

## Typical Performance Data

| V<br>TUNE | TUNE<br>SENS<br>(MHz/V) | FREQUENCY<br>(MHz) |         |         | POWER OUTPUT<br>(dBm) |       |       | HARMONICS (dBc) |        |        | FREQ.<br>PUSH<br>(MHz/V) | FREQ<br>OFFSET<br>(kHz) | PHASE<br>NOISE<br>(dBc/Hz) |
|-----------|-------------------------|--------------------|---------|---------|-----------------------|-------|-------|-----------------|--------|--------|--------------------------|-------------------------|----------------------------|
|           |                         | -55°C              | +25°C   | +85°C   | -55°C                 | +25°C | +85°C | F2              | F3     | F4     |                          |                         |                            |
| 0.00      | 35.03                   | 1778.78            | 1773.08 | 1767.22 | 3.28                  | 3.33  | 3.05  | -28.43          | -24.03 | -36.90 | -0.36                    | 1                       | -86                        |
| 0.38      | 30.11                   | 1790.95            | 1785.61 | 1780.33 | 3.41                  | 3.46  | 3.23  | -28.02          | -24.07 | -36.00 | -0.23                    | 10                      | -112                       |
| 0.77      | 27.38                   | 1801.83            | 1796.62 | 1791.63 | 3.52                  | 3.55  | 3.33  | -27.50          | -24.38 | -35.60 | -0.16                    | 100                     | -132                       |
| 1.15      | 25.78                   | 1812.00            | 1806.82 | 1802.02 | 3.58                  | 3.63  | 3.45  | -26.95          | -24.57 | -35.81 | -0.12                    | 1000                    | -151                       |
| 1.54      | 24.96                   | 1821.80            | 1816.57 | 1811.88 | 3.66                  | 3.70  | 3.55  | -26.51          | -24.86 | -35.62 | -0.07                    |                         |                            |
| 1.92      | 24.73                   | 1831.48            | 1826.12 | 1821.48 | 3.79                  | 3.77  | 3.60  | -26.41          | -25.26 | -35.47 | -0.02                    |                         |                            |
| 2.31      | 24.78                   | 1841.16            | 1835.65 | 1831.03 | 3.84                  | 3.83  | 3.67  | -26.29          | -25.92 | -35.65 | 0.03                     |                         |                            |
| 2.69      | 24.80                   | 1850.86            | 1845.19 | 1840.61 | 3.89                  | 3.90  | 3.78  | -26.03          | -26.52 | -36.22 | 0.07                     |                         |                            |
| 3.08      | 24.67                   | 1860.53            | 1854.73 | 1850.20 | 3.97                  | 3.96  | 3.85  | -25.97          | -27.43 | -37.09 | 0.07                     |                         |                            |
| 3.46      | 24.04                   | 1870.00            | 1864.13 | 1859.69 | 4.06                  | 4.02  | 3.91  | -25.83          | -28.38 | -38.14 | 0.00                     |                         |                            |
| 3.85      | 22.60                   | 1878.95            | 1873.13 | 1868.86 | 4.13                  | 4.07  | 3.97  | -25.50          | -29.34 | -39.62 | -0.15                    |                         |                            |
| 4.23      | 20.29                   | 1887.11            | 1881.41 | 1877.35 | 4.19                  | 4.11  | 4.01  | -25.44          | -30.06 | -40.45 | -0.31                    |                         |                            |
| 4.62      | 17.46                   | 1894.27            | 1888.70 | 1884.86 | 4.22                  | 4.15  | 4.07  | -25.55          | -30.87 | -41.68 | -0.40                    |                         |                            |
| 5.01      | 14.44                   | 1900.36            | 1894.85 | 1891.20 | 4.23                  | 4.17  | 4.12  | -25.73          | -31.67 | -42.58 | -0.36                    |                         |                            |
| 5.39      | 11.60                   | 1905.36            | 1899.85 | 1896.37 | 4.27                  | 4.19  | 4.14  | -25.80          | -32.24 | -43.50 | -0.23                    |                         |                            |
| 5.78      | 9.16                    | 1909.36            | 1903.83 | 1900.48 | 4.32                  | 4.22  | 4.16  | -25.73          | -32.58 | -43.44 | -0.06                    |                         |                            |
| 6.16      | 7.38                    | 1912.54            | 1906.99 | 1903.75 | 4.36                  | 4.23  | 4.16  | -25.62          | -32.76 | -43.98 | 0.09                     |                         |                            |
| 6.55      | 6.05                    | 1915.16            | 1909.56 | 1906.40 | 4.41                  | 4.24  | 4.16  | -25.46          | -32.89 | -44.62 | 0.22                     |                         |                            |
| 6.93      | 5.05                    | 1917.33            | 1911.69 | 1908.58 | 4.44                  | 4.25  | 4.16  | -25.34          | -32.97 | -44.92 | 0.32                     |                         |                            |
| 7.32      | 4.30                    | 1919.16            | 1913.48 | 1910.42 | 4.45                  | 4.26  | 4.16  | -25.22          | -33.00 | -44.98 | 0.39                     |                         |                            |