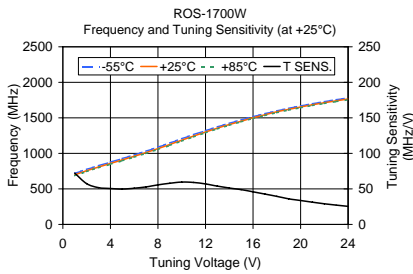


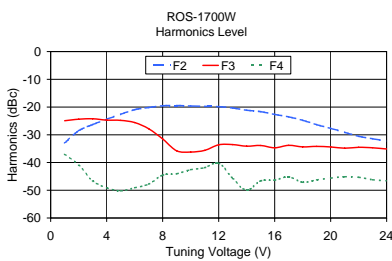
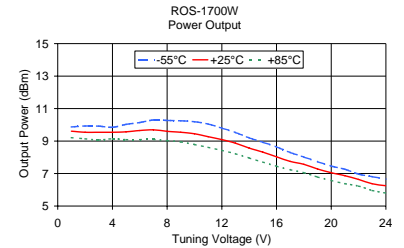


# ROS-1700W+ ROS-1700W

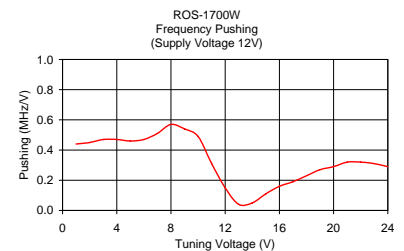
## Performance Data & Curves



| V TUNE | TUNING SENS. (MHz/V) | FREQUENCY (MHz) |         |         | POWER OUTPUT (dBm) |       |       |
|--------|----------------------|-----------------|---------|---------|--------------------|-------|-------|
|        |                      | -55°C           | +25°C   | +85°C   | -55°C              | +25°C | +85°C |
| 1.00   | 72.21                | 717.99          | 698.31  | 686.70  | 9.87               | 9.61  | 9.21  |
| 2.00   | 57.41                | 774.24          | 755.73  | 744.68  | 9.93               | 9.54  | 9.14  |
| 3.00   | 51.80                | 825.68          | 807.53  | 796.55  | 9.92               | 9.54  | 9.07  |
| 4.00   | 50.48                | 876.46          | 858.01  | 846.82  | 9.85               | 9.54  | 9.14  |
| 5.00   | 49.81                | 926.86          | 907.82  | 896.43  | 10.03              | 9.57  | 9.09  |
| 6.00   | 50.92                | 978.23          | 958.74  | 946.84  | 10.14              | 9.65  | 9.09  |
| 7.00   | 52.81                | 1031.26         | 1011.54 | 999.24  | 10.30              | 9.69  | 9.10  |
| 8.00   | 55.62                | 1087.44         | 1067.16 | 1054.55 | 10.27              | 9.60  | 9.03  |
| 9.00   | 57.92                | 1146.06         | 1125.08 | 1112.31 | 10.25              | 9.54  | 8.95  |
| 10.00  | 59.59                | 1205.42         | 1184.67 | 1172.03 | 10.19              | 9.45  | 8.79  |
| 11.00  | 59.04                | 1263.98         | 1243.71 | 1231.35 | 10.05              | 9.27  | 8.62  |
| 12.00  | 56.99                | 1319.63         | 1300.70 | 1289.01 | 9.80               | 9.09  | 8.43  |
| 13.00  | 53.96                | 1372.27         | 1354.66 | 1343.65 | 9.53               | 8.87  | 8.22  |
| 14.00  | 51.27                | 1422.56         | 1405.93 | 1395.45 | 9.20               | 8.57  | 7.96  |
| 15.00  | 48.93                | 1471.01         | 1451.86 | 1444.45 | 8.93               | 8.32  | 7.71  |
| 16.00  | 45.89                | 1516.40         | 1500.75 | 1490.55 | 8.64               | 8.03  | 7.45  |
| 17.00  | 42.66                | 1558.84         | 1543.41 | 1533.21 | 8.30               | 7.75  | 7.24  |
| 18.00  | 39.47                | 1597.98         | 1585.88 | 1572.71 | 8.02               | 7.57  | 7.05  |
| 19.00  | 36.01                | 1633.81         | 1618.89 | 1608.74 | 7.73               | 7.28  | 6.79  |
| 20.00  | 33.62                | 1667.41         | 1652.51 | 1642.26 | 7.46               | 7.05  | 6.58  |
| 21.00  | 31.30                | 1698.53         | 1683.81 | 1673.57 | 7.27               | 6.87  | 6.38  |
| 22.00  | 29.01                | 1727.54         | 1712.82 | 1702.64 | 6.97               | 6.64  | 6.23  |
| 23.00  | 27.20                | 1754.81         | 1740.02 | 1729.73 | 6.81               | 6.37  | 5.96  |
| 24.00  | 25.41                | 1780.22         | 1765.43 | 1755.05 | 6.66               | 6.25  | 5.80  |



| V TUNE | HARMONICS (dBc) |        |        | FREQ. PUSHING (MHz/V) |
|--------|-----------------|--------|--------|-----------------------|
|        | F2              | F3     | F4     |                       |
| 1.00   | -32.97          | -24.94 | -37.01 | 0.44                  |
| 2.00   | -28.53          | -24.38 | -40.92 | 0.45                  |
| 3.00   | -26.31          | -24.24 | -46.58 | 0.47                  |
| 4.00   | -24.39          | -24.70 | -49.09 | 0.47                  |
| 5.00   | -22.59          | -24.80 | -50.20 | 0.46                  |
| 6.00   | -20.94          | -25.58 | -49.09 | 0.47                  |
| 7.00   | -20.15          | -27.83 | -47.77 | 0.51                  |
| 8.00   | -19.53          | -31.49 | -44.55 | 0.57                  |
| 9.00   | -19.44          | -35.77 | -44.03 | 0.54                  |
| 10.00  | -19.61          | -36.21 | -42.59 | 0.49                  |
| 11.00  | -19.74          | -35.63 | -41.85 | 0.31                  |
| 12.00  | -19.84          | -33.60 | -40.22 | 0.15                  |
| 13.00  | -20.33          | -33.52 | -45.70 | 0.04                  |
| 14.00  | -21.14          | -34.10 | -49.94 | 0.05                  |
| 15.00  | -21.65          | -33.86 | -46.61 | 0.11                  |
| 16.00  | -22.64          | -34.68 | -46.33 | 0.16                  |
| 17.00  | -23.53          | -33.82 | -45.14 | 0.19                  |
| 18.00  | -24.77          | -34.36 | -47.10 | 0.23                  |
| 19.00  | -26.34          | -34.18 | -46.26 | 0.27                  |
| 20.00  | -27.68          | -34.39 | -45.61 | 0.29                  |
| 21.00  | -29.10          | -34.85 | -45.12 | 0.32                  |
| 22.00  | -30.55          | -34.50 | -45.32 | 0.32                  |
| 23.00  | -31.41          | -34.70 | -46.21 | 0.31                  |
| 24.00  | -32.25          | -35.12 | -46.58 | 0.29                  |



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