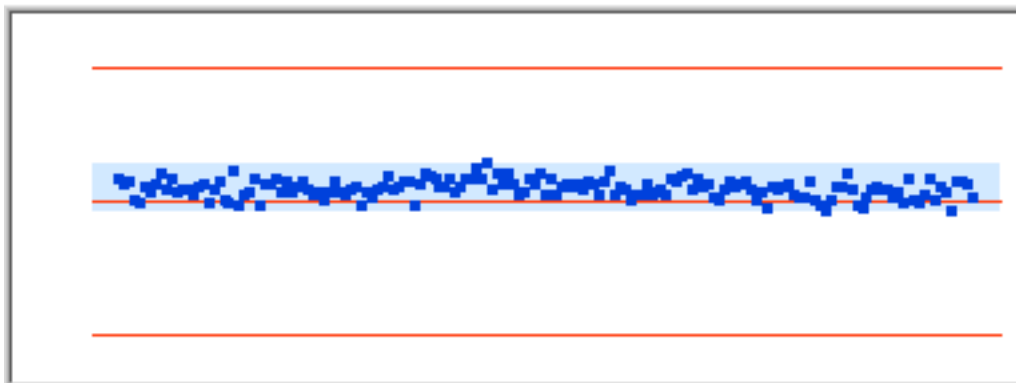


Figure50 Distribution 1129.2520Hz

Bar Chart 2

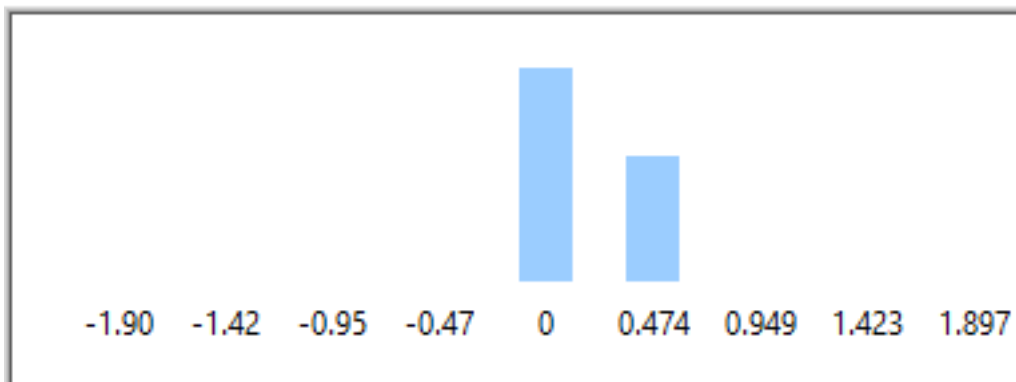


Figure51 Bar Chart 1129.2520Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1168.9570 | -2.0900    | 2.0900     | 5.1669 | 4.7499 | 5.5838 | 4.7499 |

Distribution Chart 2

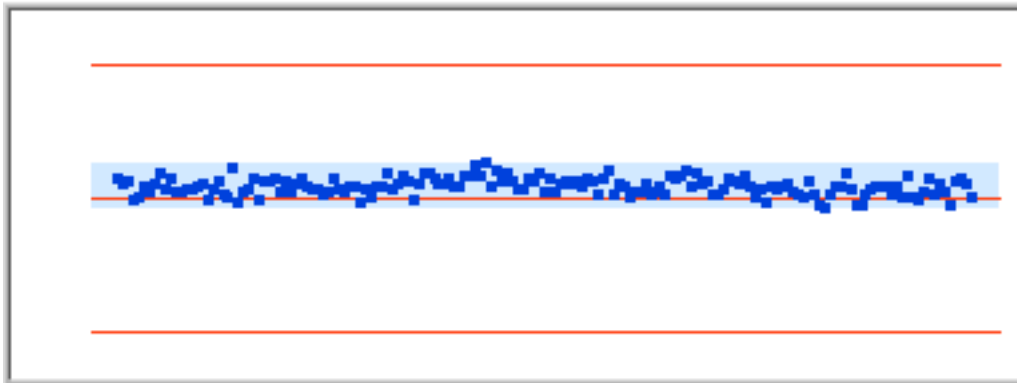


Figure52 Distribution 1168.9570Hz

Bar Chart 2

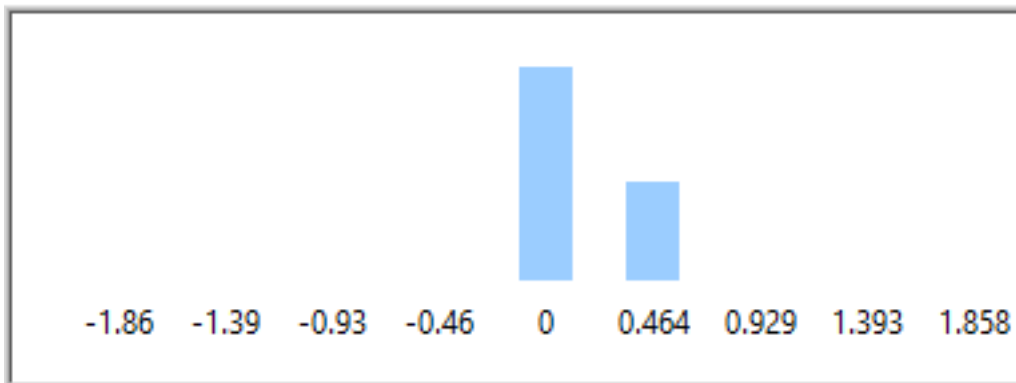


Figure53 Bar Chart 1168.9570Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1210.1970 | -2.0442    | 2.0442     | 5.3080 | 4.9024 | 5.7135 | 4.9024 |

Distribution Chart 2

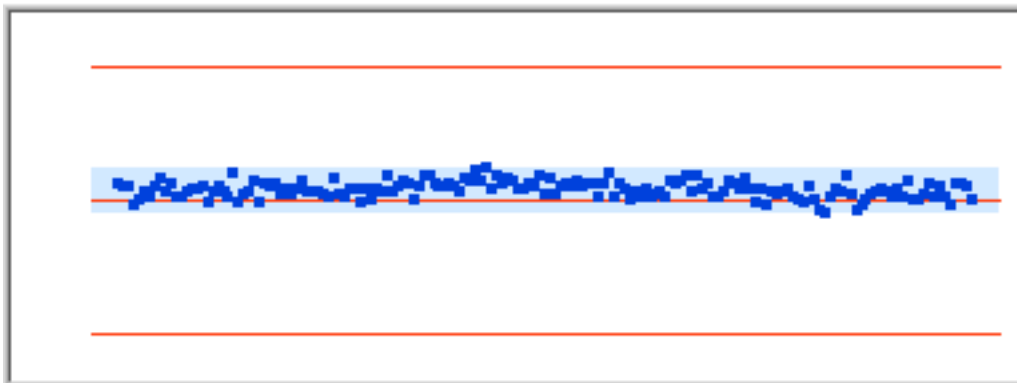


Figure54 Distribution 1210.1970Hz



Bar Chart 2

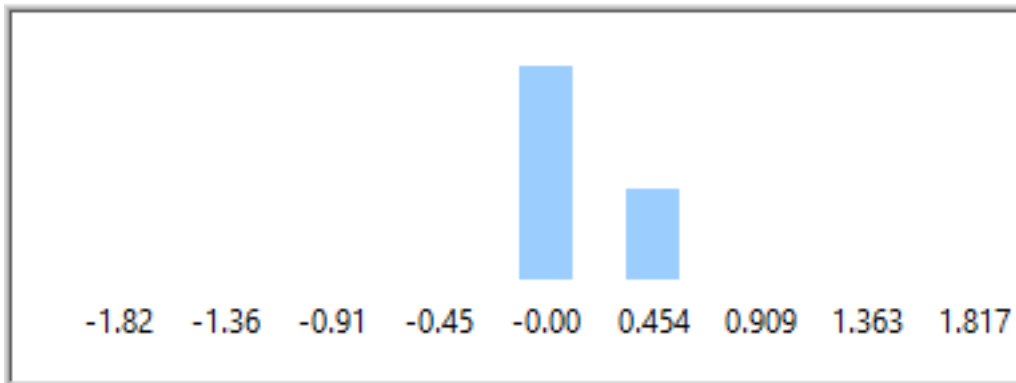


Figure55 Bar Chart 1210.1970Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1252.8910 | -2.0039    | 2.0039     | 5.3239 | 4.9426 | 5.7051 | 4.9426 |

Distribution Chart 2



Figure56 Distribution 1252.8910Hz

Bar Chart 2

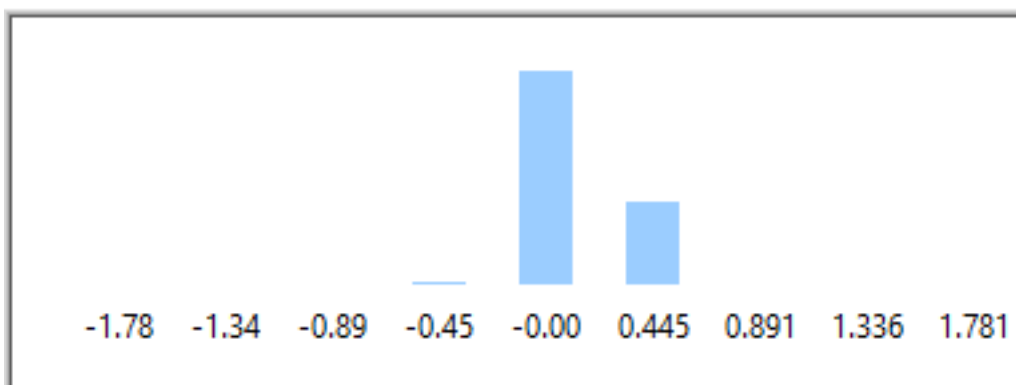


Figure57 Bar Chart 1252.8910Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1296.9440 | -2.0626    | 2.0626     | 5.5337 | 5.1875 | 5.8799 | 5.1875 |

Distribution Chart 2

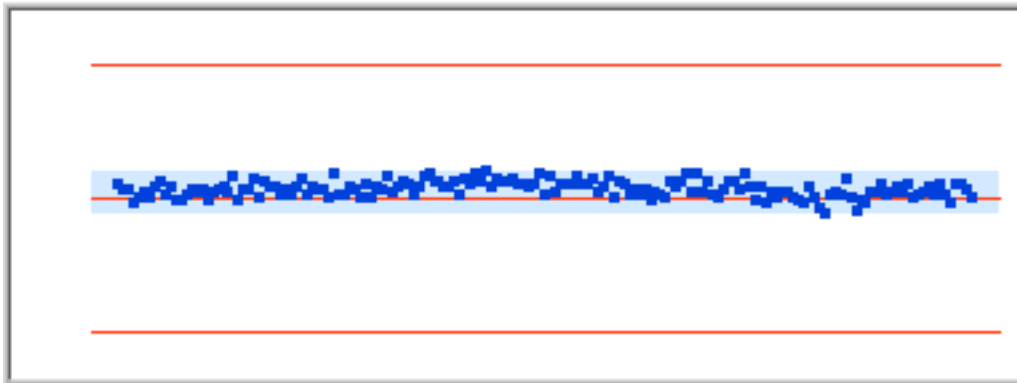


Figure58 Distribution 1296.9440Hz

Bar Chart 2

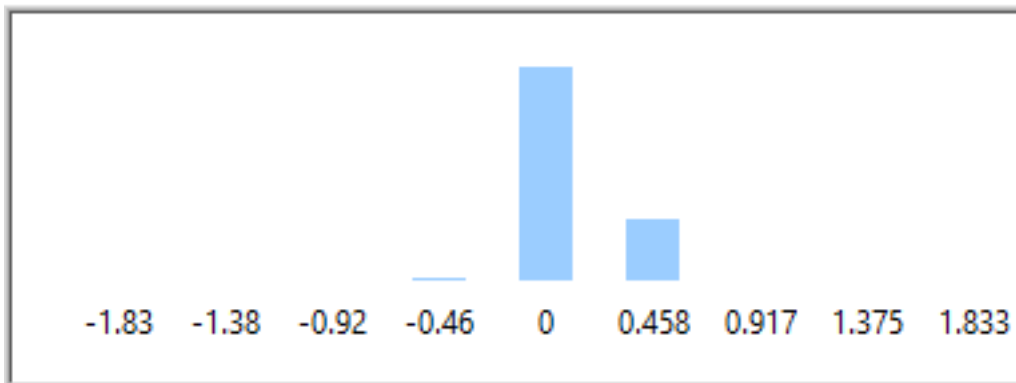


Figure59 Bar Chart 1296.9440Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1342.6980 | -2.1236    | 2.1236     | 5.6926 | 5.3781 | 6.0071 | 5.3781 |

Distribution Chart 2

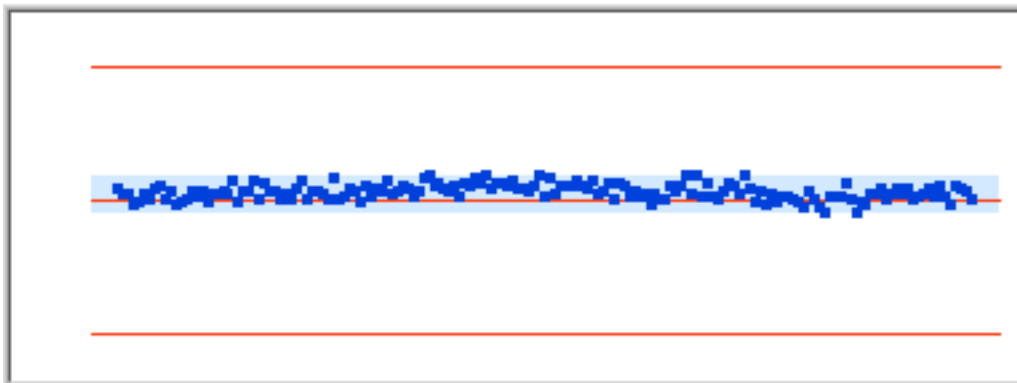


Figure60 Distribution 1342.6980Hz

Bar Chart 2

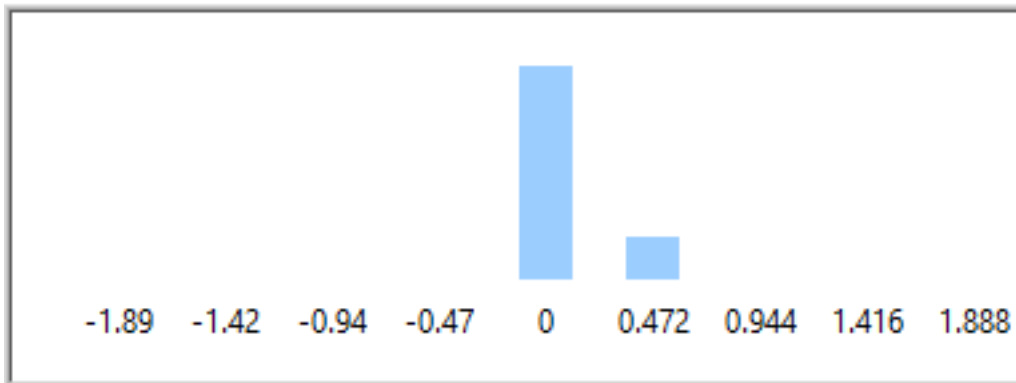


Figure61 Bar Chart 1342.6980Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1390.0670 | -2.1868    | 2.1868     | 5.8271 | 5.5367 | 6.1174 | 5.5367 |

Distribution Chart 2

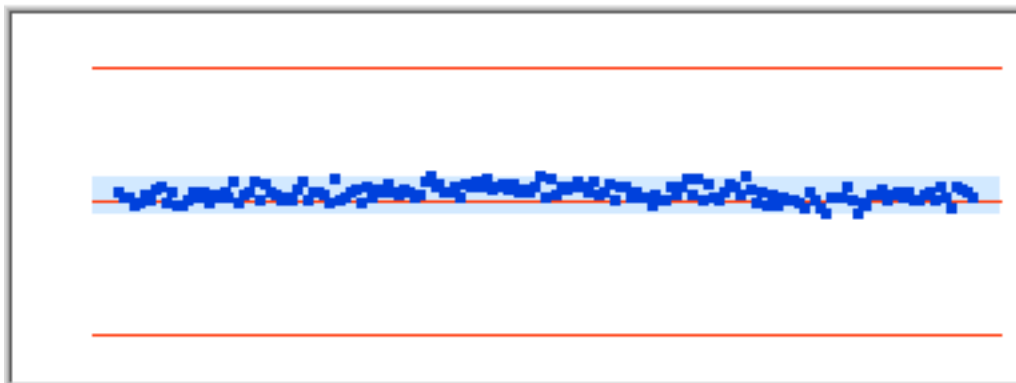


Figure62 Distribution 1390.0670Hz

Bar Chart 2

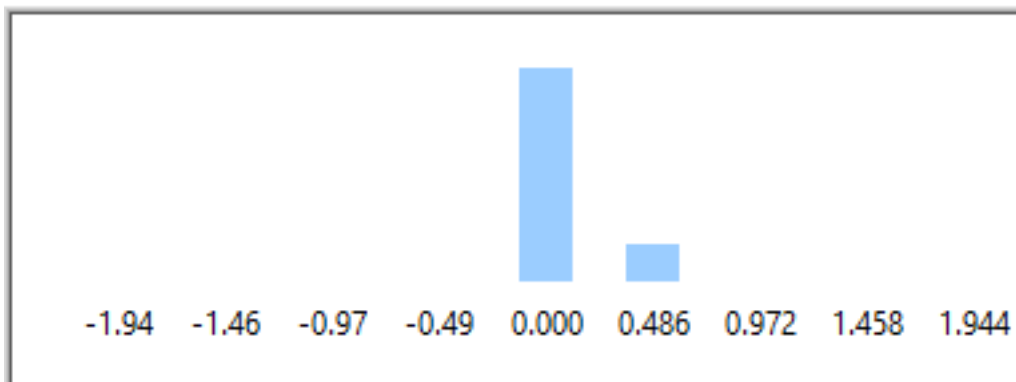


Figure63 Bar Chart 1390.0670Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1438.9430 | -2.2519    | 2.2519     | 5.9639 | 5.6880 | 6.2397 | 5.6880 |

Distribution Chart 2

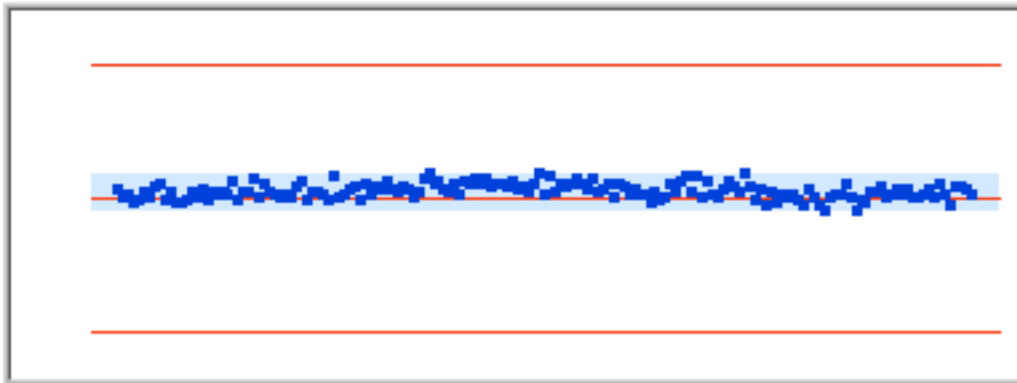


Figure64 Distribution 1438.9430Hz

Bar Chart 2

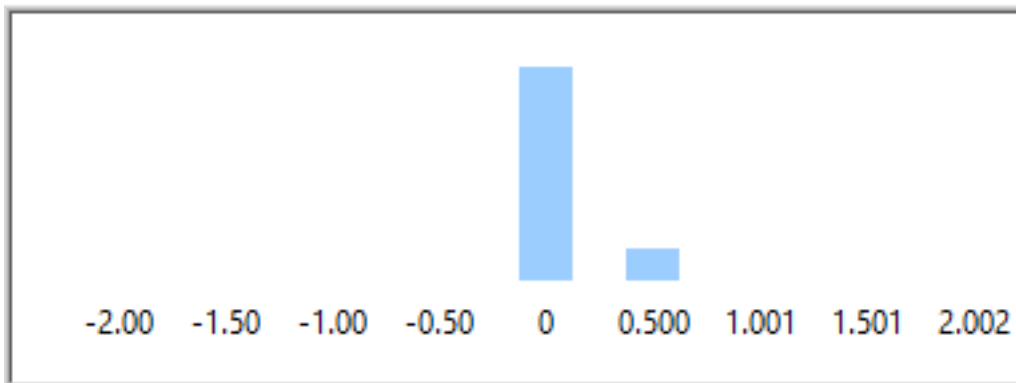


Figure65 Bar Chart 1438.9430Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1489.7080 | -2.3196    | 2.3196     | 6.1147 | 5.8434 | 6.3860 | 5.8434 |

Distribution Chart 2

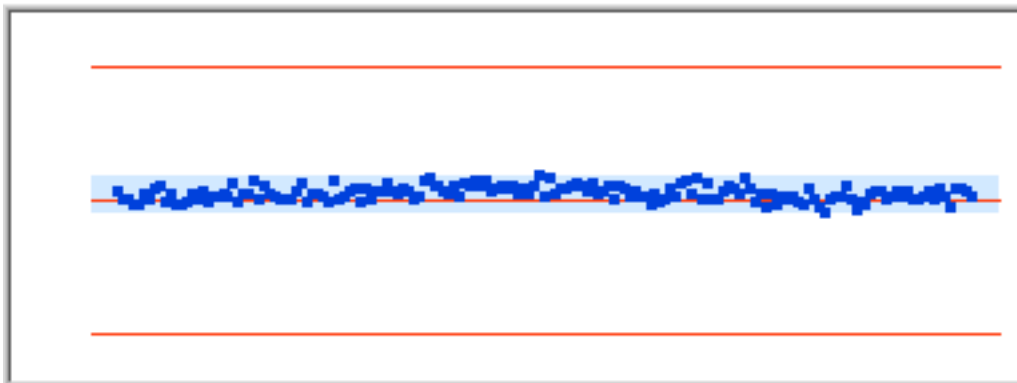


Figure66 Distribution 1489.7080Hz

Bar Chart 2

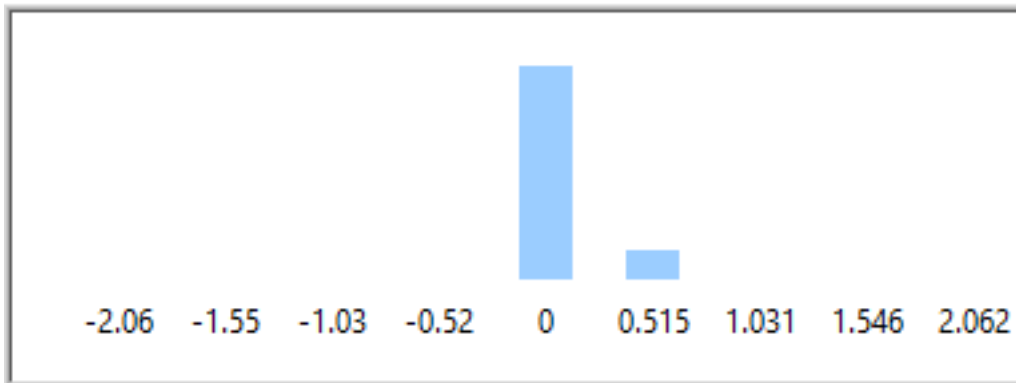


Figure67 Bar Chart 1489.7080Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1542.2630 | -2.3897    | 2.3897     | 6.2826 | 6.0003 | 6.5649 | 6.0003 |

Distribution Chart 2

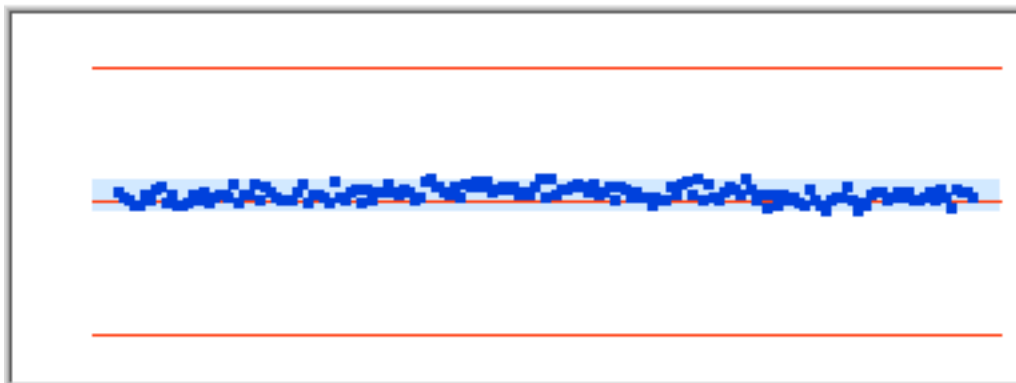


Figure68 Distribution 1542.2630Hz

Bar Chart 2

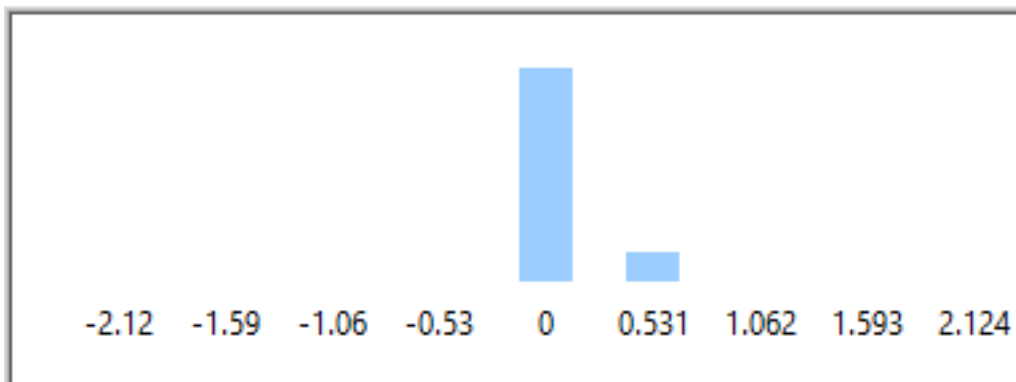


Figure69 Bar Chart 1542.2630Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1596.4900 | -2.4620    | 2.4620     | 6.4484 | 6.1489 | 6.7478 | 6.1489 |

Distribution Chart 2

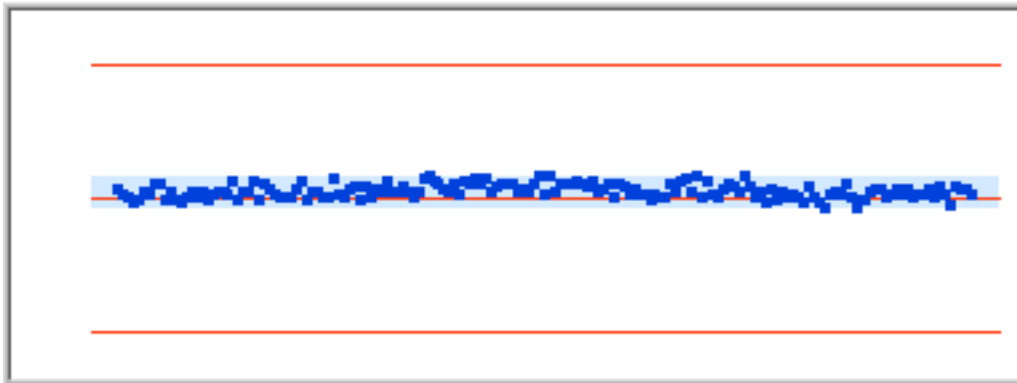


Figure70 Distribution 1596.4900Hz

Bar Chart 2

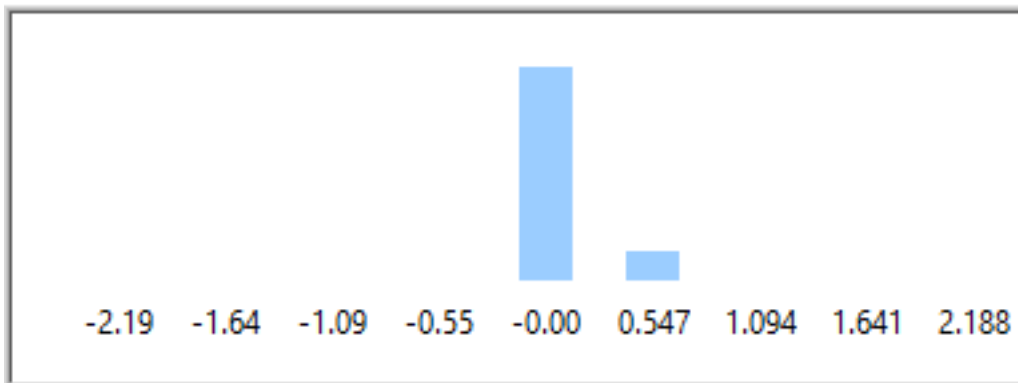


Figure71 Bar Chart 1596.4900Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1652.8120 | -2.5371    | 2.5371     | 6.6032 | 6.3016 | 6.9049 | 6.3016 |

Distribution Chart 2

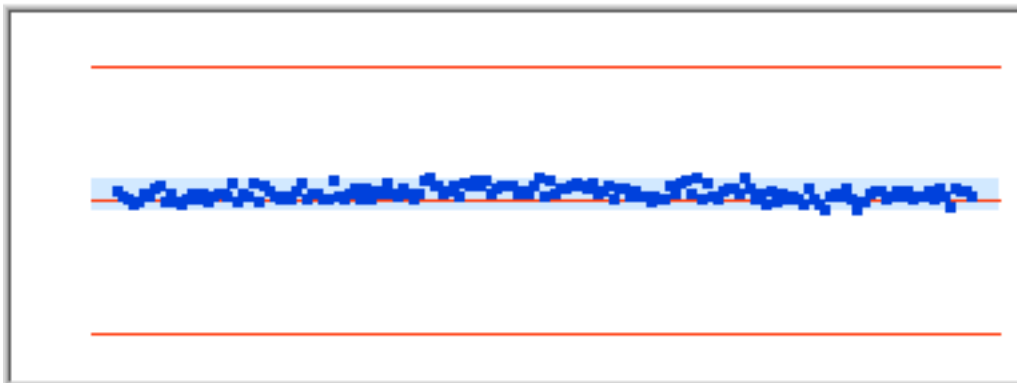


Figure72 Distribution 1652.8120Hz

Bar Chart 2

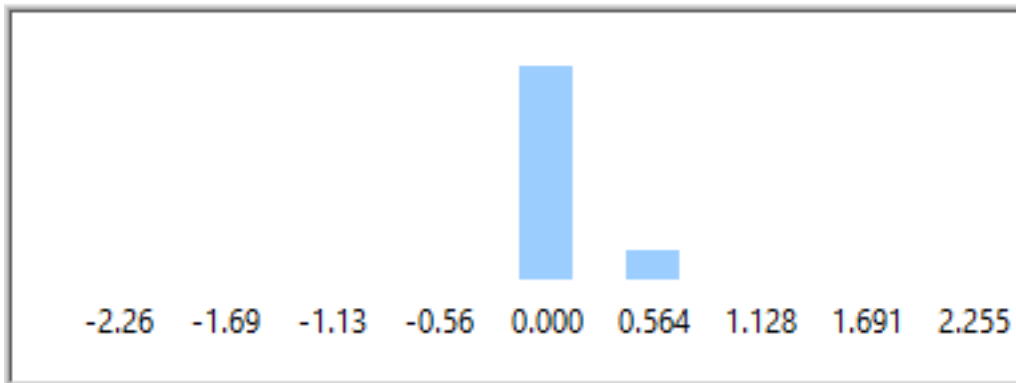


Figure73 Bar Chart 1652.8120Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1711.1220 | -2.6148    | 2.6148     | 6.7610 | 6.4695 | 7.0525 | 6.4695 |

Distribution Chart 2

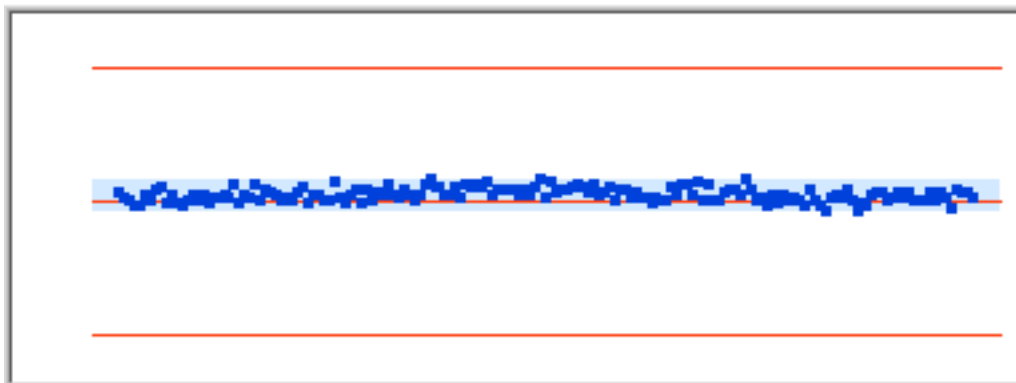


Figure74 Distribution 1711.1220Hz

Bar Chart 2

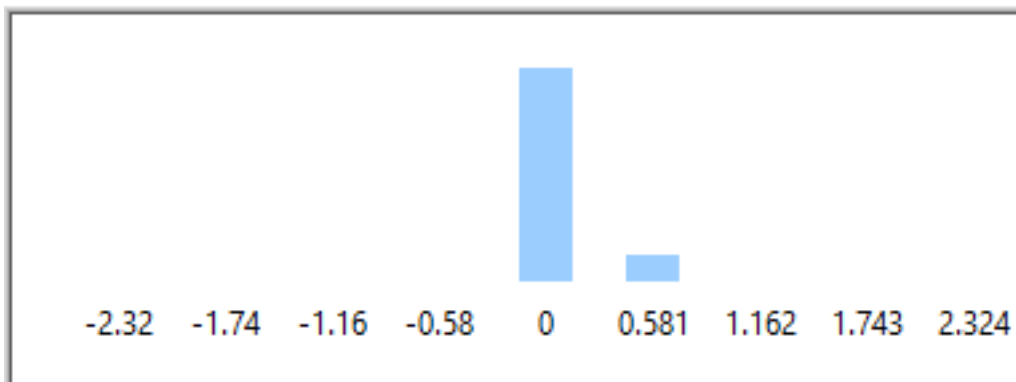


Figure75 Bar Chart 1711.1220Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1771.2860 | -2.6950    | 2.6950     | 6.9109 | 6.6414 | 7.1804 | 6.6414 |

Distribution Chart 2

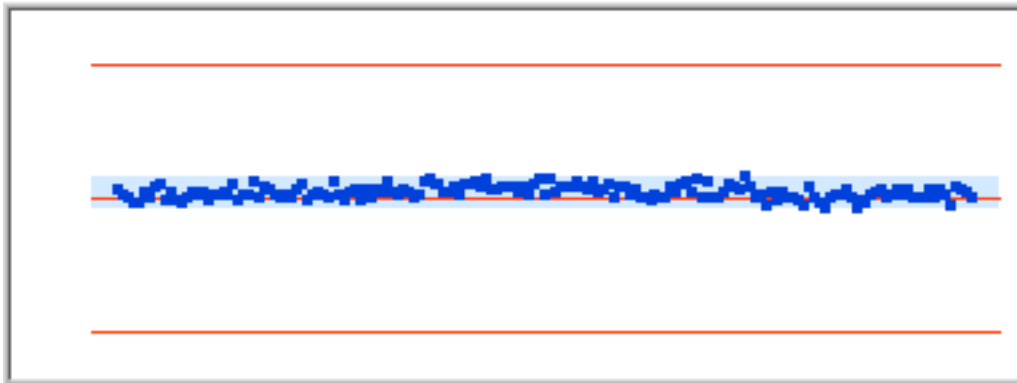


Figure76 Distribution 1771.2860Hz

Bar Chart 2

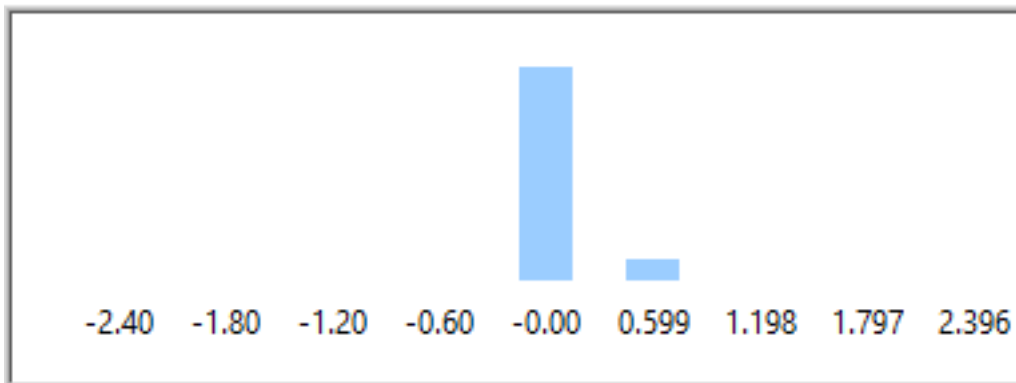


Figure77 Bar Chart 1771.2860Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1833.7750 | -2.7784    | 2.7784     | 7.0035 | 6.7392 | 7.2677 | 6.7392 |

Distribution Chart 2

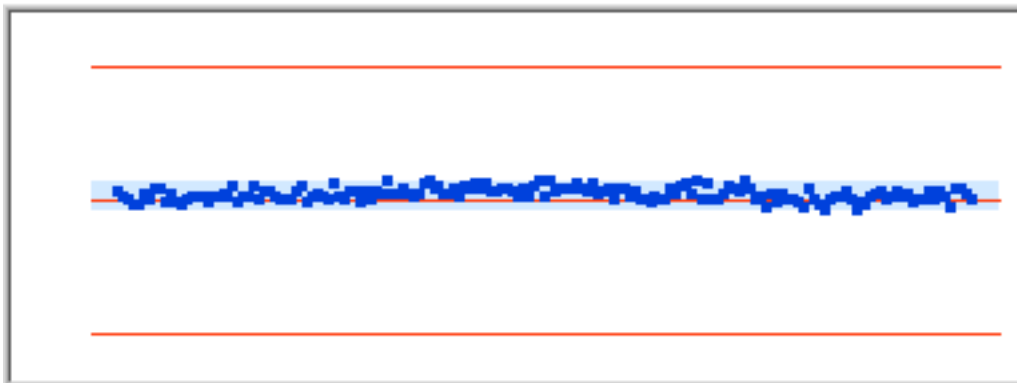


Figure78 Distribution 1833.7750Hz



Bar Chart 2

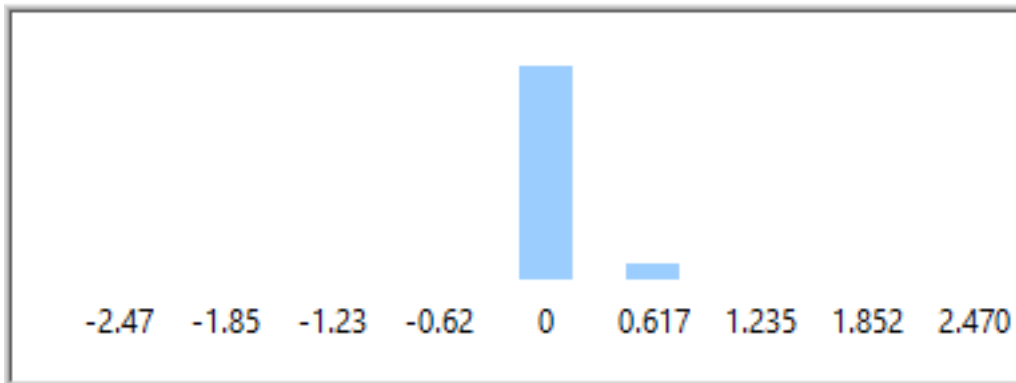


Figure79 Bar Chart 1833.7750Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1898.2520 | -2.8643    | 2.8643     | 7.0748 | 6.8017 | 7.3480 | 6.8017 |

Distribution Chart 2

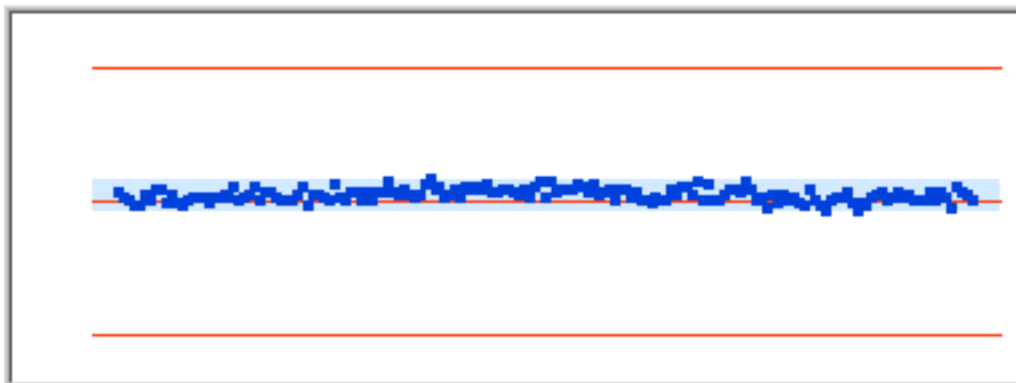


Figure80 Distribution 1898.2520Hz

Bar Chart 2

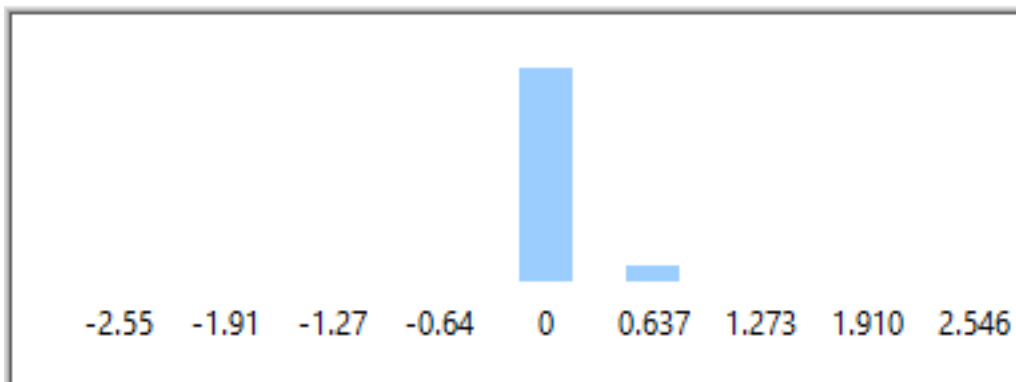


Figure81 Bar Chart 1898.2520Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 1965.2200 | -2.9536    | 2.9536     | 7.0797 | 6.7922 | 7.3672 | 6.7922 |

Distribution Chart 2

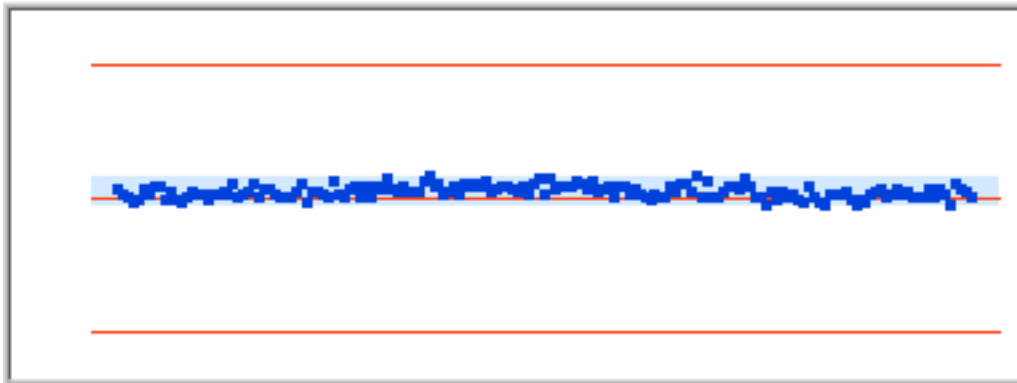


Figure82 Distribution 1965.2200Hz

Bar Chart 2

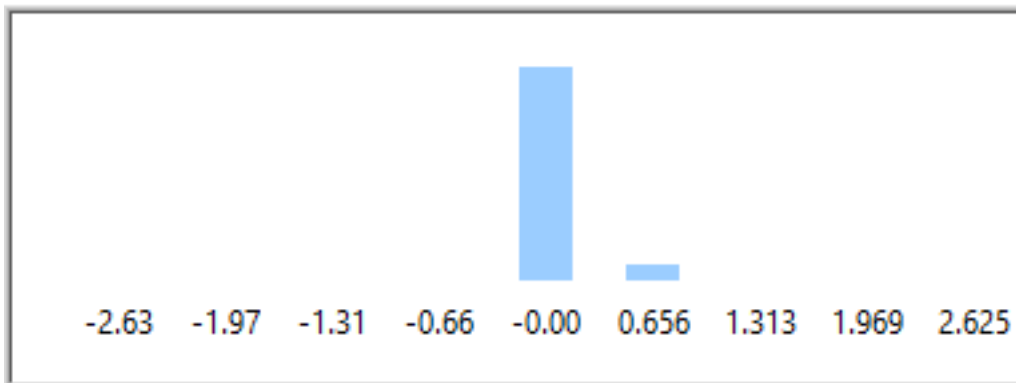


Figure83 Bar Chart 1965.2200Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2034.5510 | -3.0000    | 3.0000     | 6.9551 | 6.6517 | 7.2584 | 6.6517 |

Distribution Chart 2

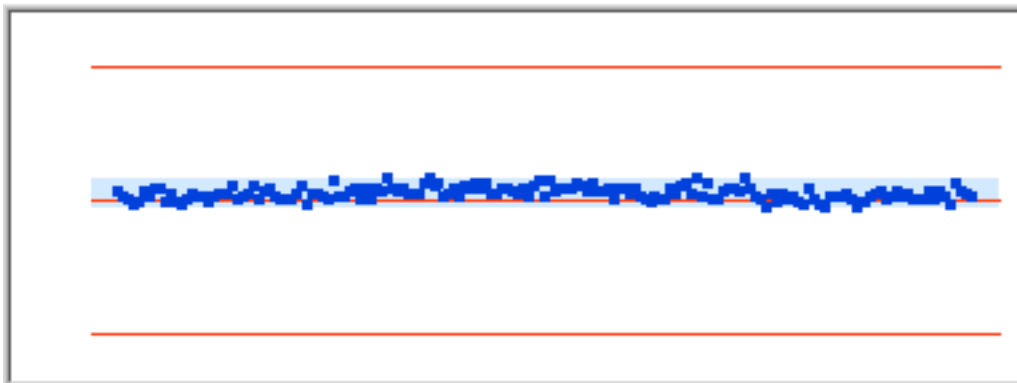


Figure84 Distribution 2034.5510Hz

Bar Chart 2

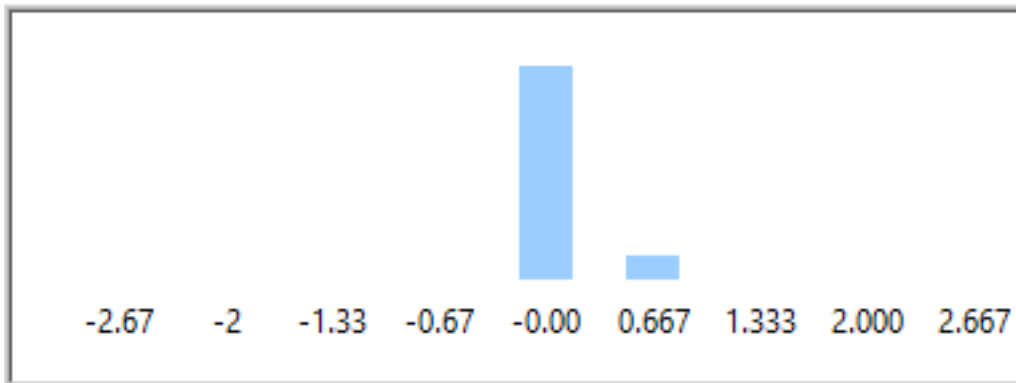


Figure85 Bar Chart 2034.5510Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2106.0870 | -3.0000    | 3.0000     | 6.6847 | 6.3668 | 7.0026 | 6.3668 |

Distribution Chart 2

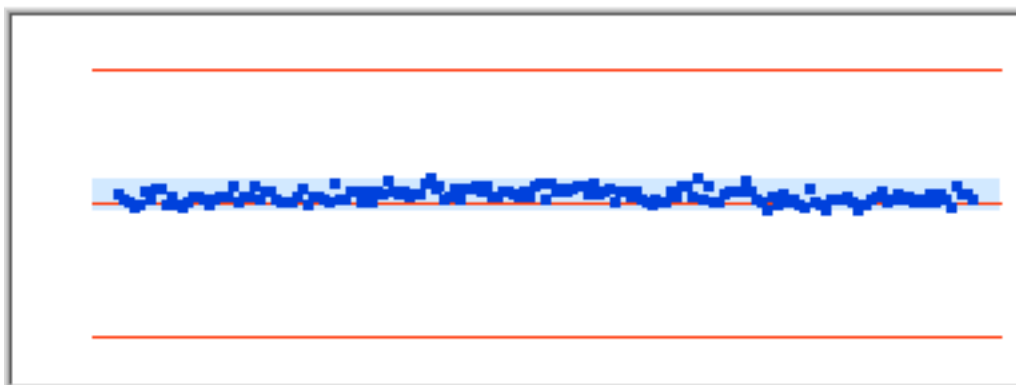


Figure86 Distribution 2106.0870Hz

Bar Chart 2

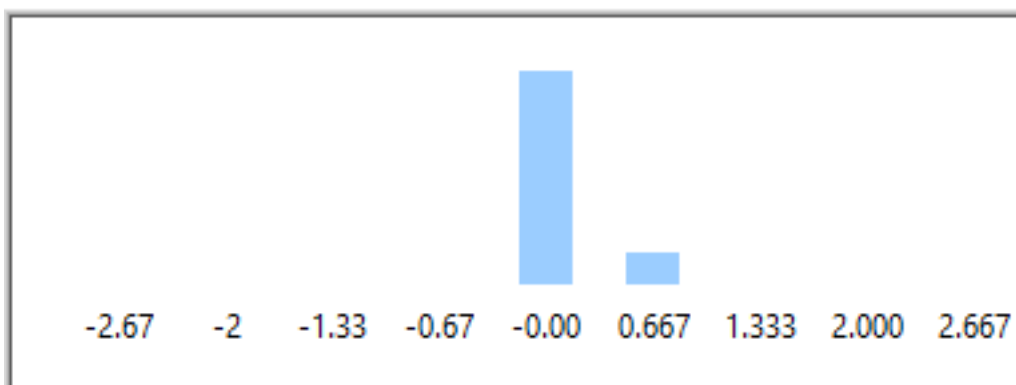


Figure87 Bar Chart 2106.0870Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2180.3870 | -3.0000    | 3.0000     | 6.3572 | 6.0245 | 6.6898 | 6.0245 |

Distribution Chart 2

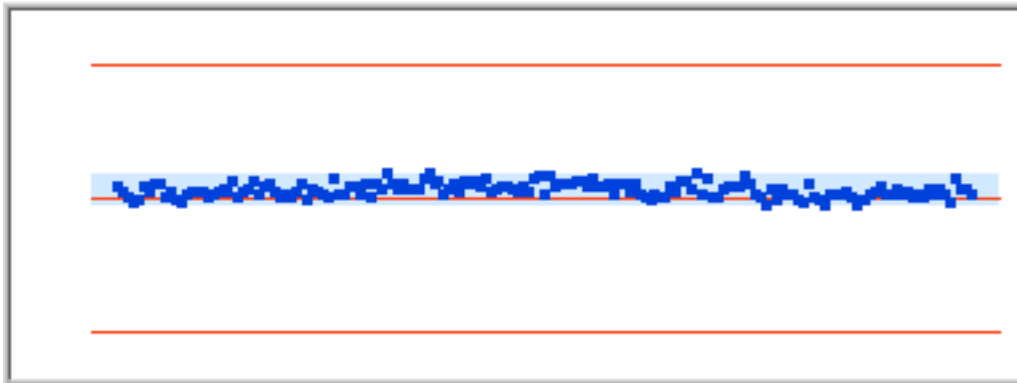


Figure88 Distribution 2180.3870Hz

Bar Chart 2

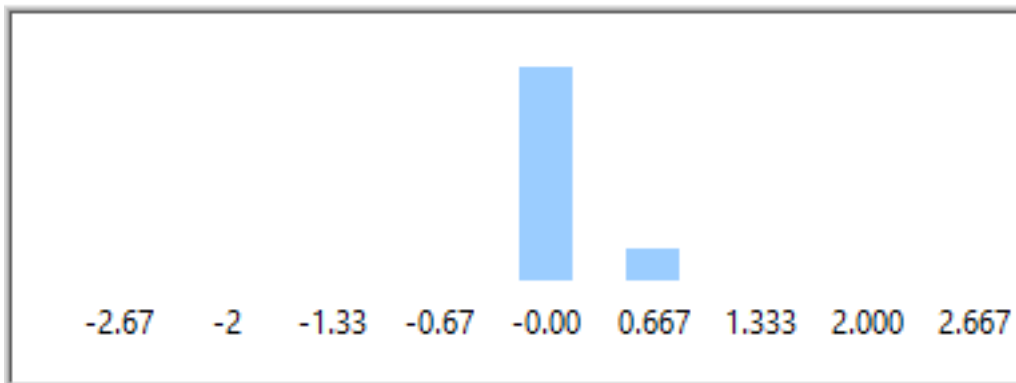


Figure89 Bar Chart 2180.3870Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2257.3090 | -3.0000    | 3.0000     | 5.9744 | 5.6254 | 6.3234 | 5.6254 |

Distribution Chart 2

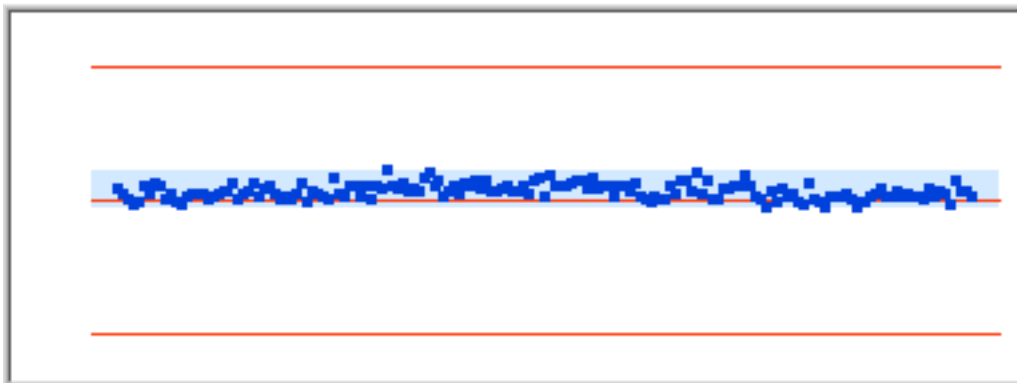


Figure90 Distribution 2257.3090Hz

Bar Chart 2

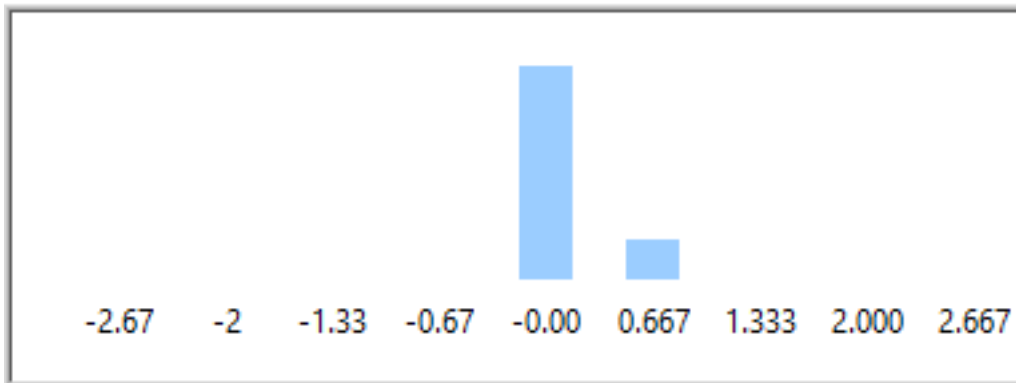


Figure91 Bar Chart 2257.3090Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2336.6780 | -3.0000    | 3.0000     | 5.5713 | 5.2052 | 5.9374 | 5.2052 |

Distribution Chart 2

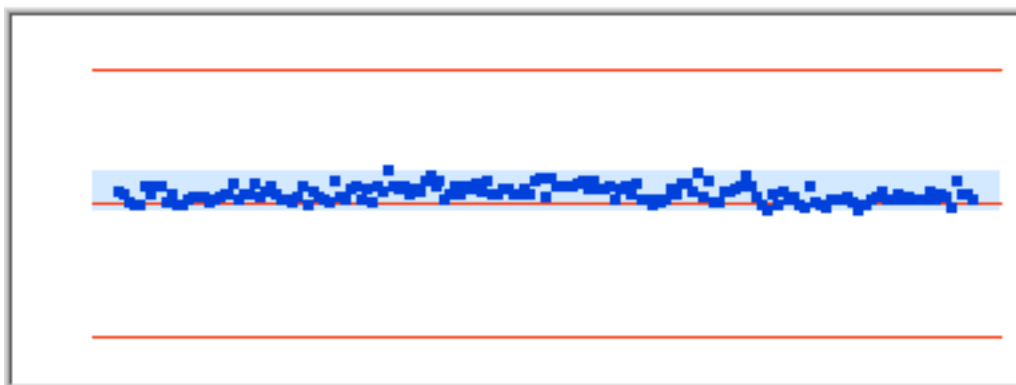


Figure92 Distribution 2336.6780Hz

Bar Chart 2

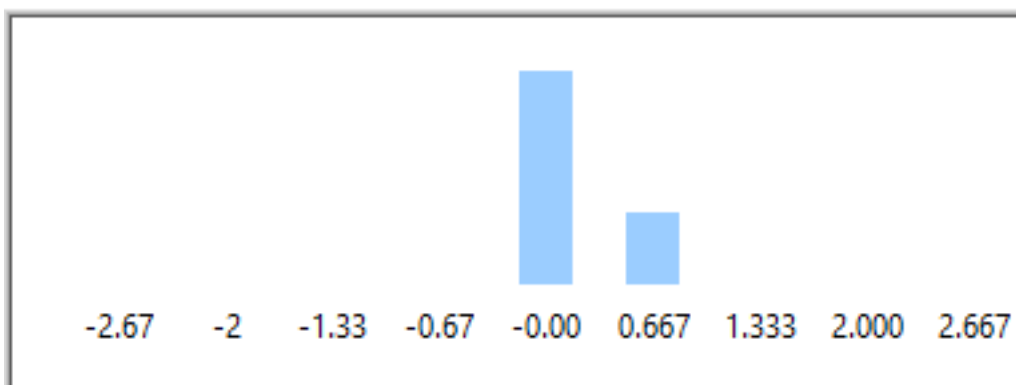


Figure93 Bar Chart 2336.6780Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2419.1130 | -3.0000    | 3.0000     | 5.2884 | 4.9100 | 5.6669 | 4.9100 |

Distribution Chart 2

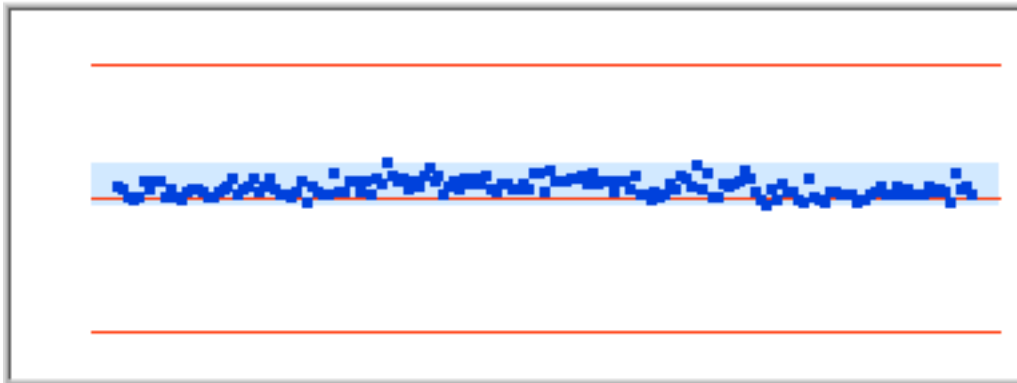


Figure94 Distribution 2419.1130Hz

Bar Chart 2

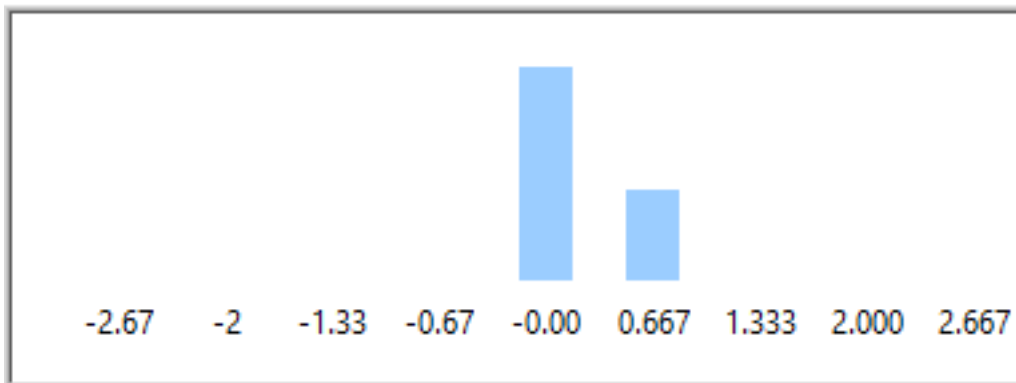


Figure95 Bar Chart 2419.1130Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2504.4570 | -3.0000    | 3.0000     | 5.4477 | 5.0607 | 5.8348 | 5.0607 |

Distribution Chart 2

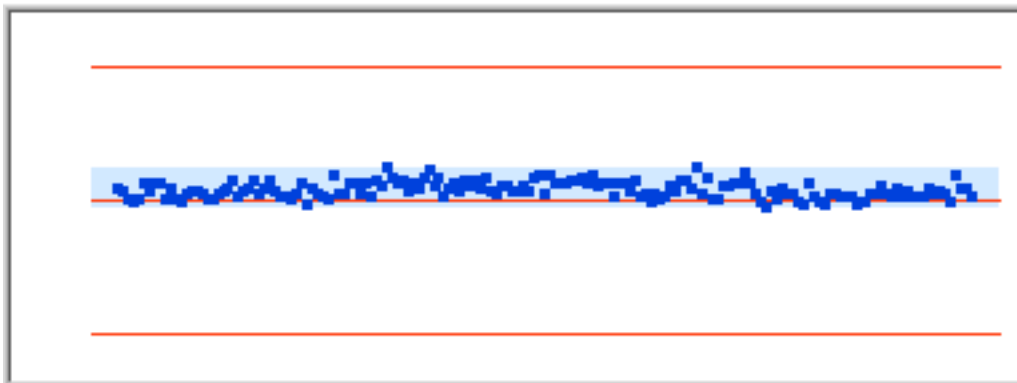


Figure96 Distribution 2504.4570Hz

Bar Chart 2

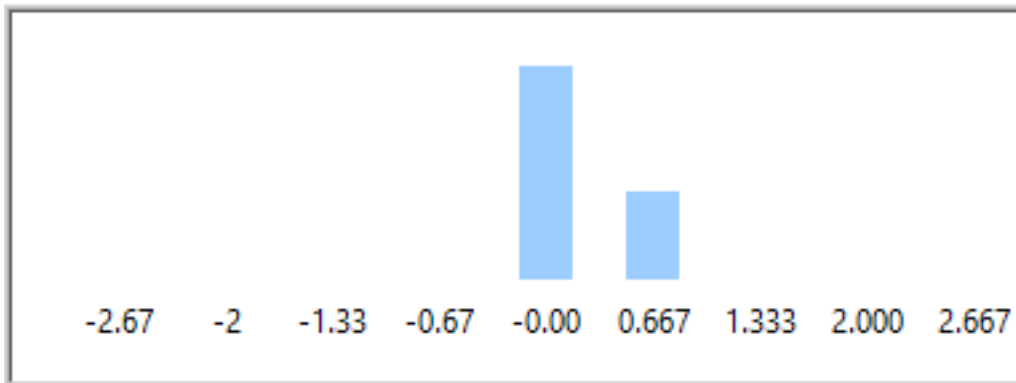


Figure97 Bar Chart 2504.4570Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2592.5150 | -3.0000    | 3.0000     | 6.5456 | 6.1678 | 6.9235 | 6.1678 |

Distribution Chart 2

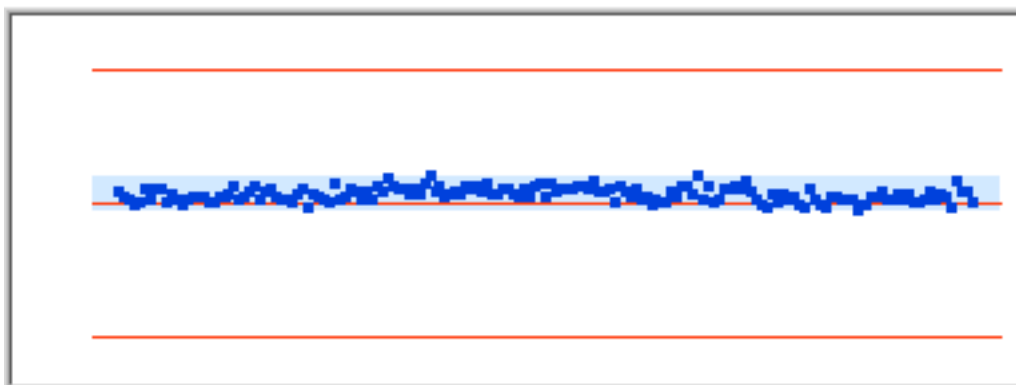


Figure98 Distribution 2592.5150Hz

Bar Chart 2

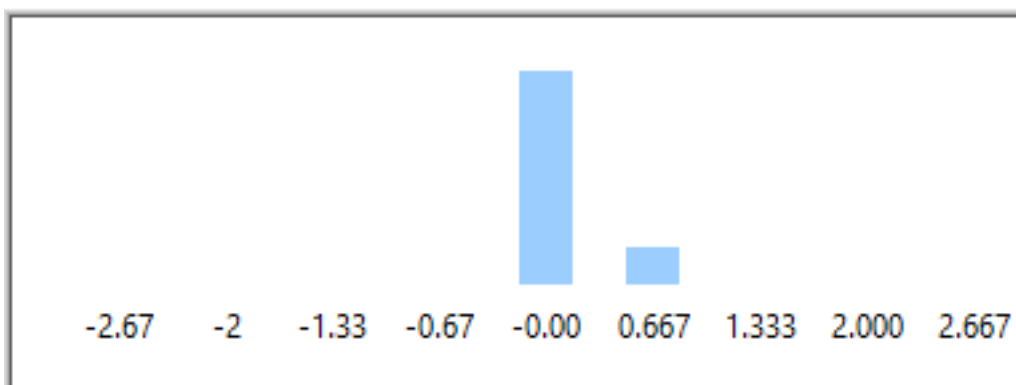


Figure99 Bar Chart 2592.5150Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2683.9760 | -3.0000    | 3.0000     | 8.8675 | 8.5837 | 9.1512 | 8.5837 |

Distribution Chart 2

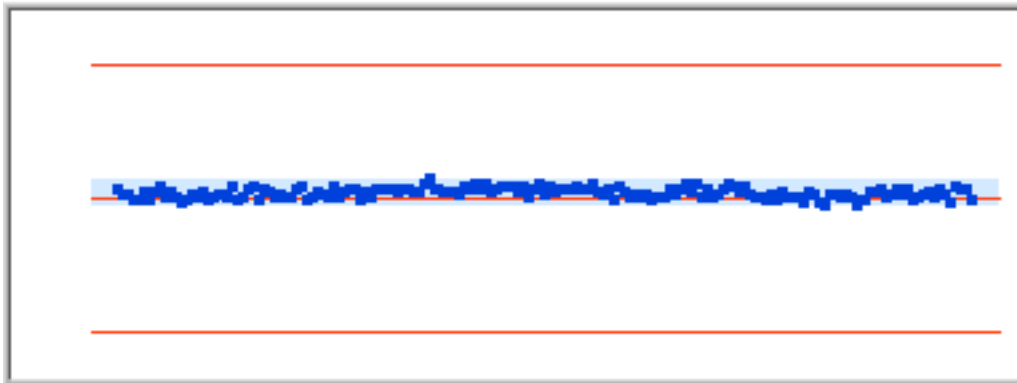


Figure100 Distribution 2683.9760Hz

Bar Chart 2

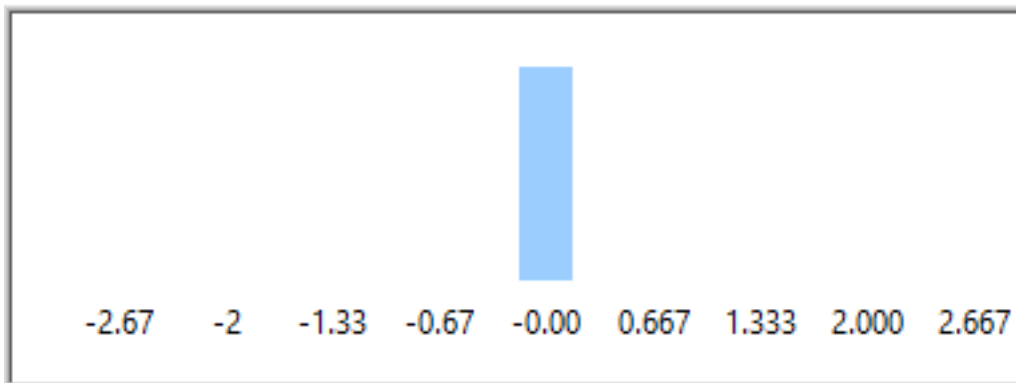


Figure101 Bar Chart 2683.9760Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2778.3470 | -3.0000    | 3.0000     | 9.3473 | 9.3358 | 9.3588 | 9.3358 |

Distribution Chart 2

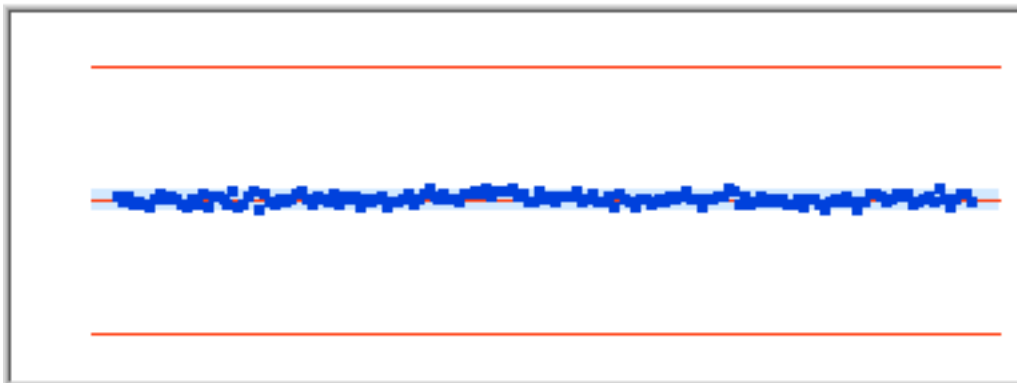


Figure102 Distribution 2778.3470Hz



Bar Chart 2

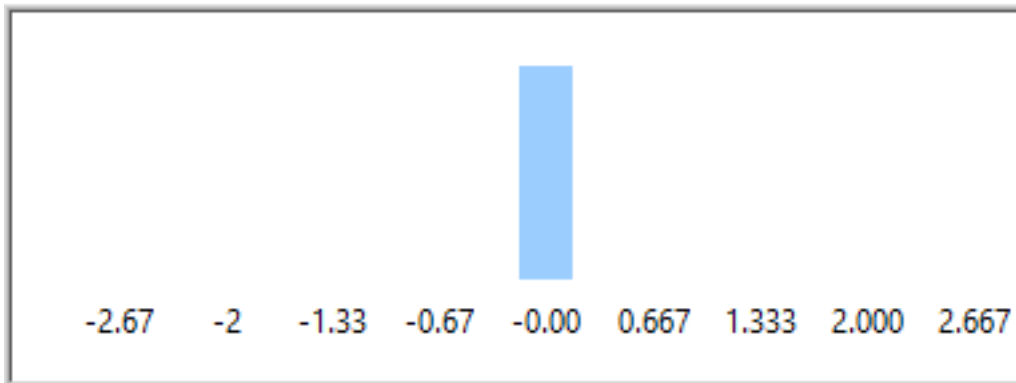


Figure103 Bar Chart 2778.3470Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2876.3640 | -3.0000    | 3.0000     | 7.7733 | 7.5877 | 7.5877 | 7.9588 |

Distribution Chart 2

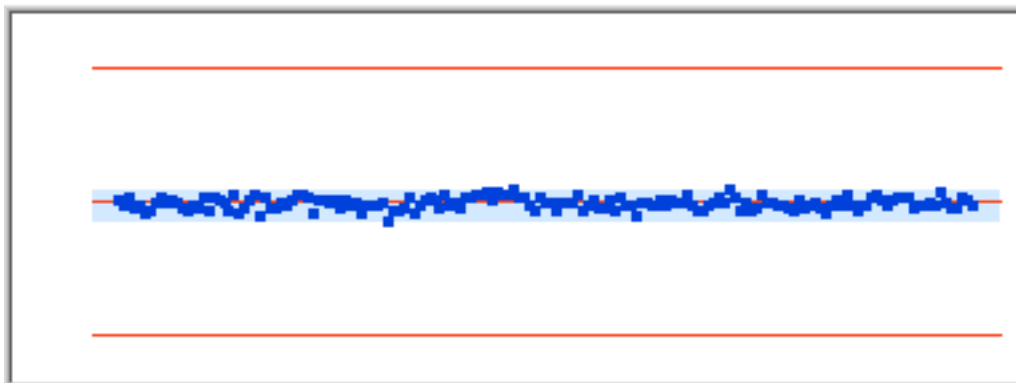


Figure104 Distribution 2876.3640Hz

Bar Chart 2

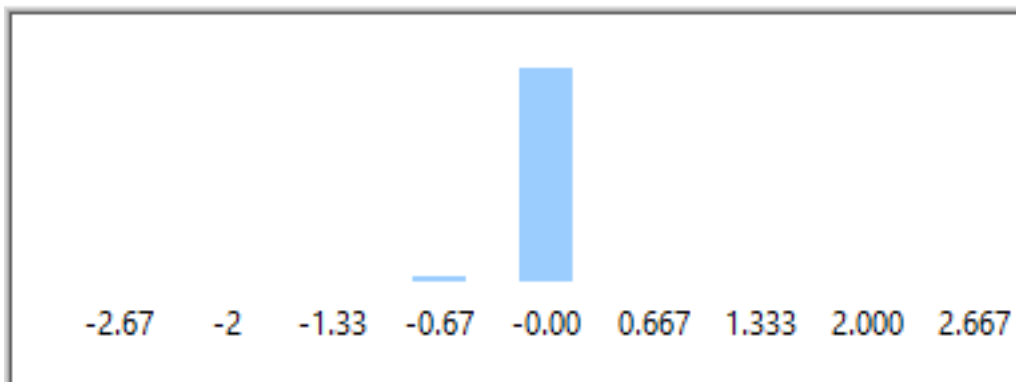


Figure105 Bar Chart 2876.3640Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 2977.8390 | -3.0000    | 3.0000     | 7.0568 | 6.7976 | 6.7976 | 7.3159 |

Distribution Chart 2

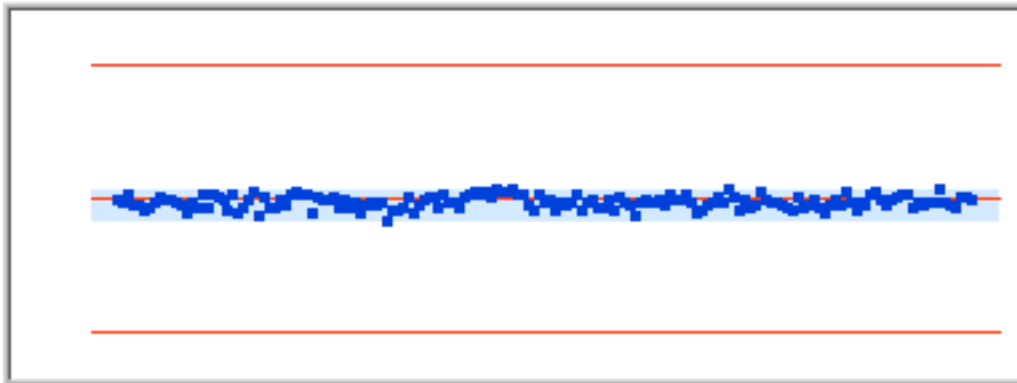


Figure106 Distribution 2977.8390Hz

Bar Chart 2

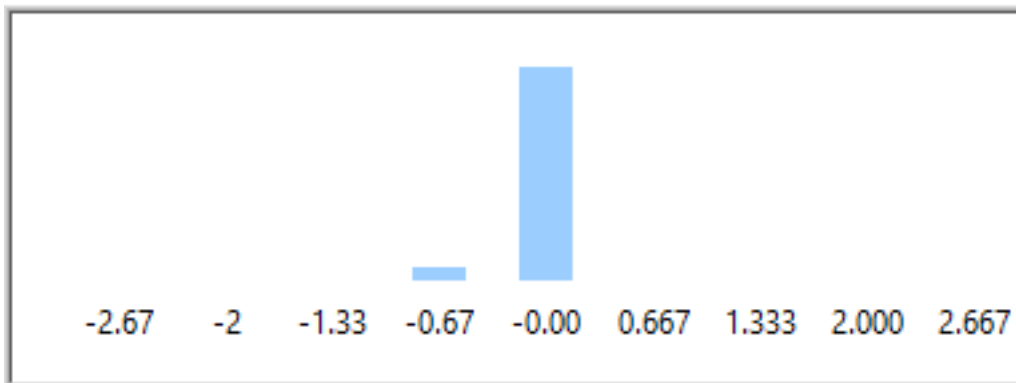


Figure107 Bar Chart 2977.8390Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3082.5420 | -3.0000    | 3.0000     | 6.9749 | 6.6959 | 6.6959 | 7.2538 |

Distribution Chart 2

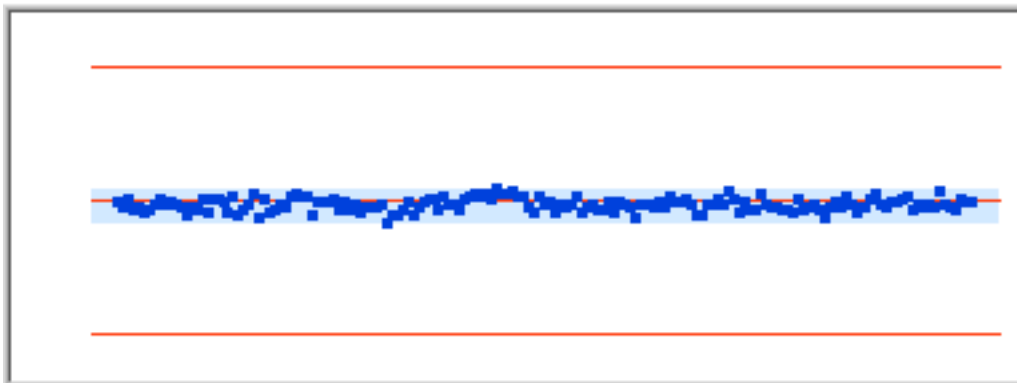


Figure108 Distribution 3082.5420Hz

Bar Chart 2

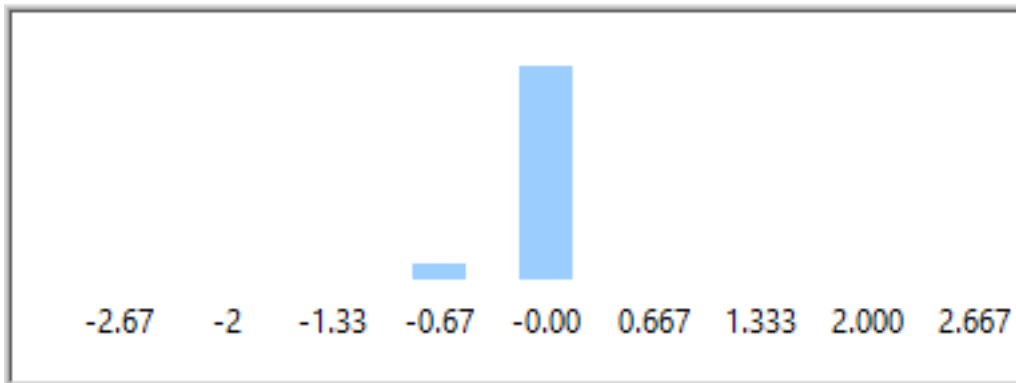


Figure109 Bar Chart 3082.5420Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3191.2910 | -3.0000    | 3.0000     | 7.0966 | 6.8247 | 6.8247 | 7.3685 |

Distribution Chart 2

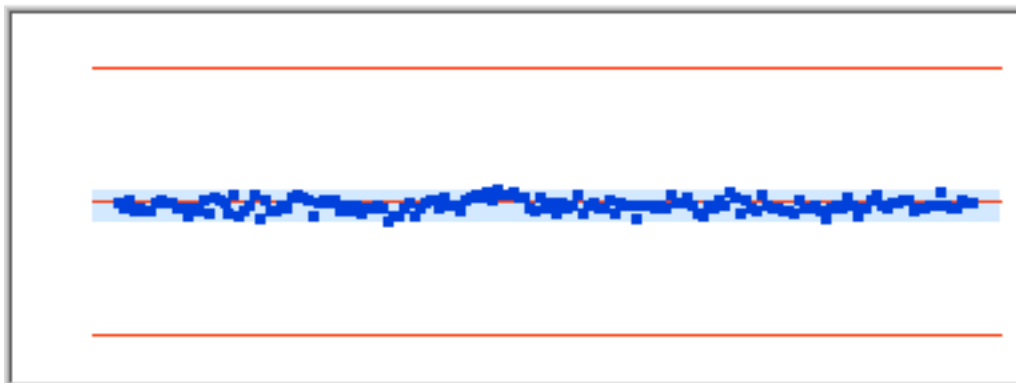


Figure110 Distribution 3191.2910Hz

Bar Chart 2

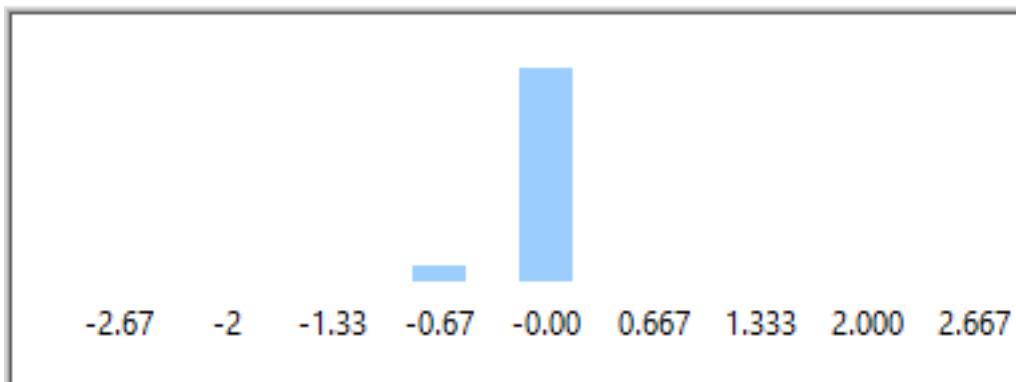


Figure111 Bar Chart 3191.2910Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3303.8760 | -3.0000    | 3.0000     | 7.2166 | 6.9613 | 6.9613 | 7.4719 |

Distribution Chart 2

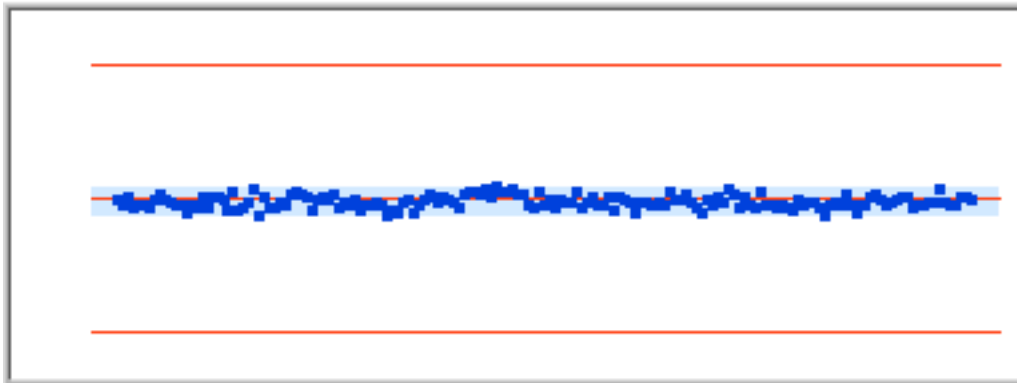


Figure112 Distribution 3303.8760Hz

Bar Chart 2

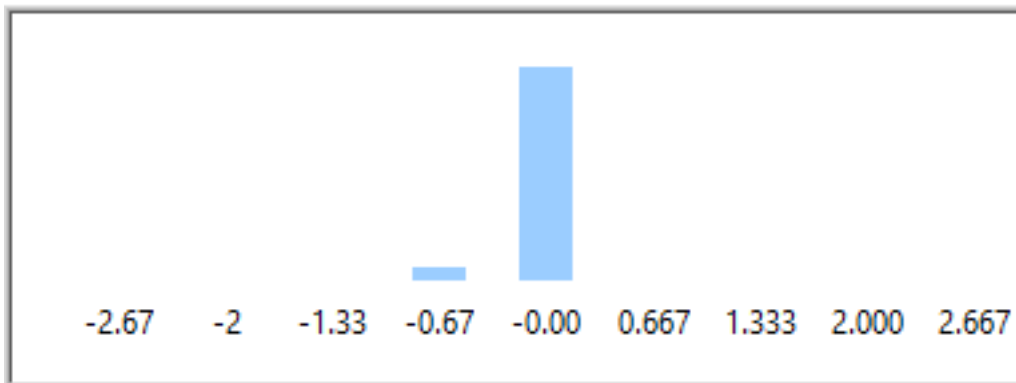


Figure113 Bar Chart 3303.8760Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3420.0420 | -3.0000    | 3.0000     | 7.2625 | 7.0274 | 7.0274 | 7.4976 |

Distribution Chart 2

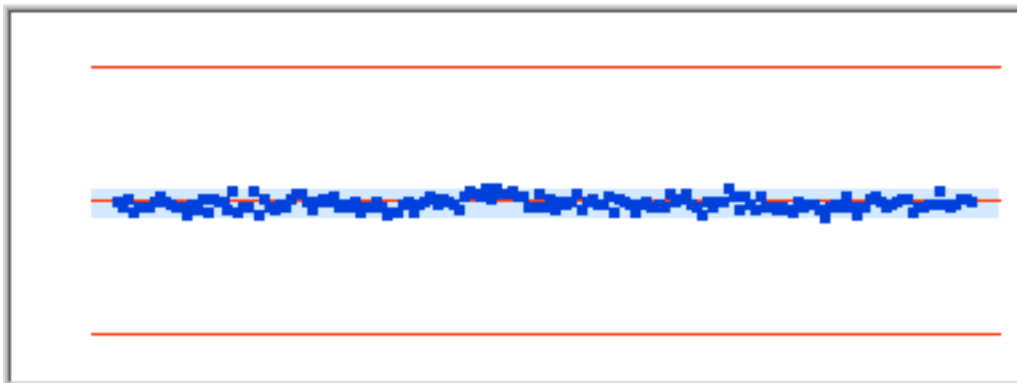


Figure114 Distribution 3420.0420Hz

Bar Chart 2

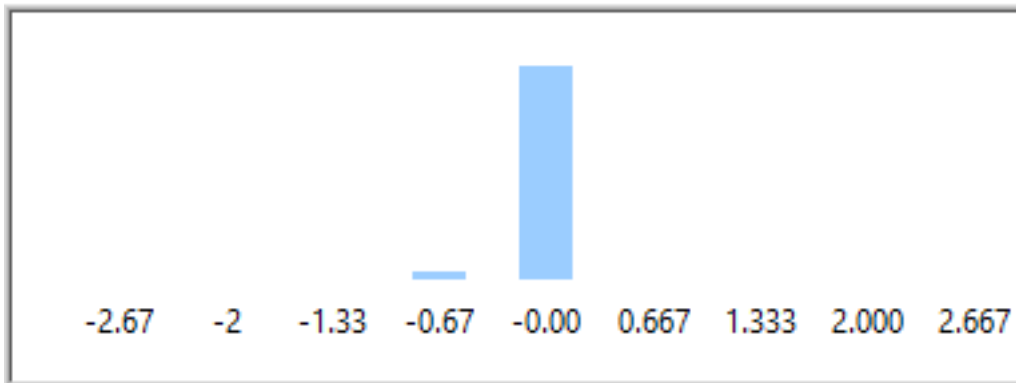


Figure115 Bar Chart 3420.0420Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3540.6980 | -2.9729    | 2.9729     | 7.1573 | 6.9453 | 6.9453 | 7.3694 |

Distribution Chart 2

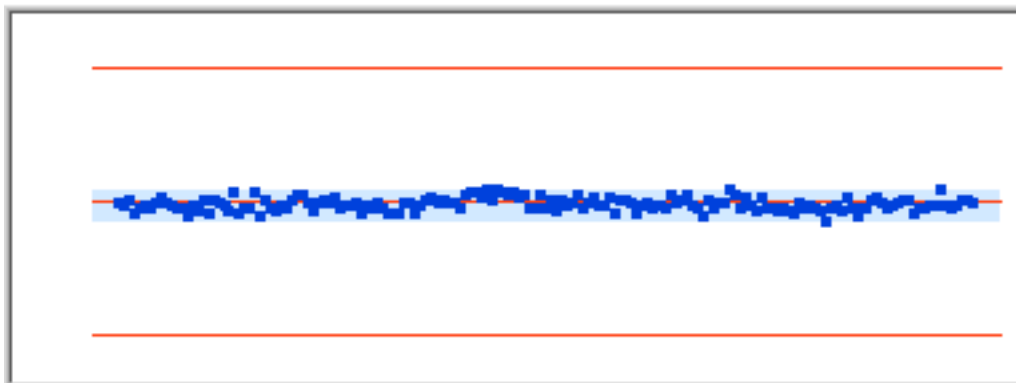


Figure116 Distribution 3540.6980Hz

Bar Chart 2

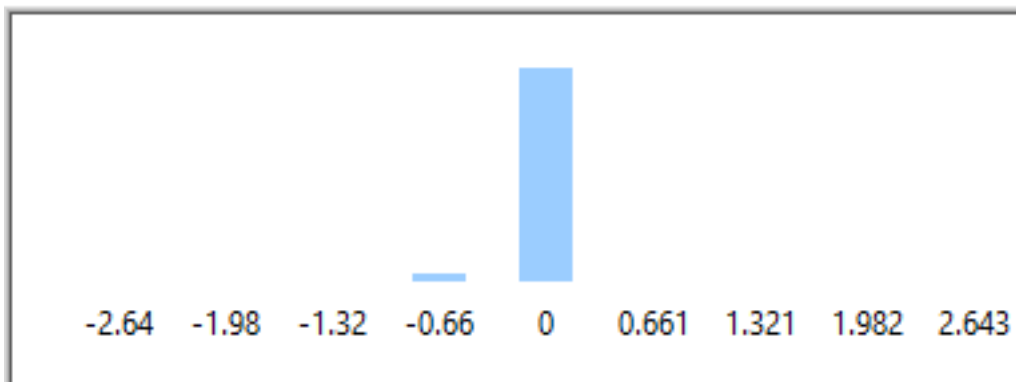


Figure117 Bar Chart 3540.6980Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3665.6090 | -2.8896    | 2.8896     | 6.8634 | 6.6672 | 6.6672 | 7.0596 |

Distribution Chart 2

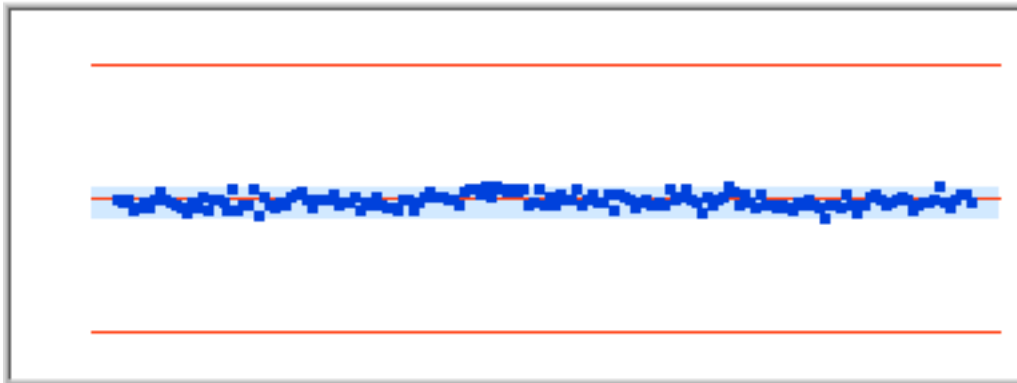


Figure118 Distribution 3665.6090Hz

Bar Chart 2

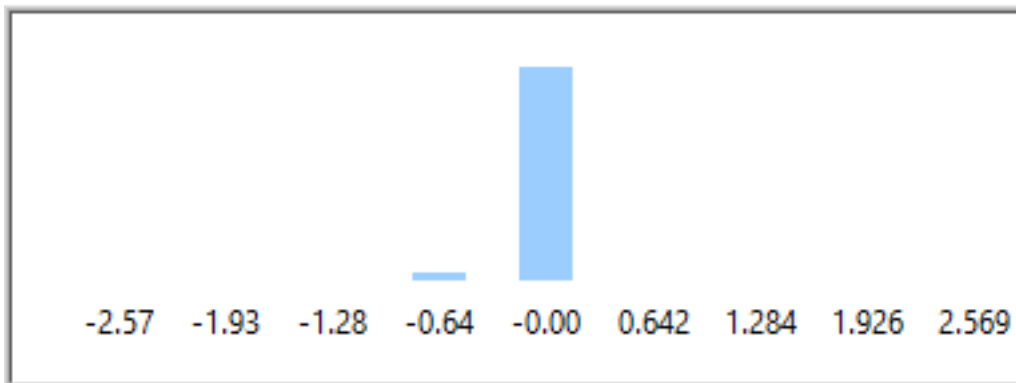


Figure119 Bar Chart 3665.6090Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3794.4950 | -2.8037    | 2.8037     | 6.5569 | 6.3730 | 6.3730 | 6.7409 |

Distribution Chart 2

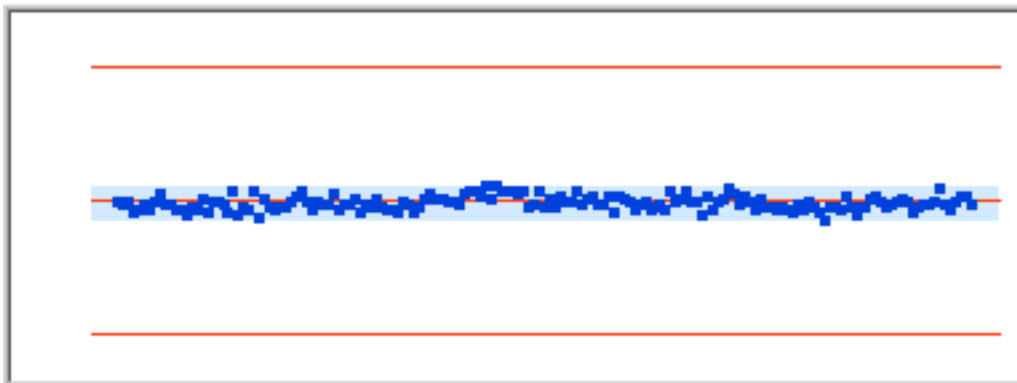


Figure120 Distribution 3794.4950Hz

Bar Chart 2

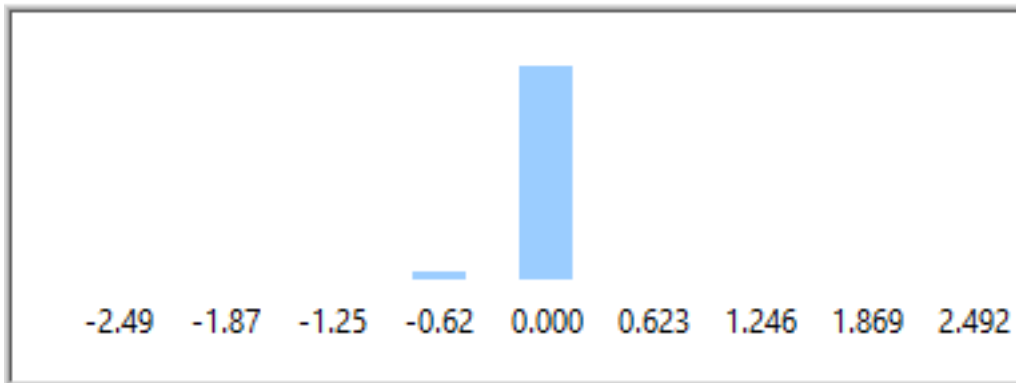


Figure121 Bar Chart 3794.4950Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 3928.3610 | -2.7144    | 2.7144     | 6.2924 | 6.1176 | 6.1176 | 6.4671 |

Distribution Chart 2

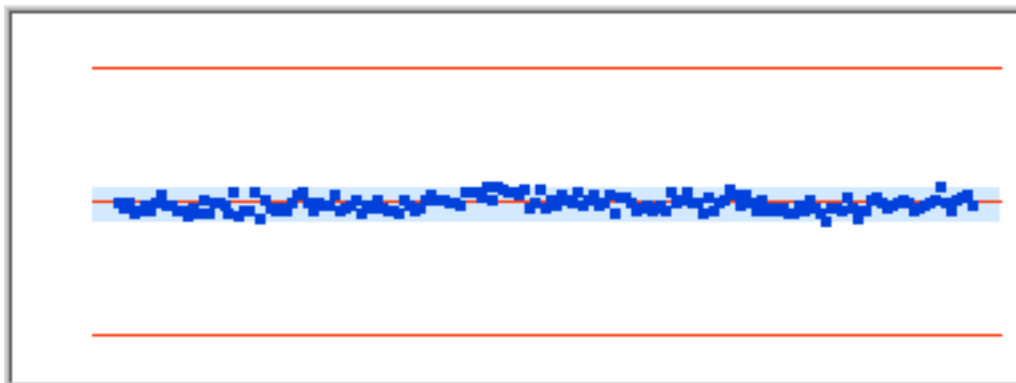


Figure122 Distribution 3928.3610Hz

Bar Chart 2

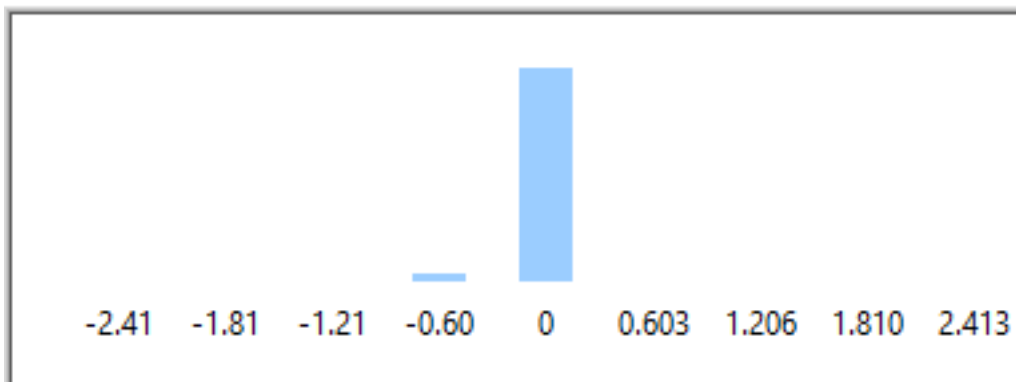


Figure123 Bar Chart 3928.3610Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 4066.4850 | -2.6223    | 2.6223     | 6.1657 | 6.0166 | 6.0166 | 6.3149 |

Distribution Chart 2

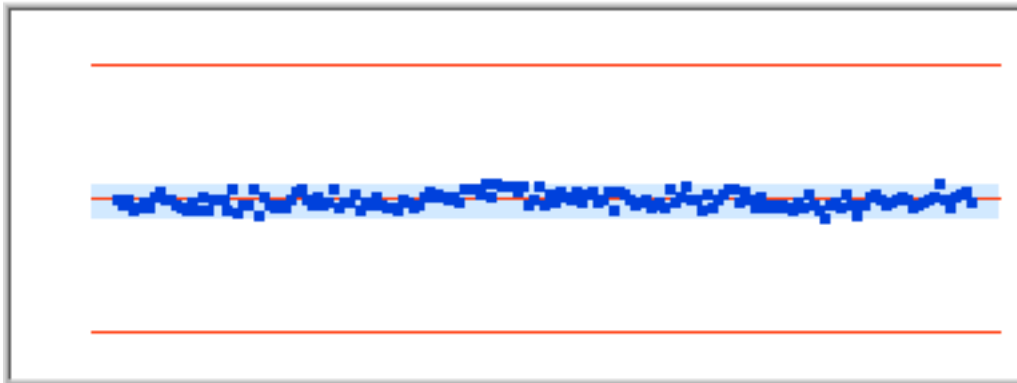


Figure124 Distribution 4066.4850Hz

Bar Chart 2

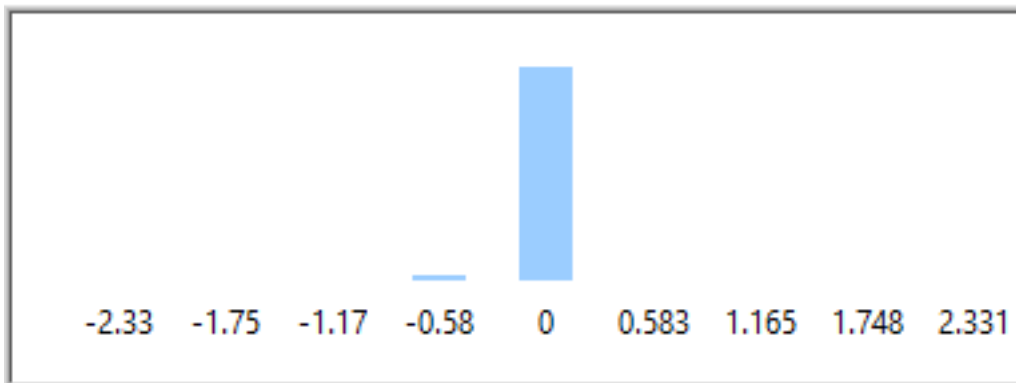


Figure125 Bar Chart 4066.4850Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 4209.9460 | -2.5267    | 2.5267     | 6.2501 | 6.1680 | 6.1680 | 6.3321 |

Distribution Chart 2

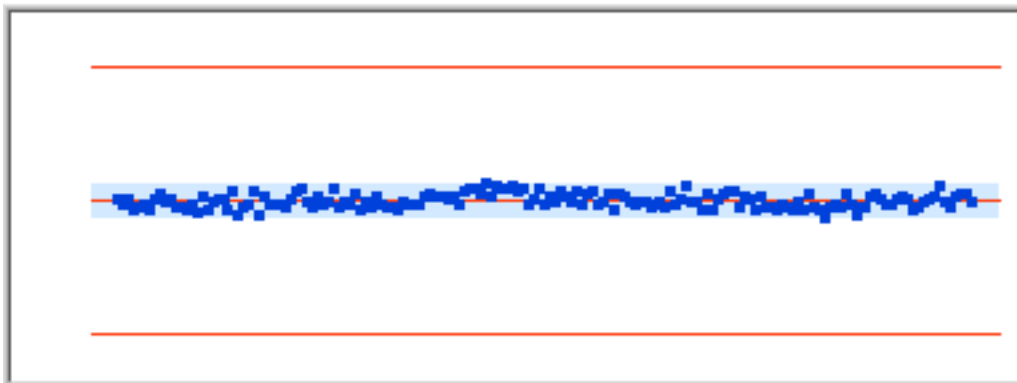


Figure126 Distribution 4209.9460Hz



Bar Chart 2

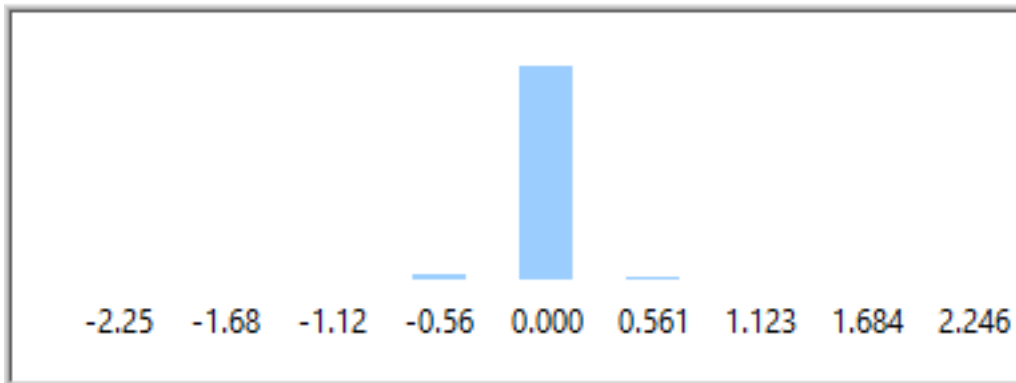


Figure127 Bar Chart 4209.9460Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 4358.4680 | -2.4277    | 2.4277     | 6.7928 | 6.7550 | 6.7550 | 6.8307 |

Distribution Chart 2

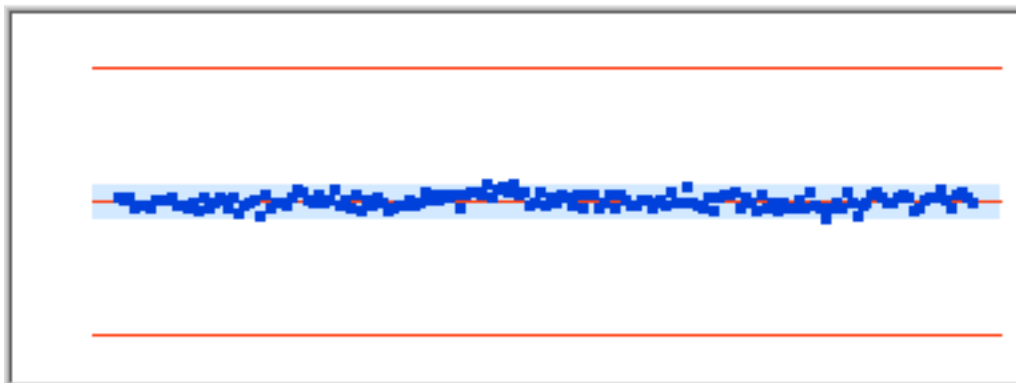


Figure128 Distribution 4358.4680Hz

Bar Chart 2

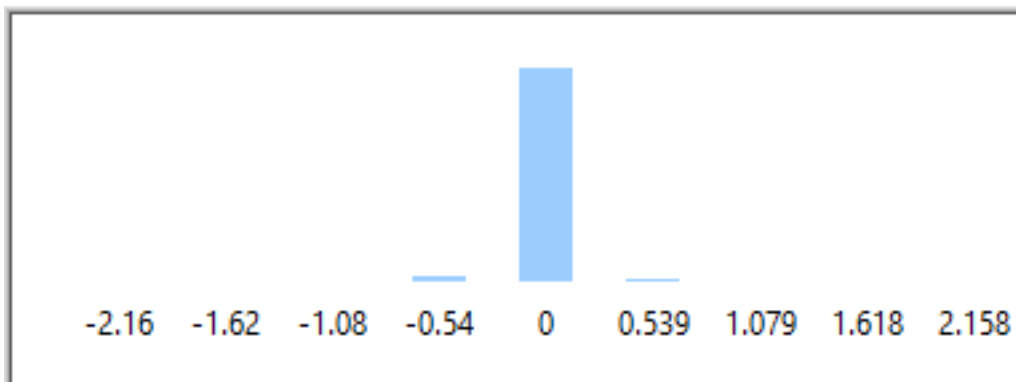


Figure129 Bar Chart 4358.4680Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 4511.7150 | -2.3255    | 2.3255     | 5.7905 | 5.7188 | 5.8623 | 5.7188 |

Distribution Chart 2

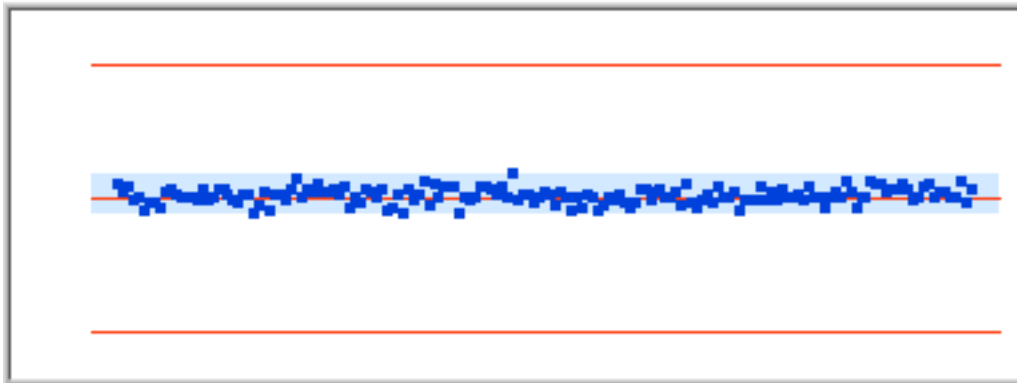


Figure130 Distribution 4511.7150Hz

Bar Chart 2

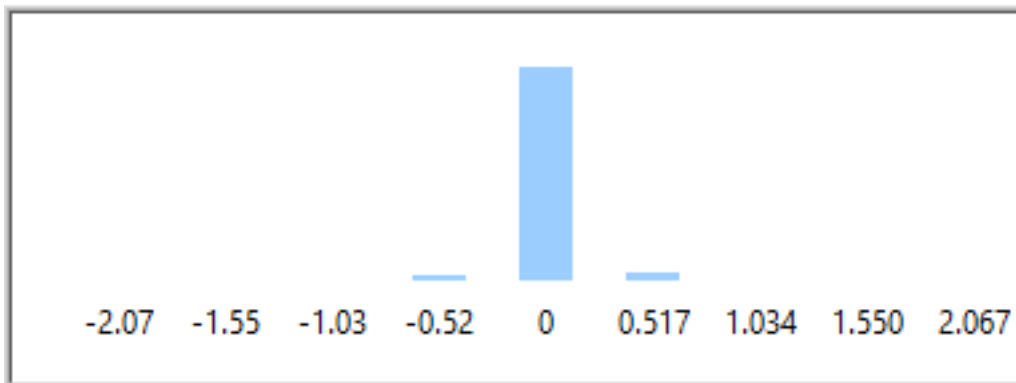


Figure131 Bar Chart 4511.7150Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 4670.8830 | -2.2194    | 2.2194     | 2.5824 | 2.4616 | 2.7032 | 2.4616 |

Distribution Chart 2

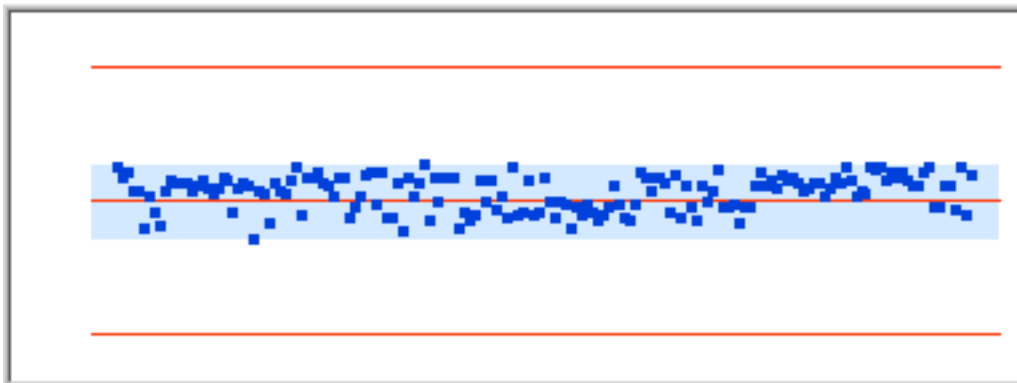


Figure132 Distribution 4670.8830Hz

Bar Chart 2

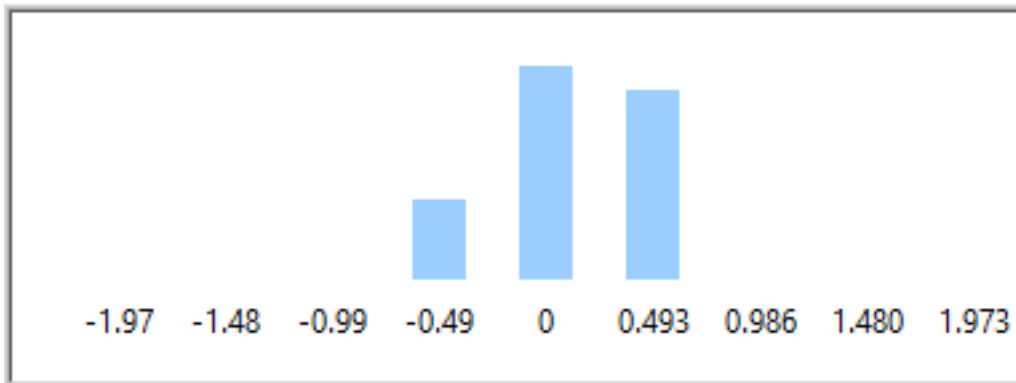


Figure133 Bar Chart 4670.8830Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 4835.6670 | -2.1096    | 2.3000     | 1.4460 | 1.3550 | 1.5370 | 1.3550 |

Distribution Chart 2

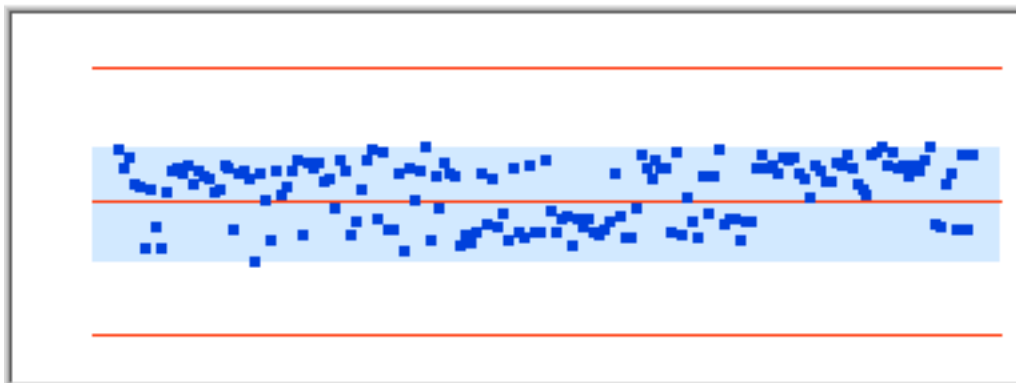


Figure134 Distribution 4835.6670Hz

Bar Chart 2

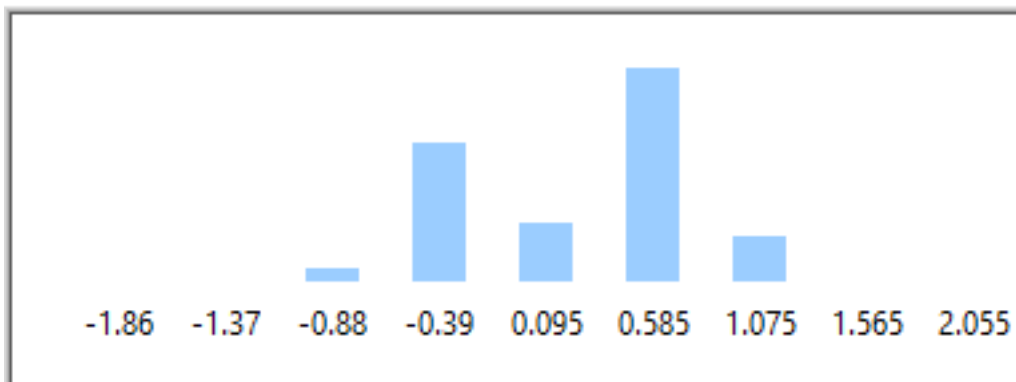


Figure135 Bar Chart 4835.6670Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 5005.6920 | -2.3000    | 3.0000     | 1.3459 | 1.3395 | 1.3395 | 1.3523 |

Distribution Chart 2

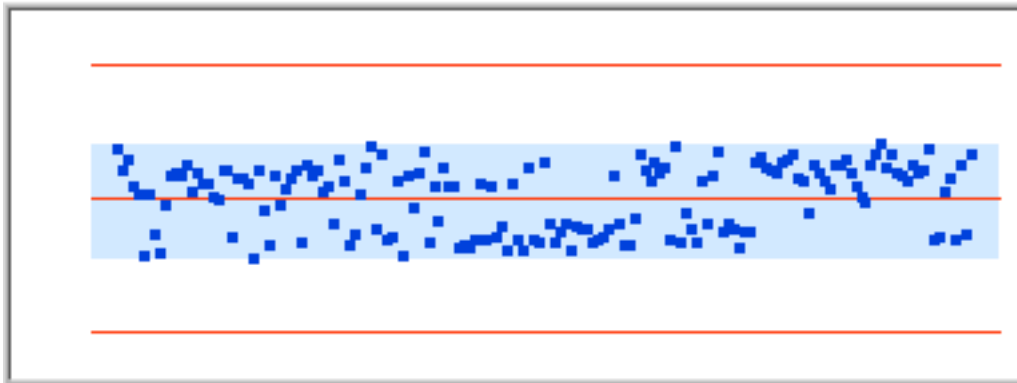


Figure136 Distribution 5005.6920Hz

Bar Chart 2

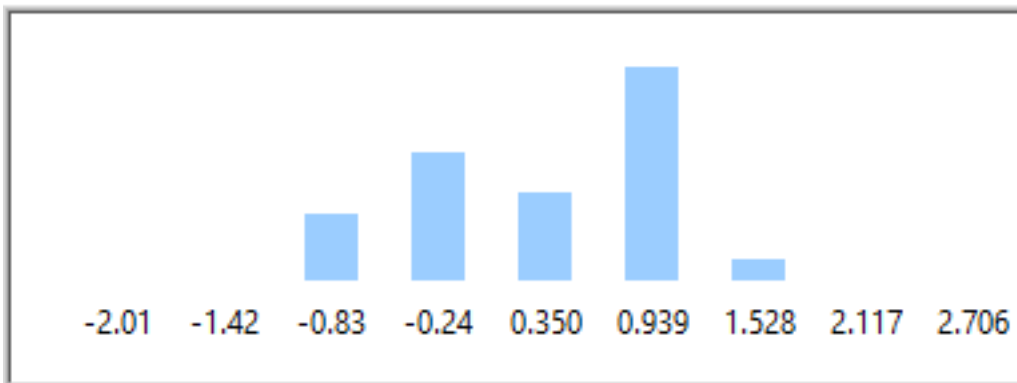


Figure137 Bar Chart 5005.6920Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 5182.2880 | -2.2000    | 2.9000     | 1.3396 | 1.3314 | 1.3314 | 1.3479 |

Distribution Chart 2

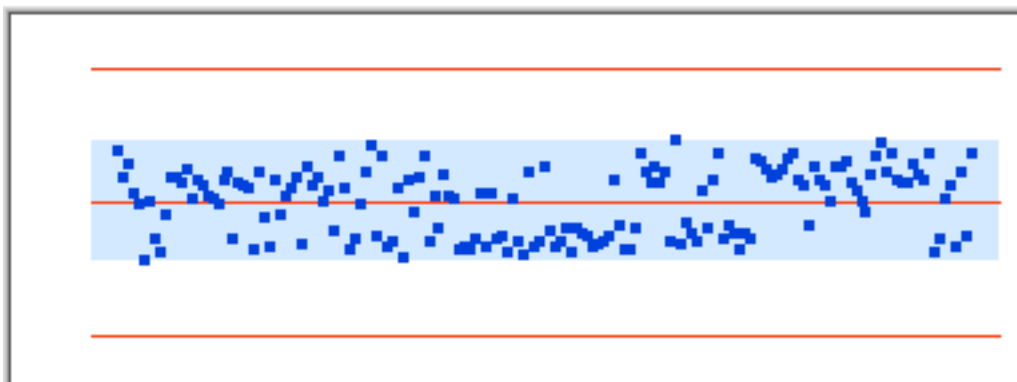


Figure138 Distribution 5182.2880Hz

Bar Chart 2

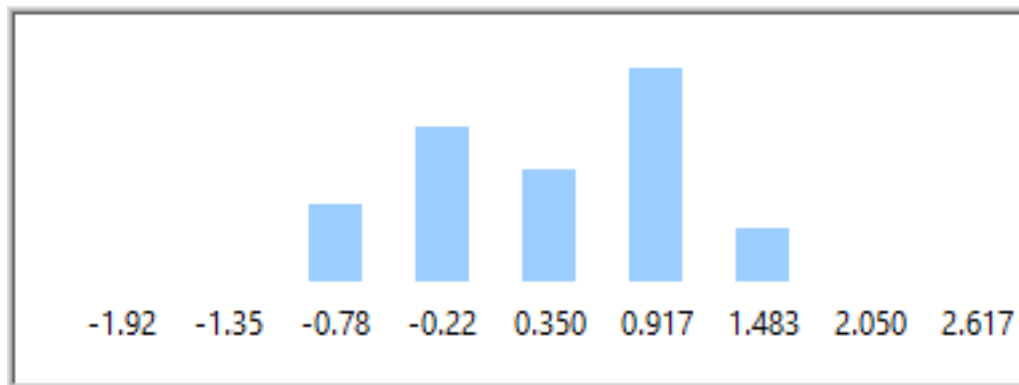


Figure139 Bar Chart 5182.2880Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 5365.1130 | -2.0609    | 2.0609     | 1.5268 | 1.3632 | 1.6903 | 1.3632 |

Distribution Chart 2

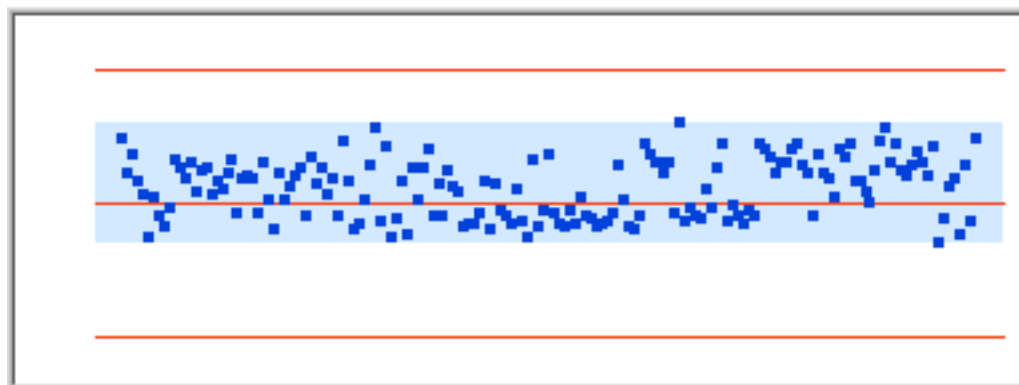


Figure140 Distribution 5365.1130Hz

Bar Chart 2

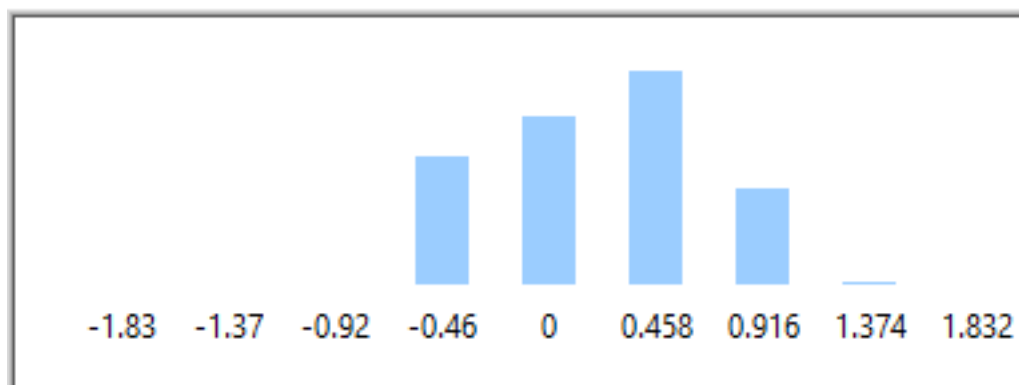


Figure141 Bar Chart 5365.1130Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 5553.7540 | -2.0923    | 2.0923     | 3.0694 | 2.9440 | 3.1949 | 2.9440 |

Distribution Chart 2

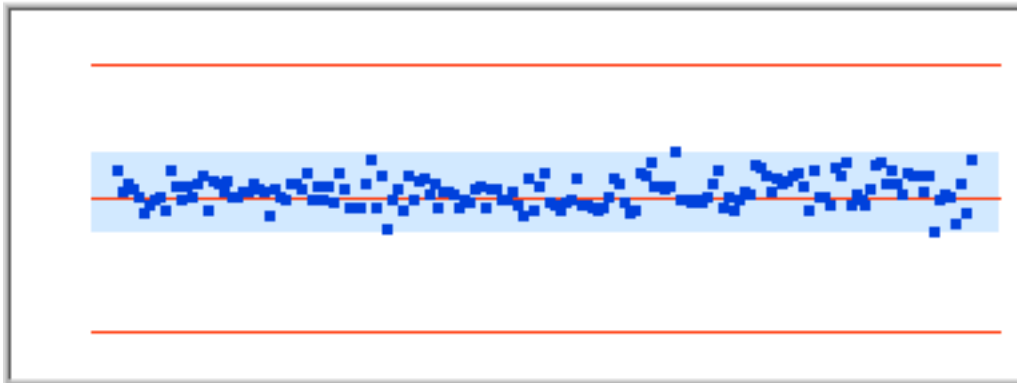


Figure142 Distribution 5553.7540Hz

Bar Chart 2

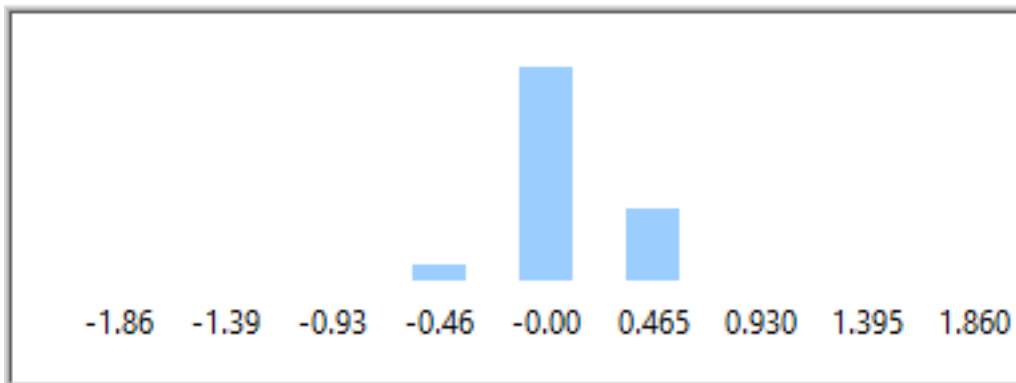


Figure143 Bar Chart 5553.7540Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 5749.6850 | -2.1249    | 2.1249     | 3.8255 | 3.8244 | 3.8265 | 3.8244 |

Distribution Chart 2

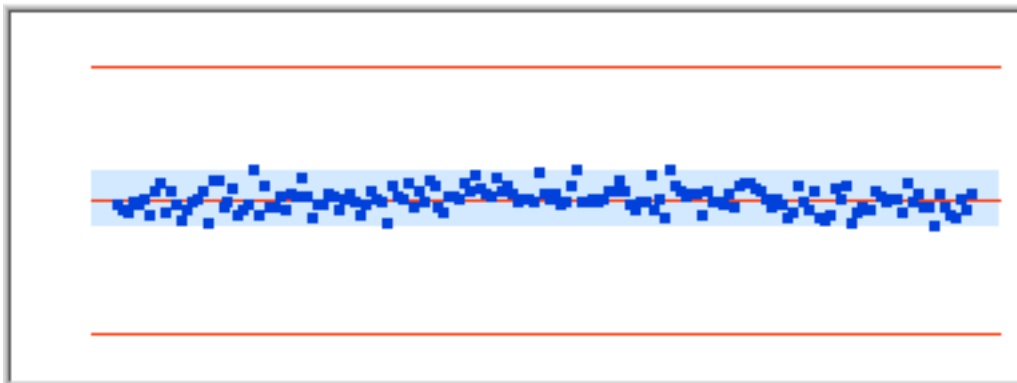


Figure144 Distribution 5749.6850Hz

Bar Chart 2

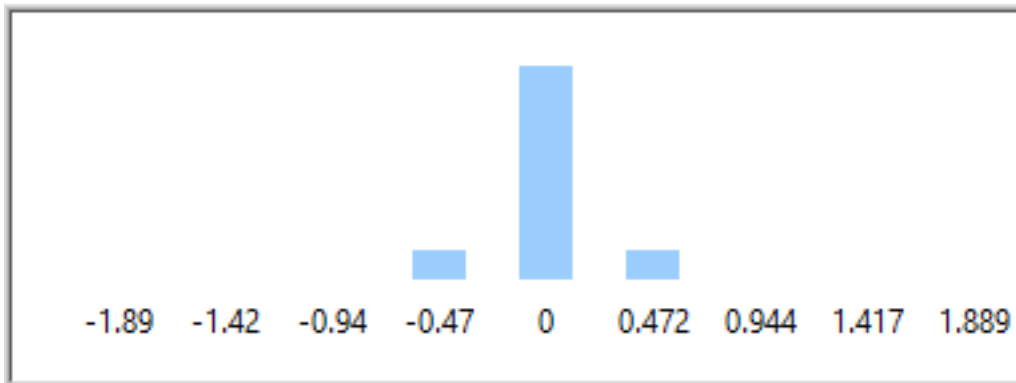


Figure145 Bar Chart 5749.6850Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 5951.8480 | -2.1586    | 2.1586     | 2.7860 | 2.7468 | 2.7468 | 2.8253 |

Distribution Chart 2

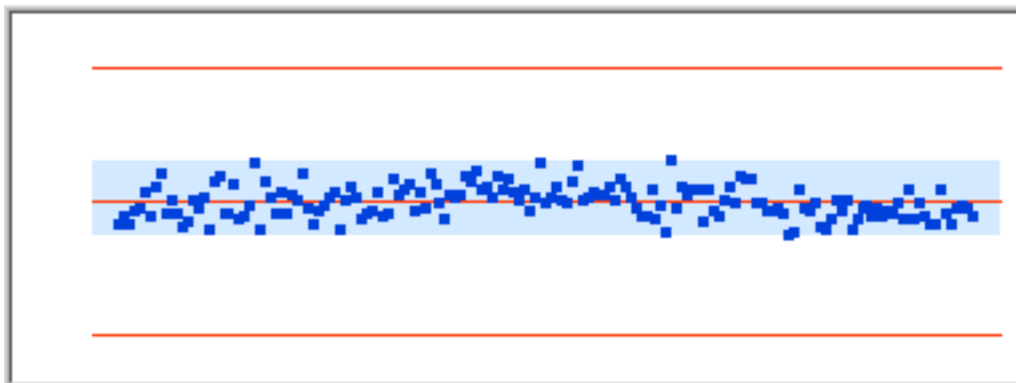


Figure146 Distribution 5951.8480Hz

Bar Chart 2

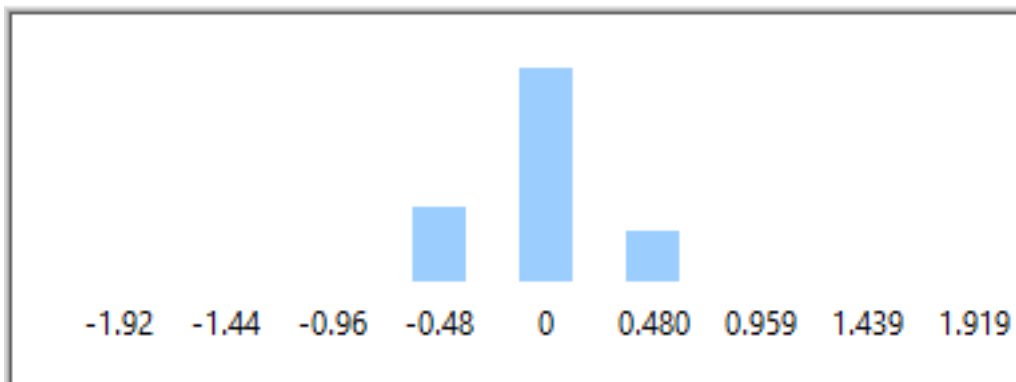


Figure147 Bar Chart 5951.8480Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 6161.8220 | -2.1936    | 2.1936     | 2.5165 | 2.4803 | 2.4803 | 2.5527 |

Distribution Chart 2

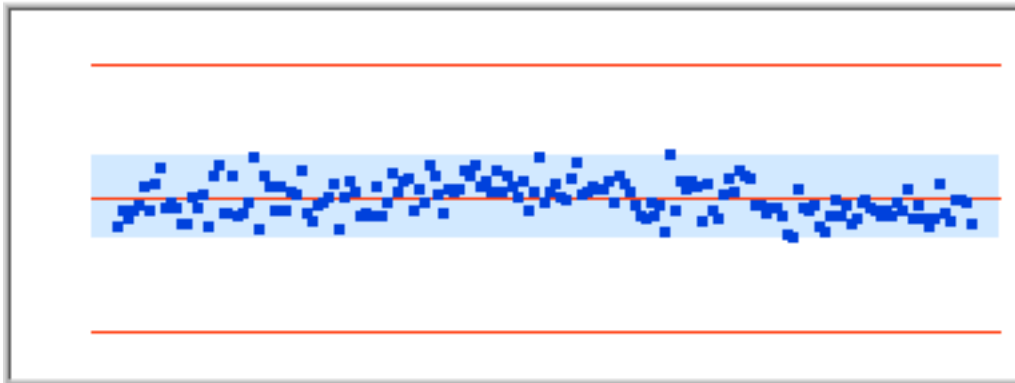


Figure148 Distribution 6161.8220Hz

Bar Chart 2

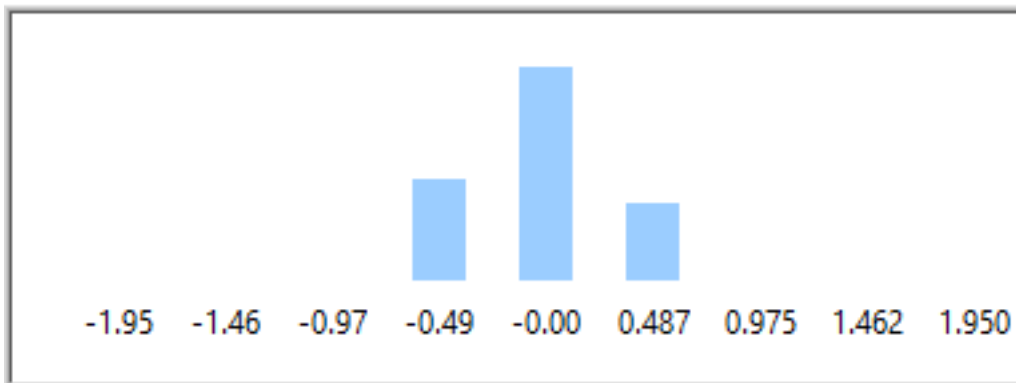


Figure149 Bar Chart 6161.8220Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 6379.2050 | -2.2299    | 2.2299     | 2.5457 | 2.4981 | 2.4981 | 2.5933 |

Distribution Chart 2

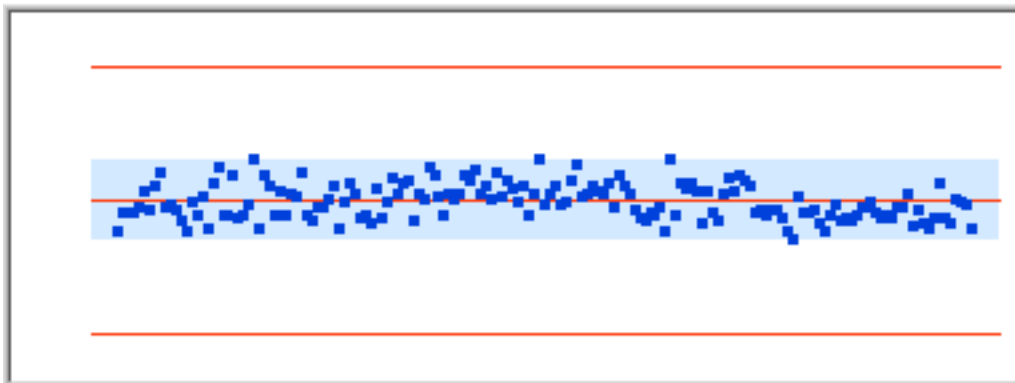


Figure150 Distribution 6379.2050Hz



Bar Chart 2

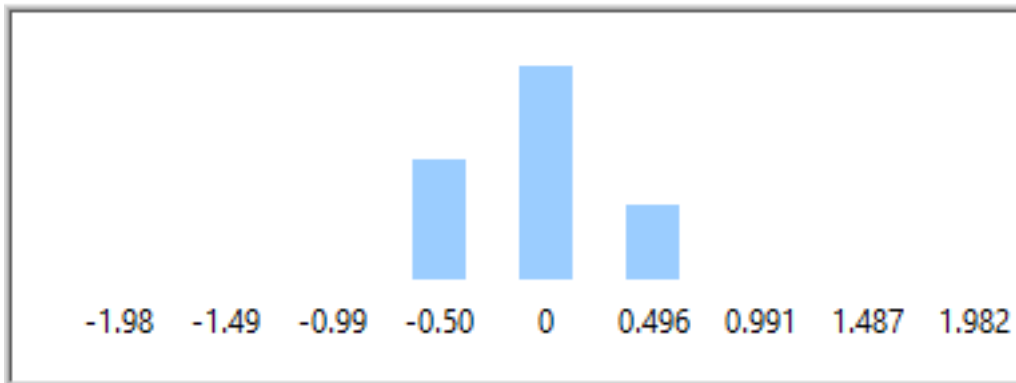


Figure151 Bar Chart 6379.2050Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 6603.5020 | -2.2673    | 2.2673     | 2.6401 | 2.5827 | 2.5827 | 2.6976 |

Distribution Chart 2

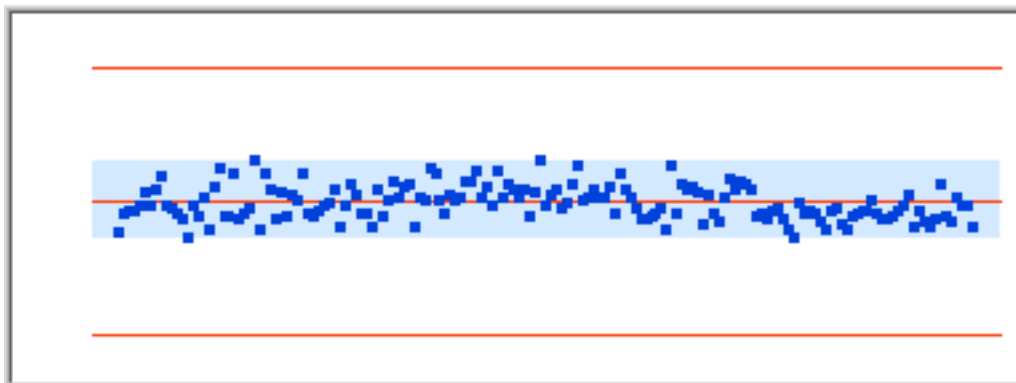


Figure152 Distribution 6603.5020Hz

Bar Chart 2

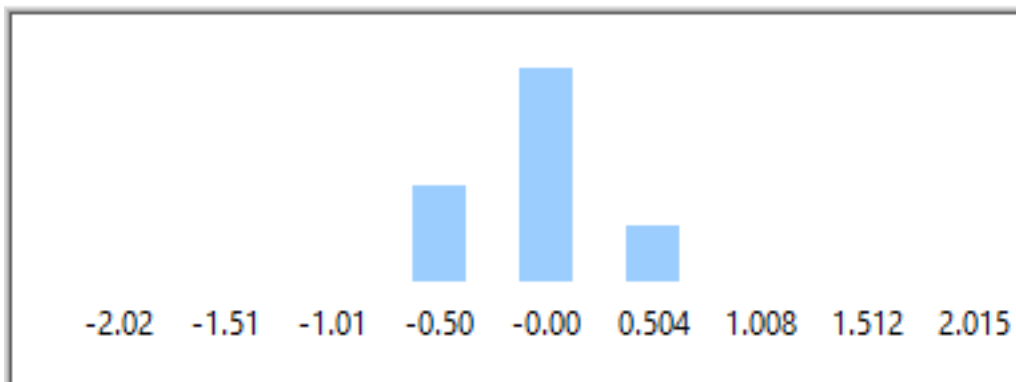


Figure153 Bar Chart 6603.5020Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 6836.4660 | -2.3061    | 2.3061     | 2.7363 | 2.6648 | 2.6648 | 2.8078 |

Distribution Chart 2

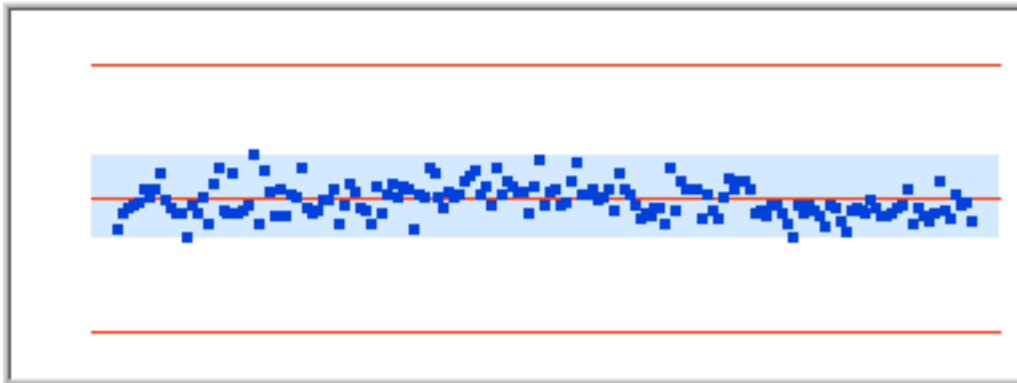


Figure154 Distribution 6836.4660Hz

Bar Chart 2

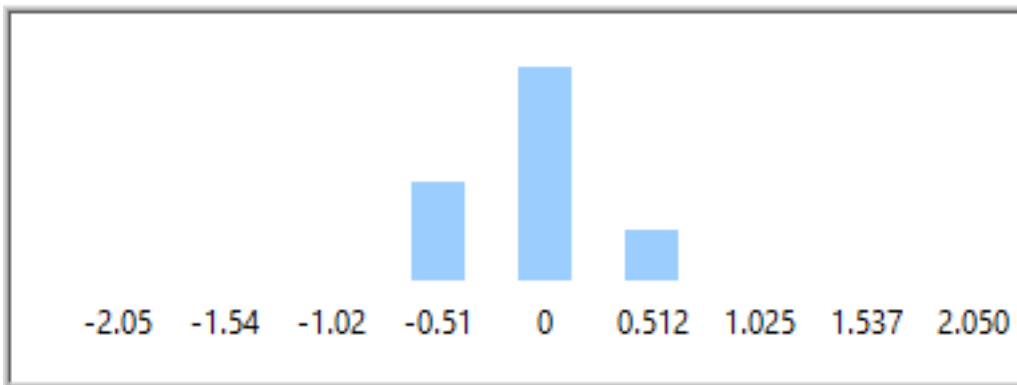


Figure155 Bar Chart 6836.4660Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 7077.6490 | -2.3463    | 2.3463     | 2.8449 | 2.7699 | 2.7699 | 2.9198 |

Distribution Chart 2

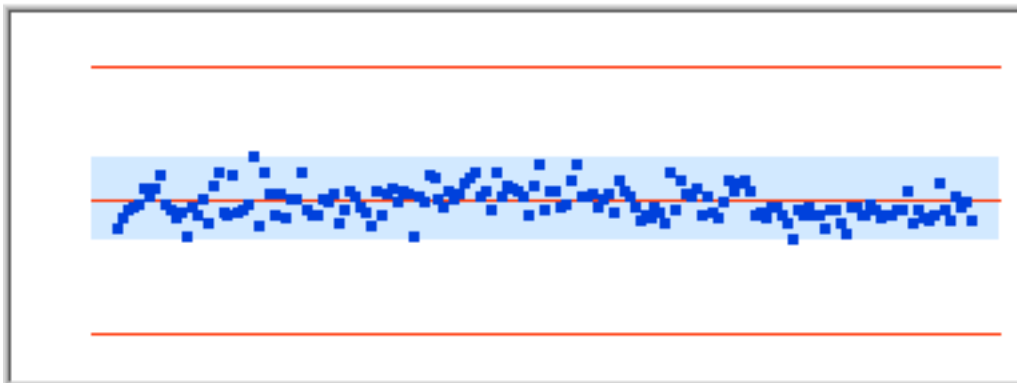


Figure156 Distribution 7077.6490Hz

Bar Chart 2

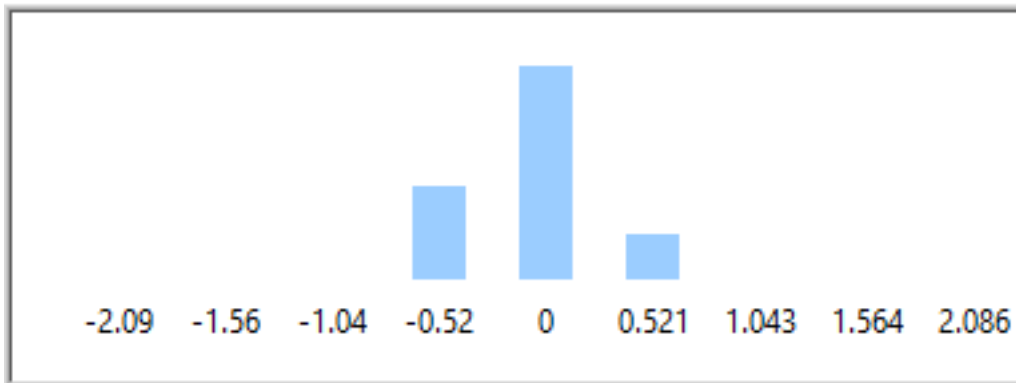


Figure157 Bar Chart 7077.6490Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 7326.5050 | -2.3878    | 2.3878     | 2.9178 | 2.8419 | 2.8419 | 2.9936 |

Distribution Chart 2

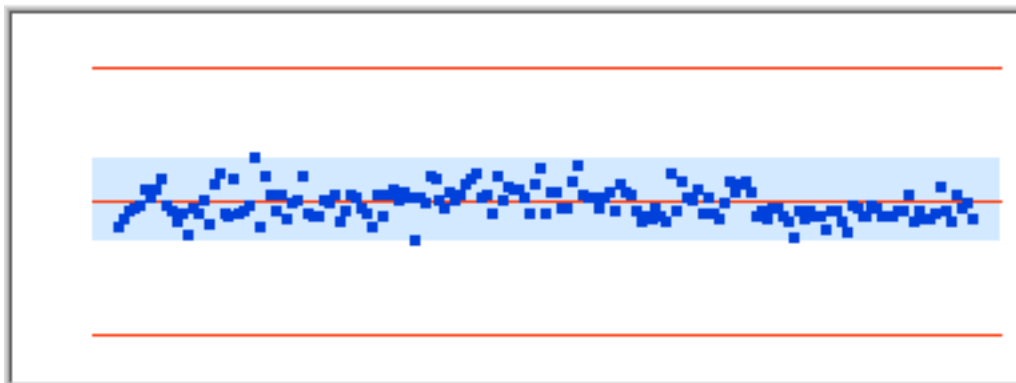


Figure158 Distribution 7326.5050Hz

Bar Chart 2

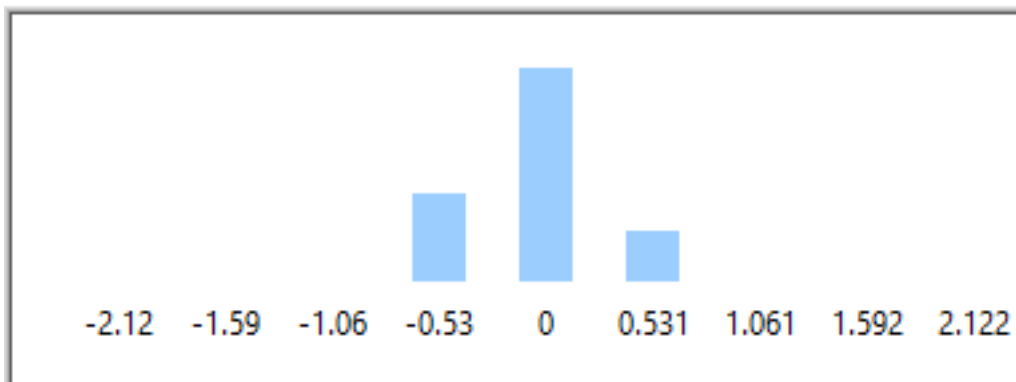


Figure159 Bar Chart 7326.5050Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 7584.9760 | -2.4308    | 2.4308     | 2.9301 | 2.8592 | 2.8592 | 3.0011 |

Distribution Chart 2

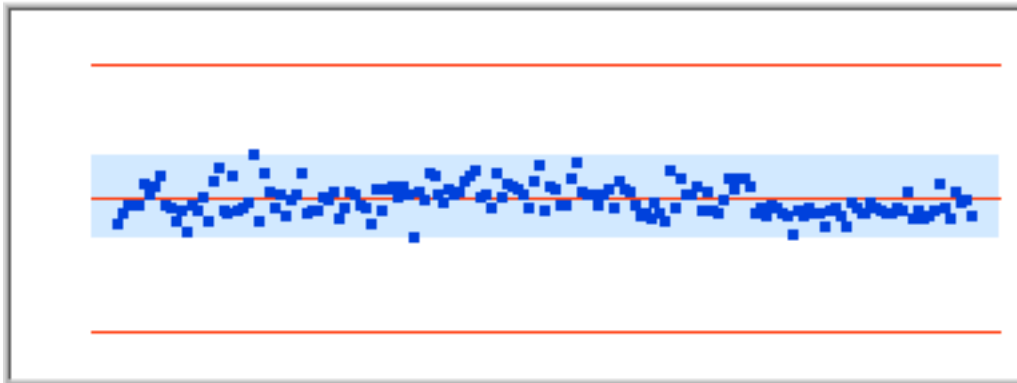


Figure160 Distribution 7584.9760Hz

Bar Chart 2

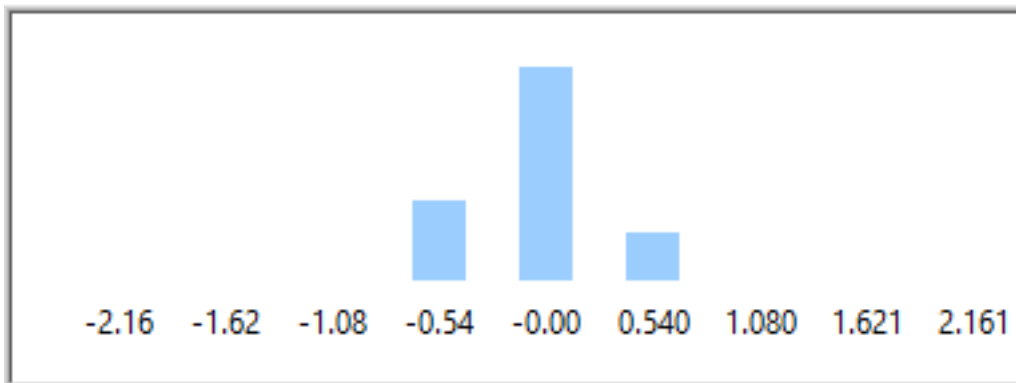


Figure161 Bar Chart 7584.9760Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 7852.5640 | -2.4754    | 2.4754     | 2.8936 | 2.8305 | 2.8305 | 2.9566 |

Distribution Chart 2

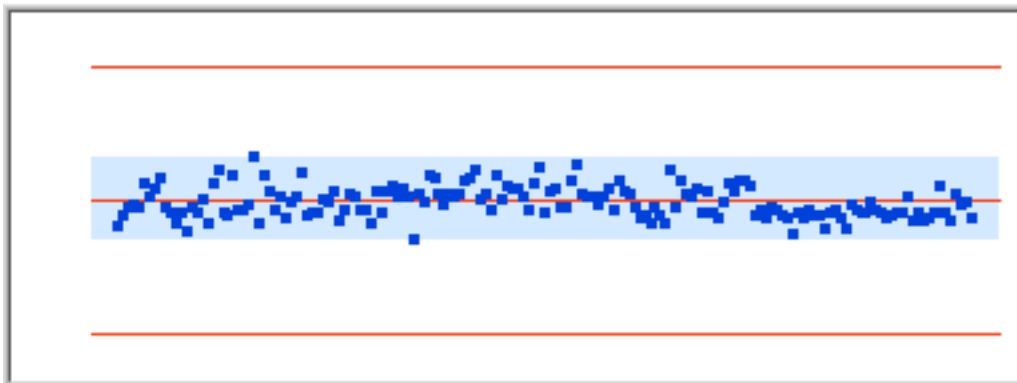


Figure162 Distribution 7852.5640Hz

Bar Chart 2

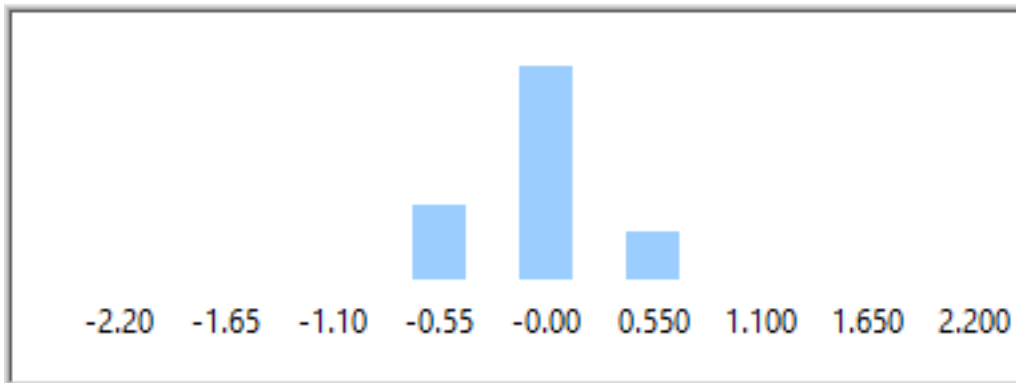


Figure163 Bar Chart 7852.5640Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 8128.6670 | -2.5429    | 2.5429     | 2.8498 | 2.7992 | 2.7992 | 2.9005 |

Distribution Chart 2

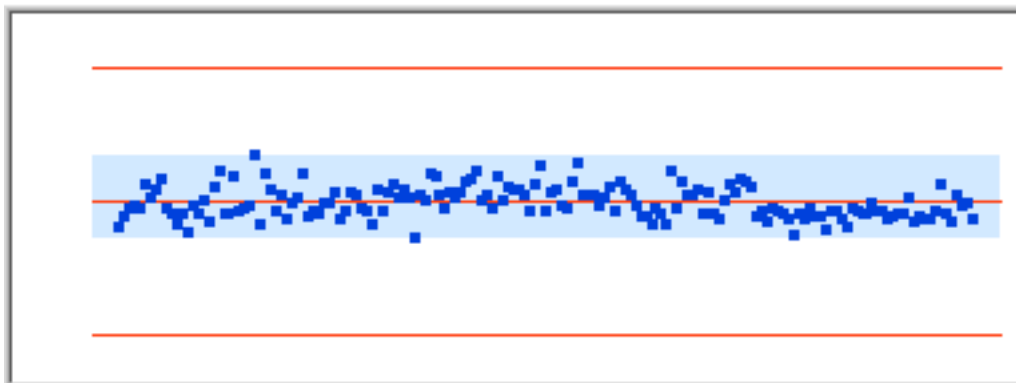


Figure164 Distribution 8128.6670Hz

Bar Chart 2

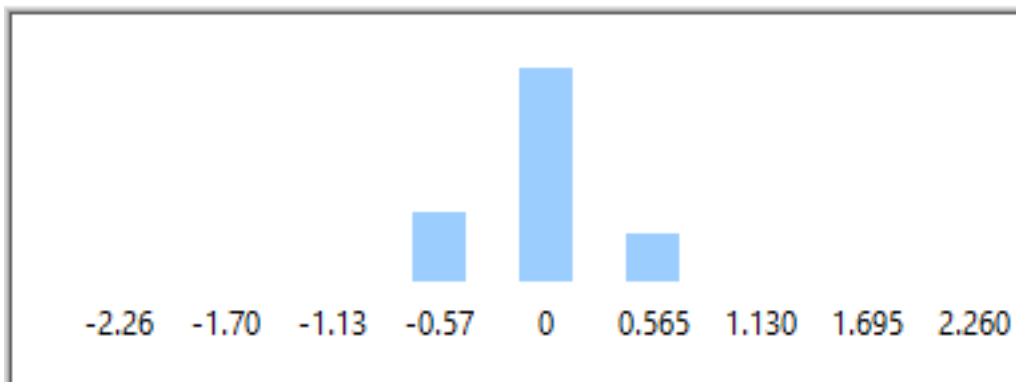


Figure165 Bar Chart 8128.6670Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 8415.4370 | -2.6385    | 2.6385     | 2.8173 | 2.7688 | 2.7688 | 2.8658 |

Distribution Chart 2

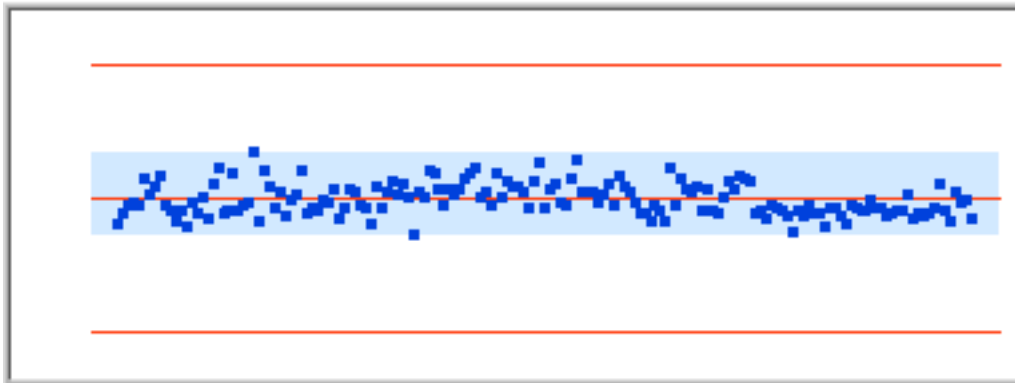


Figure166 Distribution 8415.4370Hz

Bar Chart 2

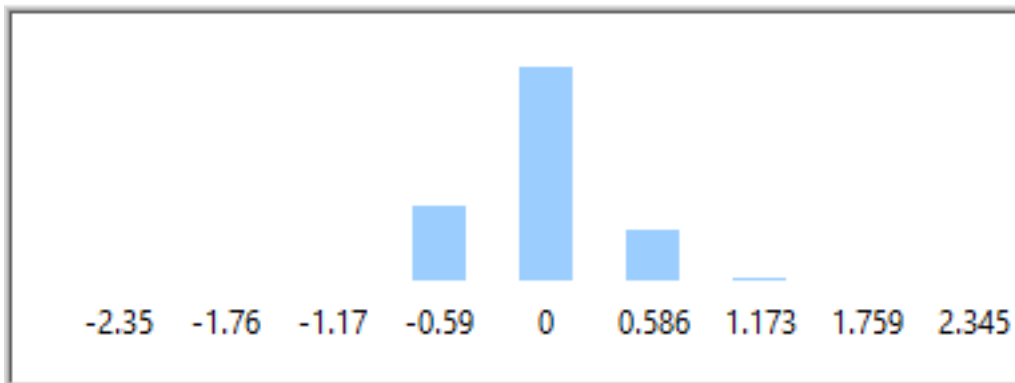


Figure167 Bar Chart 8415.4370Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 8711.3310 | -2.7371    | 2.7371     | 2.7894 | 2.7209 | 2.7209 | 2.8578 |

Distribution Chart 2

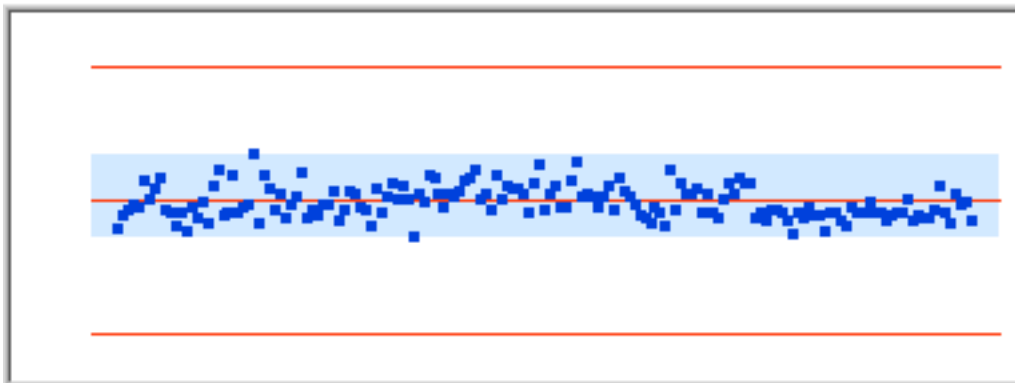


Figure168 Distribution 8711.3310Hz

Bar Chart 2

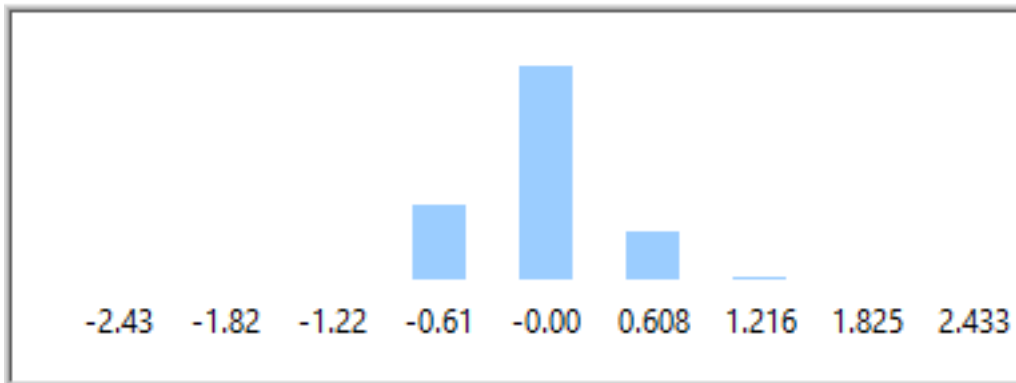


Figure169 Bar Chart 8711.3310Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 9018.6560 | -2.8396    | 2.8396     | 2.7624 | 2.6587 | 2.6587 | 2.8662 |

Distribution Chart 2

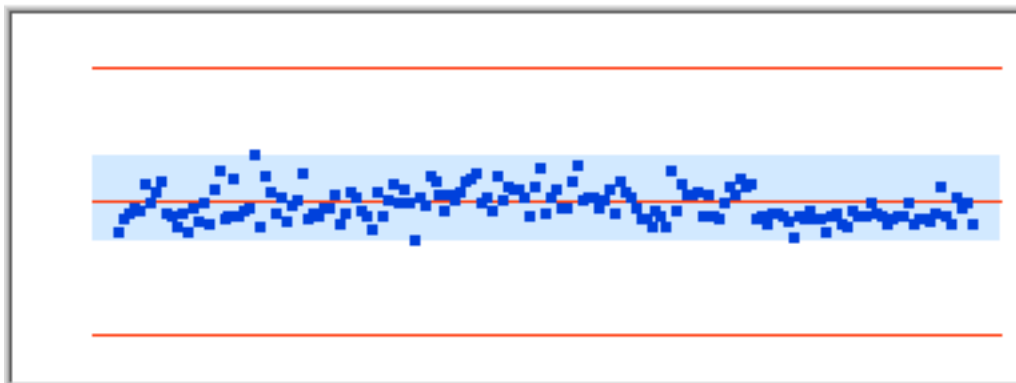


Figure170 Distribution 9018.6560Hz

Bar Chart 2

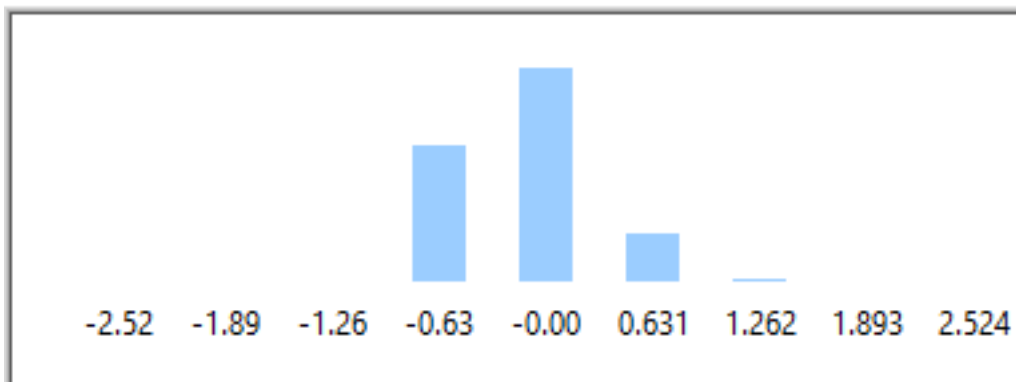


Figure171 Bar Chart 9018.6560Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 9336.8240 | -2.9456    | 2.9456     | 2.7325 | 2.5862 | 2.5862 | 2.8787 |

Distribution Chart 2

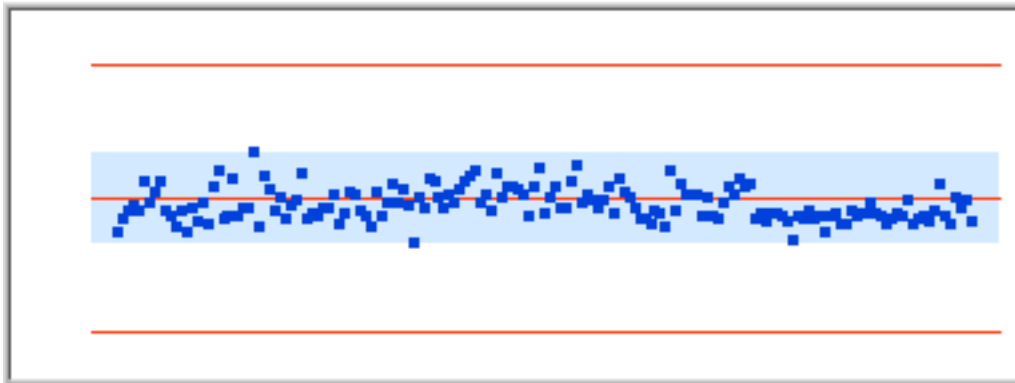


Figure172 Distribution 9336.8240Hz

Bar Chart 2

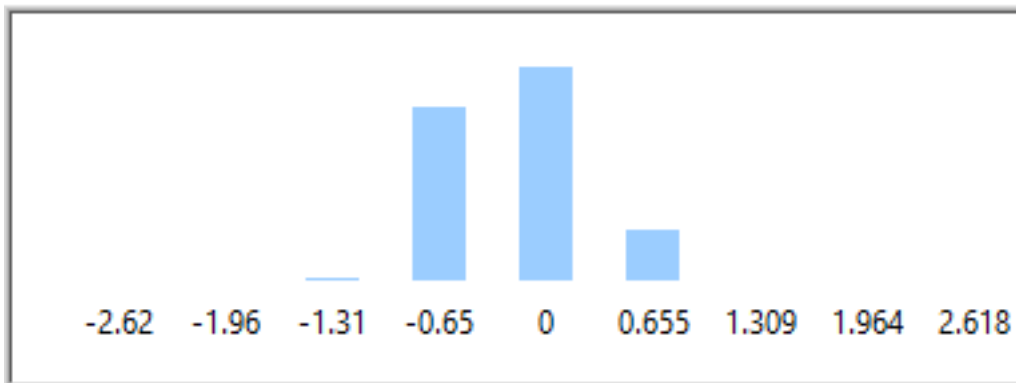


Figure173 Bar Chart 9336.8240Hz

| Frequency | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|-----------|------------|------------|--------|--------|--------|--------|
| 9665.1140 | -3.0550    | 3.0550     | 2.6623 | 2.4787 | 2.4787 | 2.8459 |

Distribution Chart 2

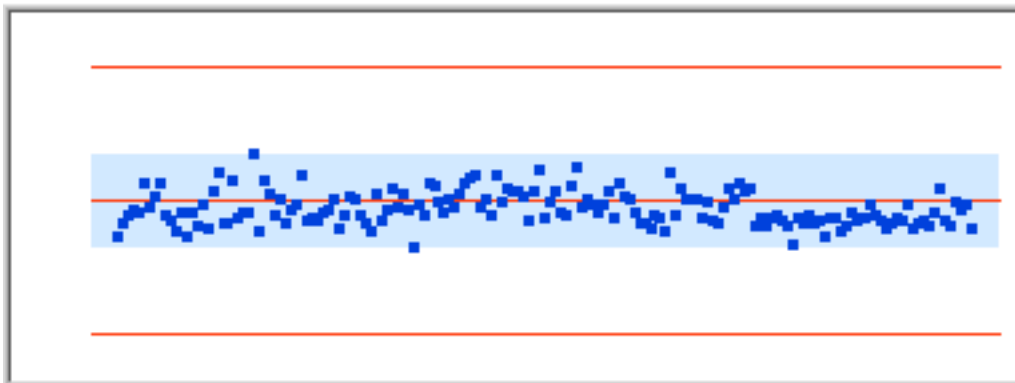


Figure174 Distribution 9665.1140Hz



Bar Chart 2

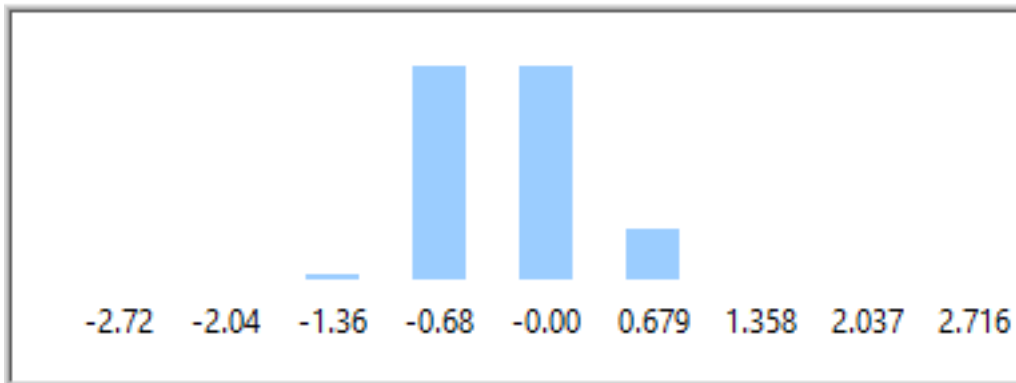


Figure175 Bar Chart 9665.1140Hz

| Frequency  | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|------------|------------|------------|--------|--------|--------|--------|
| 10006.0890 | -3.1687    | 3.1687     | 2.5343 | 2.3227 | 2.3227 | 2.7459 |

Distribution Chart 2

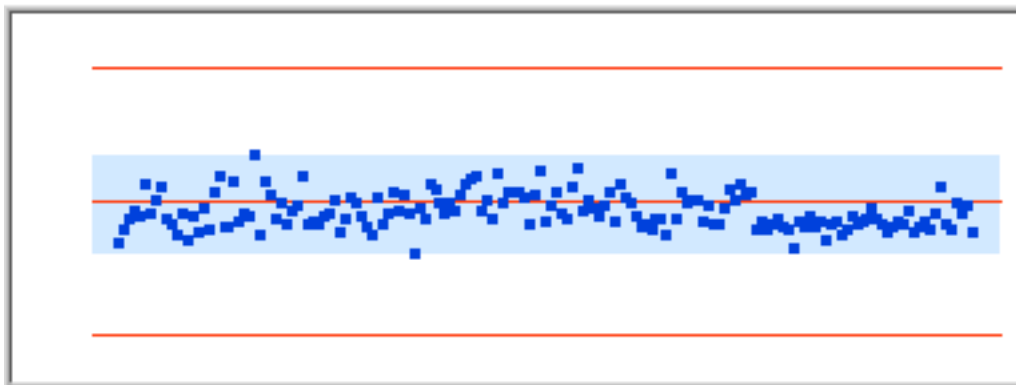


Figure176 Distribution 10006.0890Hz

Bar Chart 2

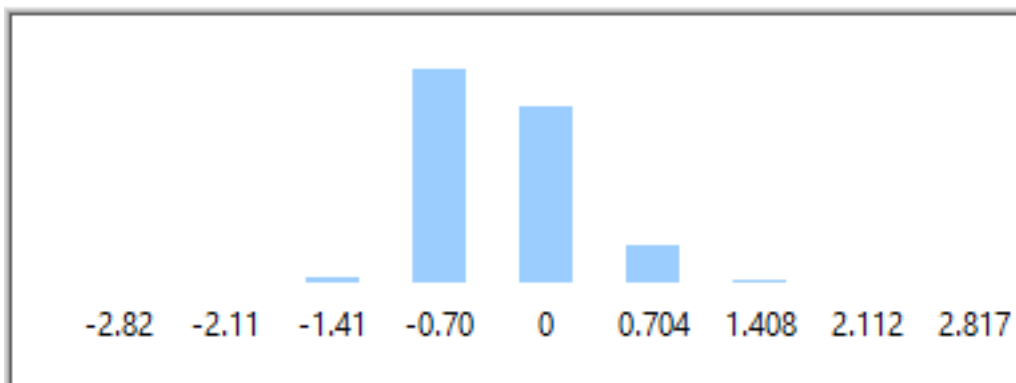


Figure177 Bar Chart 10006.0890Hz

| Frequency | LowerLimit | UpperLimit | CP | CPK | Cpl | Cpu |
|-----------|------------|------------|----|-----|-----|-----|
|-----------|------------|------------|----|-----|-----|-----|

|                |         |        |        |        |        |        |
|----------------|---------|--------|--------|--------|--------|--------|
| 10359.092<br>0 | -3.2864 | 3.2864 | 2.3515 | 2.1319 | 2.1319 | 2.5711 |
|----------------|---------|--------|--------|--------|--------|--------|

Distribution Chart 2

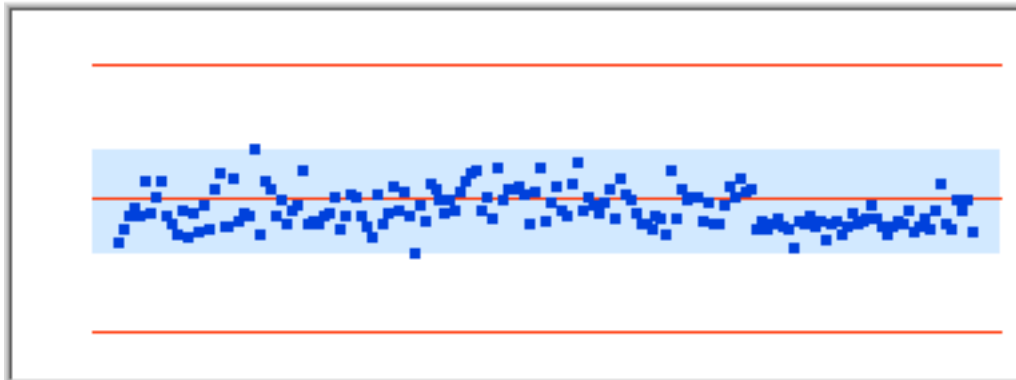


Figure178 Distribution 10359.0920Hz

Bar Chart 2

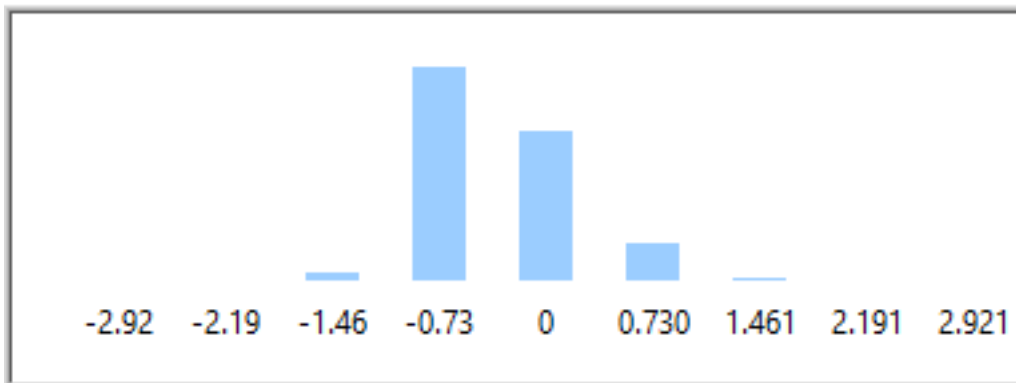


Figure179 Bar Chart 10359.0920Hz

| Frequency      | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|----------------|------------|------------|--------|--------|--------|--------|
| 10723.326<br>0 | -3.4078    | 3.4078     | 2.1443 | 1.9262 | 1.9262 | 2.3623 |

Distribution Chart 2

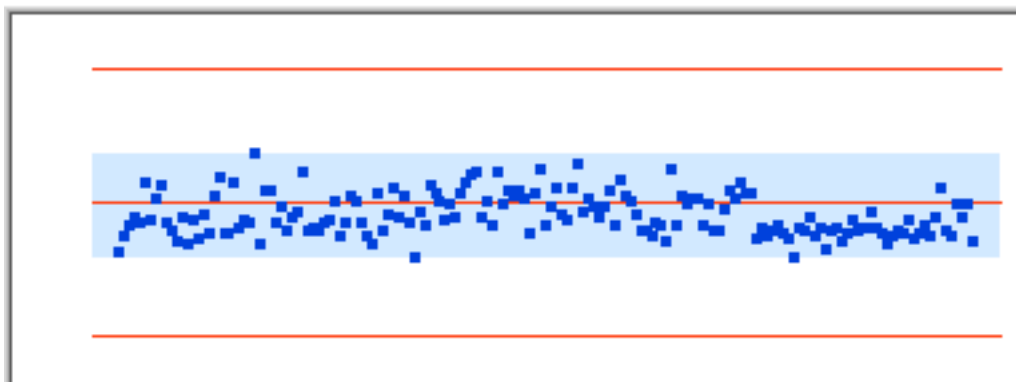


Figure180 Distribution 10723.3260Hz

Bar Chart 2

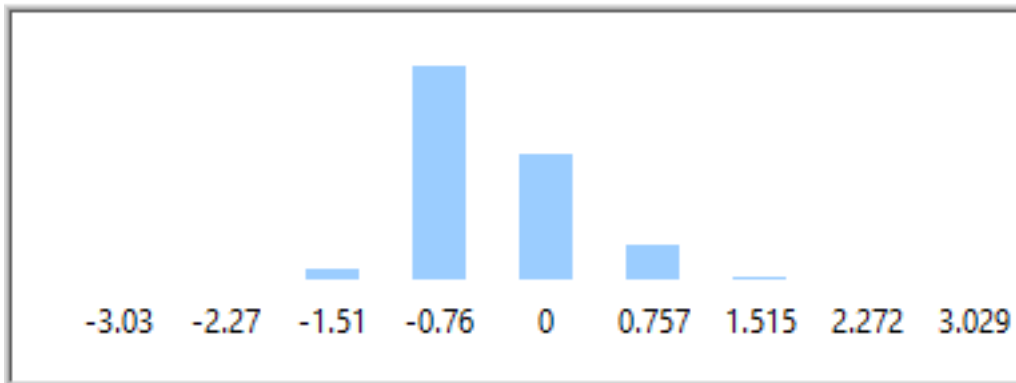


Figure181 Bar Chart 10723.3260Hz

| Frequency  | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|------------|------------|------------|--------|--------|--------|--------|
| 11101.6330 | -3.5339    | 3.5339     | 1.9488 | 1.7397 | 1.7397 | 2.1580 |

Distribution Chart 2

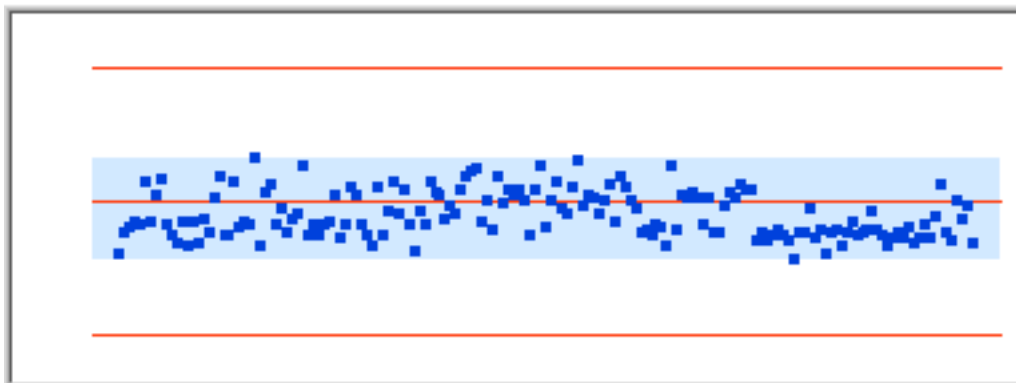


Figure182 Distribution 11101.6330Hz

Bar Chart 2

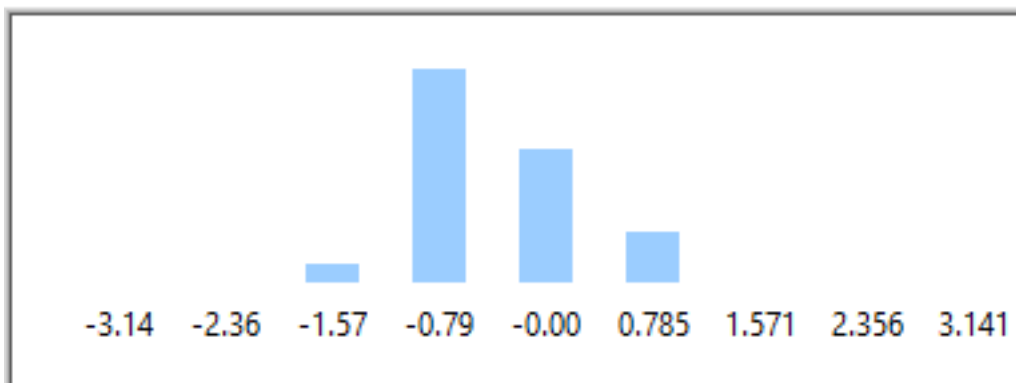


Figure183 Bar Chart 11101.6330Hz

| Frequency | LowerLimit | UpperLimit | CP | CPK | Cpl | Cpu |
|-----------|------------|------------|----|-----|-----|-----|
|-----------|------------|------------|----|-----|-----|-----|

|                |         |        |        |        |        |        |
|----------------|---------|--------|--------|--------|--------|--------|
| 11493.285<br>0 | -3.6644 | 3.6644 | 1.7384 | 1.5707 | 1.5707 | 1.9060 |
|----------------|---------|--------|--------|--------|--------|--------|

Distribution Chart 2

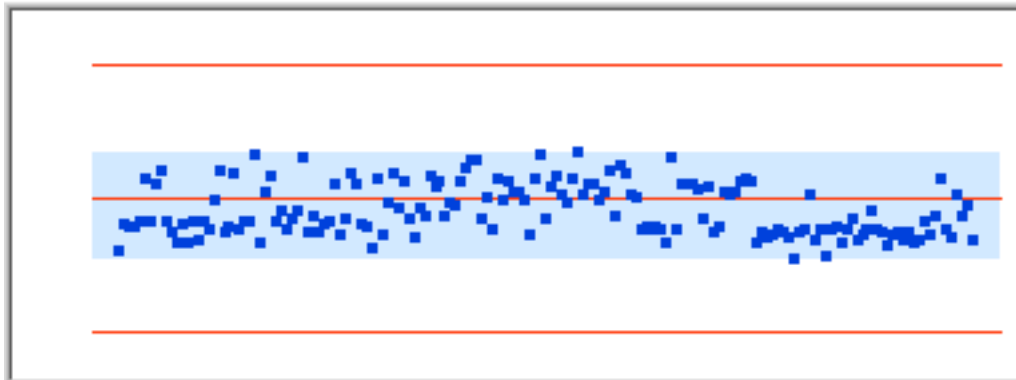


Figure184 Distribution 11493.2850Hz

Bar Chart 2

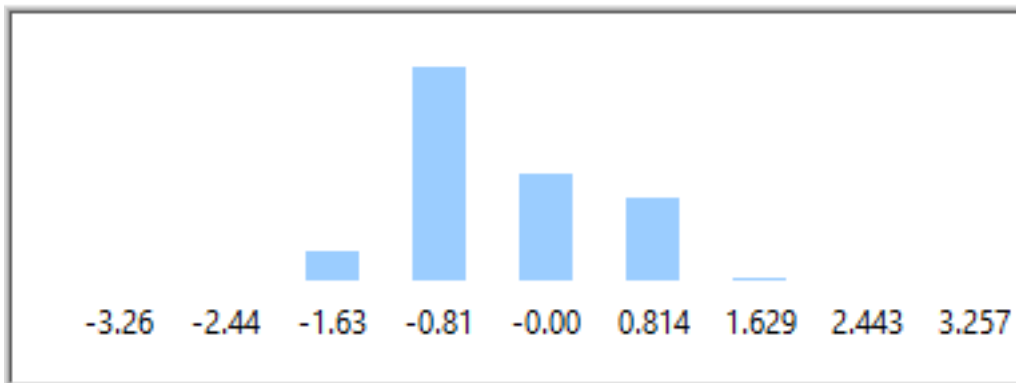


Figure185 Bar Chart 11493.2850Hz

| Frequency      | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|----------------|------------|------------|--------|--------|--------|--------|
| 11897.398<br>0 | -3.7991    | 3.7991     | 1.7981 | 1.6899 | 1.6899 | 1.9064 |

Distribution Chart 2

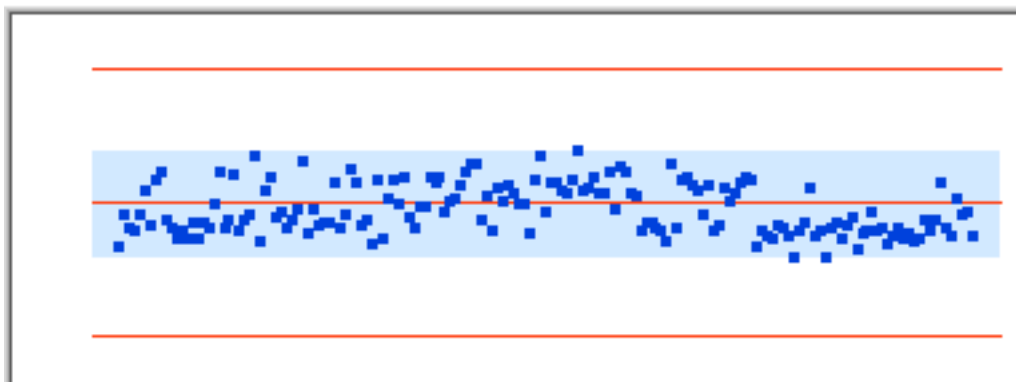


Figure186 Distribution 11897.3980Hz

Bar Chart 2

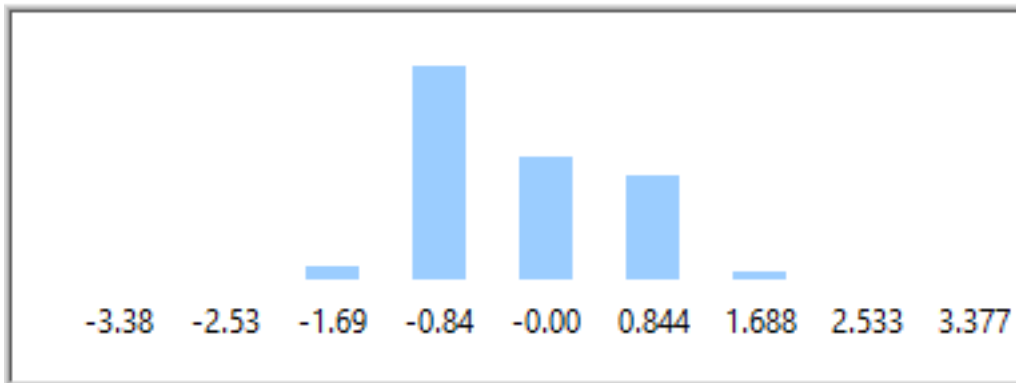


Figure187 Bar Chart 11897.3980Hz

| Frequency  | LowerLimit | UpperLimit | CP     | CPK    | Cpl    | Cpu    |
|------------|------------|------------|--------|--------|--------|--------|
| 12317.1250 | -3.9390    | 3.9390     | 3.5516 | 3.3788 | 3.3788 | 3.7245 |

Distribution Chart 2

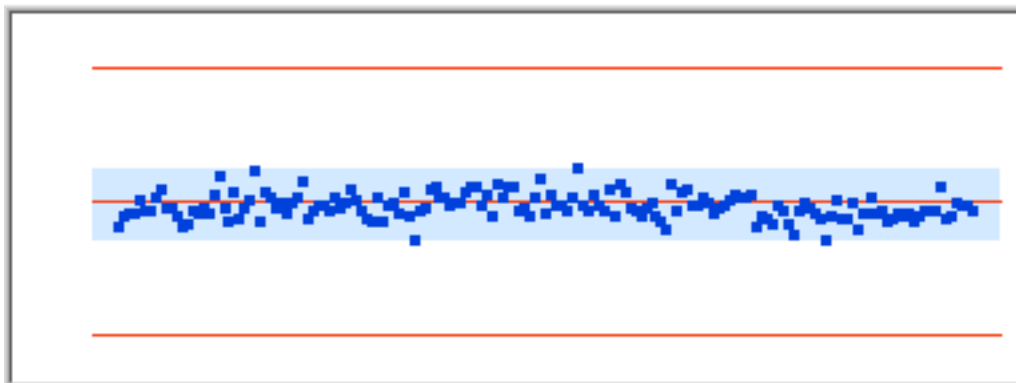


Figure188 Distribution 12317.1250Hz

Bar Chart 2

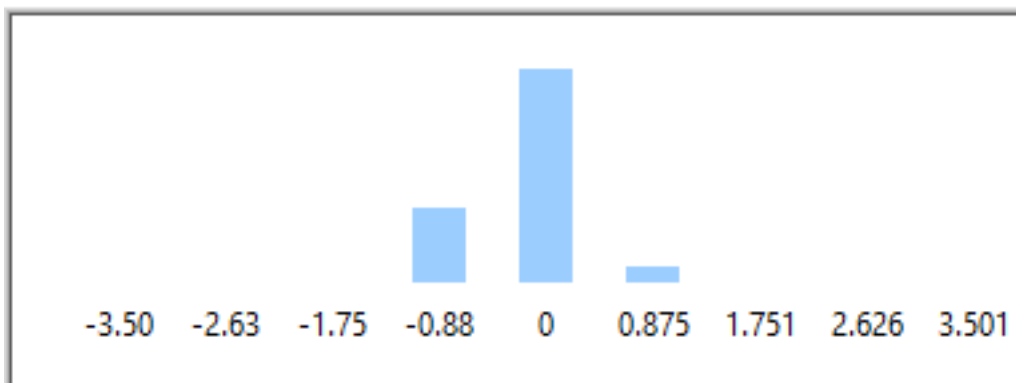


Figure189 Bar Chart 12317.1250Hz