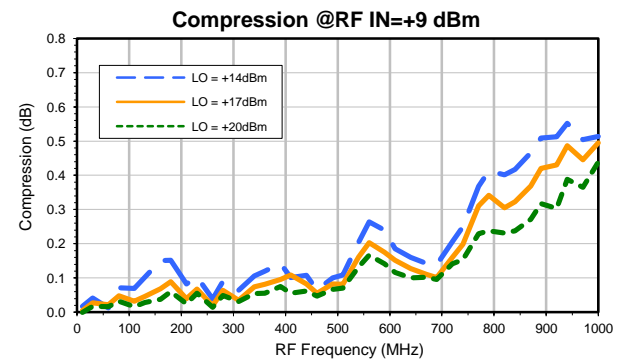
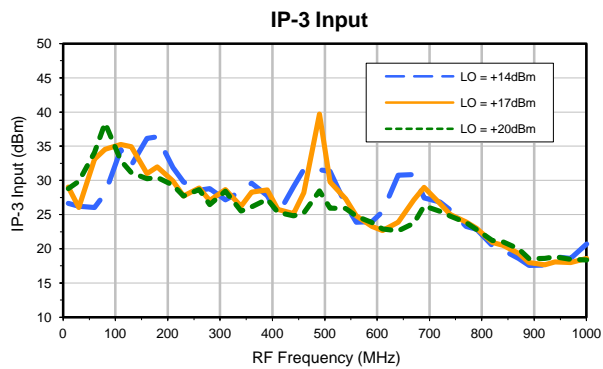
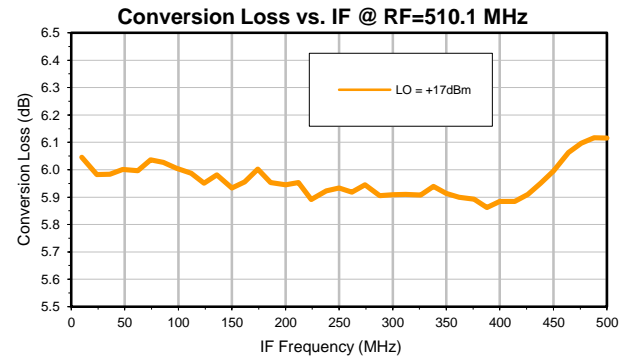
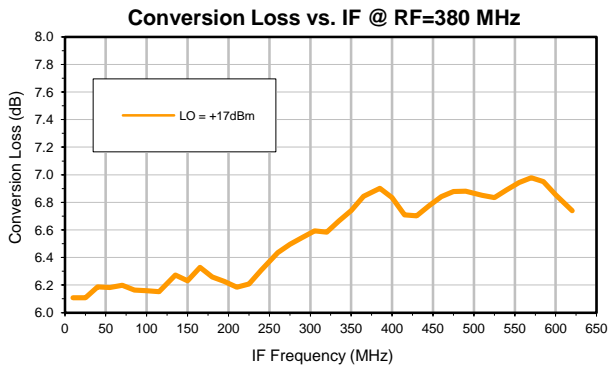
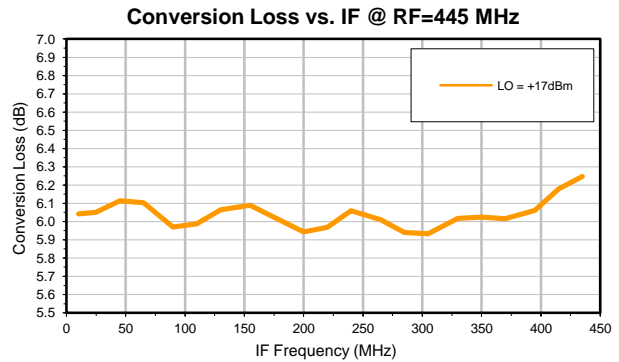
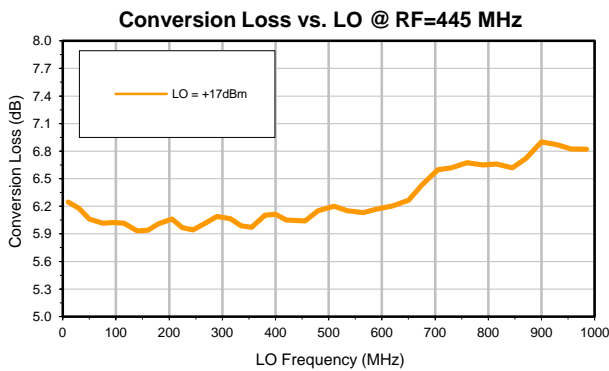
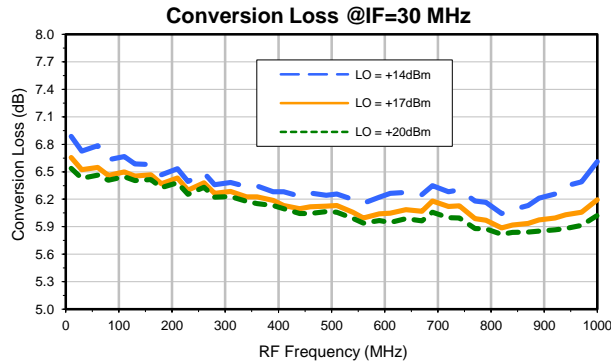
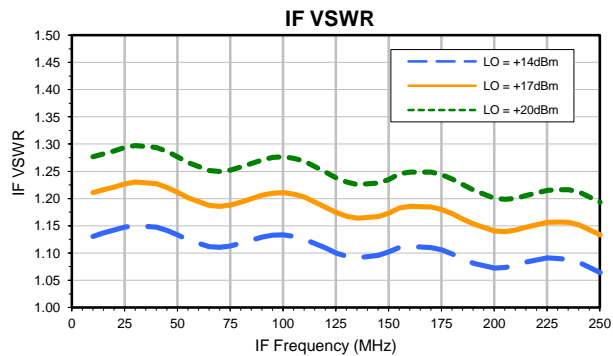
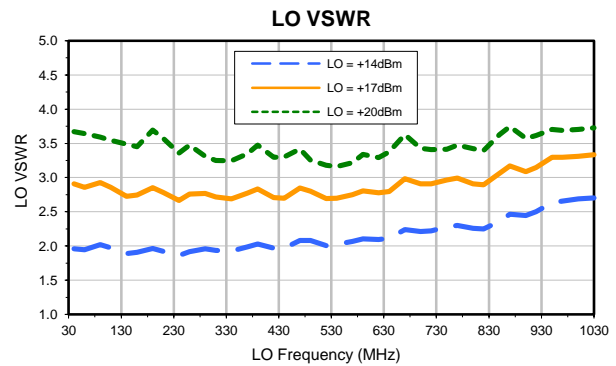
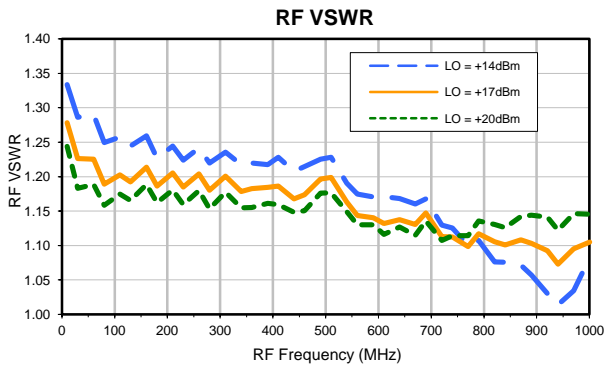
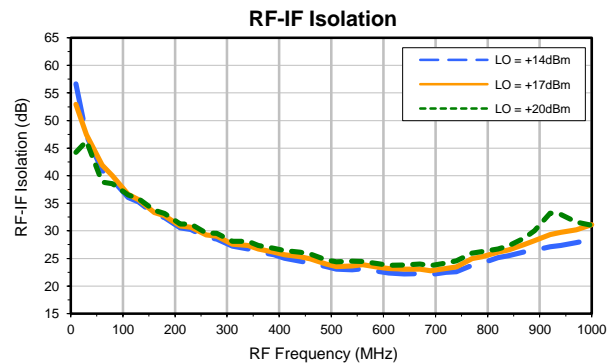
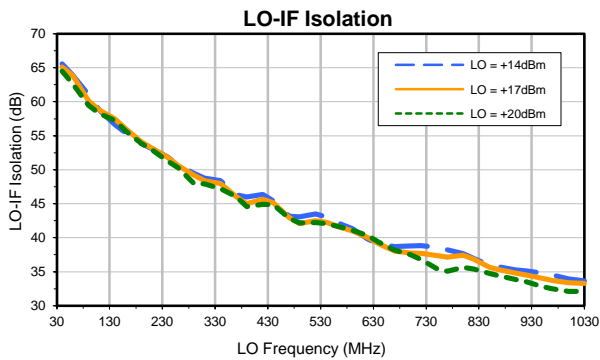
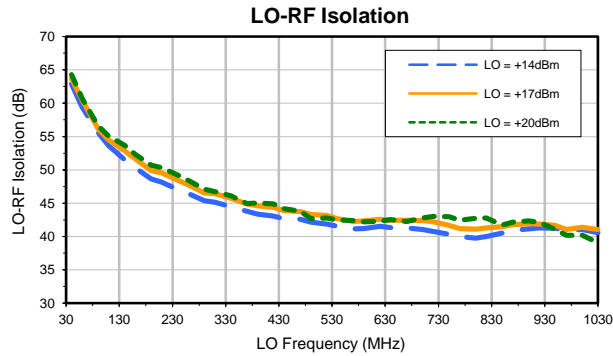


Typical Performance Curves



Typical Performance Curves



Harmonics Tables

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | --- | --- | 20.87 | 26.06 | 30.49 | 37.07 | 21.03 | 38.34 | 19.79 | 43.56 | 32.55 | 37.43 |
| 1 | --- | 16.70 | --- | 28.64 | 11.25 | 39.30 | 15.01 | 28.91 | 34.44 | 42.91 | 42.24 | 41.07 |
| 2 | 91.75 | 63.79 | 53.87 | 61.39 | 54.59 | 60.66 | 53.44 | 57.50 | 50.24 | 61.42 | 45.74 | 56.98 |
| 3 | 109.19 | 53.48 | 51.97 | 56.93 | 63.78 | 72.03 | 54.81 | 65.23 | 59.63 | 62.21 | 76.98 | 77.12 |
| 4 | 124.90 | 93.63 | 82.61 | 86.84 | 88.34 | 90.93 | 89.11 | 93.51 | 79.42 | 88.23 | 82.22 | 85.59 |
| 5 | 116.79 | 86.27 | 90.08 | 87.14 | 76.68 | 85.07 | 77.75 | 82.70 | 82.87 | 93.02 | 79.60 | 83.54 |
| 6 | 116.81 | 124.48 | 97.11 | 111.35 | 98.46 | 111.19 | 98.83 | 105.58 | 101.88 | 107.95 | 94.03 | 98.44 |
| 7 | 130.61 | 115.92 | 121.89 | 105.47 | 114.21 | 107.34 | 101.89 | 102.27 | 102.00 | 110.35 | 102.02 | 111.99 |
| 8 | 131.81 | 110.92 | 114.59 | 120.39 | 116.13 | 115.49 | 116.71 | 113.02 | 115.39 | 113.14 | 131.42 | 115.95 |
| 9 | 114.25 | 117.47 | 125.73 | 118.65 | 125.26 | 115.76 | 119.16 | 117.73 | 122.73 | 120.70 | 119.23 | 116.71 |
| 10 | 110.64 | 113.69 | 120.96 | 122.00 | 117.74 | 117.33 | 115.83 | 127.08 | 113.75 | 123.69 | 118.08 | 123.90 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 445 MHz; 0 dBm.
 LO IN: 475 MHz; +17.00 dBm
 IF OUT: 30 MHz; -5.82 dBm

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | --- | --- | 28.83 | 38.33 | 38.94 | 56.76 | 32.47 | 54.27 | 31.79 | 57.68 | 47.50 | 59.41 |
| 1 | --- | 20.04 | --- | 33.11 | 12.11 | 40.64 | 19.69 | 40.76 | 39.91 | 53.80 | 50.37 | 65.85 |
| 2 | 90.27 | 53.39 | 50.31 | 44.74 | 63.67 | 53.91 | 43.78 | 54.50 | 48.23 | 61.43 | 49.84 | 56.87 |
| 3 | 107.88 | 24.45 | 17.85 | 46.31 | 28.00 | 75.20 | 31.53 | 49.15 | 36.65 | 49.30 | 55.89 | 57.73 |
| 4 | 99.71 | 55.34 | 58.84 | 63.78 | 57.69 | 60.85 | 60.91 | 61.05 | 59.04 | 61.52 | 56.52 | 68.62 |
| 5 | 99.67 | 42.77 | 45.47 | 42.85 | 37.41 | 43.79 | 44.38 | 50.76 | 44.81 | 52.30 | 49.77 | 55.36 |
| 6 | 98.83 | 78.33 | 62.07 | 56.10 | 63.36 | 67.96 | 58.63 | 63.90 | 58.33 | 62.90 | 63.24 | 71.80 |
| 7 | 106.66 | 48.02 | 45.99 | 49.37 | 51.13 | 50.06 | 55.66 | 51.21 | 50.12 | 58.37 | 52.35 | 62.10 |
| 8 | 105.24 | 76.11 | 72.62 | 66.83 | 75.87 | 66.87 | 76.57 | 69.59 | 70.09 | 78.68 | 65.22 | 77.37 |
| 9 | 99.10 | 68.70 | 61.60 | 58.72 | 58.75 | 73.31 | 67.75 | 60.03 | 53.96 | 57.02 | 58.25 | 67.21 |
| 10 | 97.50 | 83.18 | 74.88 | 75.29 | 73.93 | 75.75 | 70.00 | 65.50 | 66.33 | 69.28 | 66.69 | 79.00 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 445 MHz; 10 dBm.
 LO IN: 475 MHz; +17.00 dBm
 IF OUT: 30 MHz; 3.01 dBm

- Notes:
1. All Harmonics are in (dBc) relative to IF OUTPUT
 2. + entry denotes harmonics are in (dBc) above IF OUTPUT
 3. RF Cal represents the Harmonics level of the RF Input Signal to the mixer