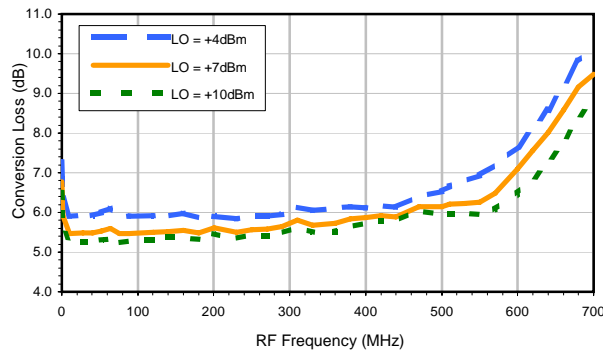
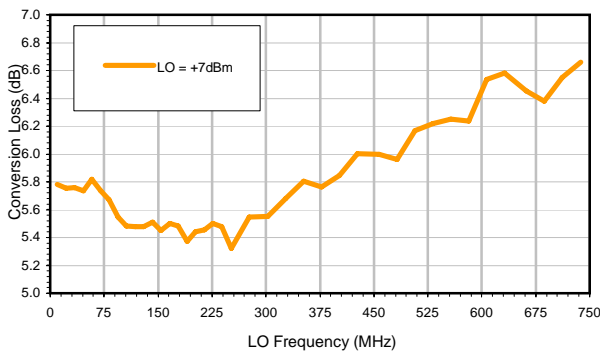


## Typical Performance Curves

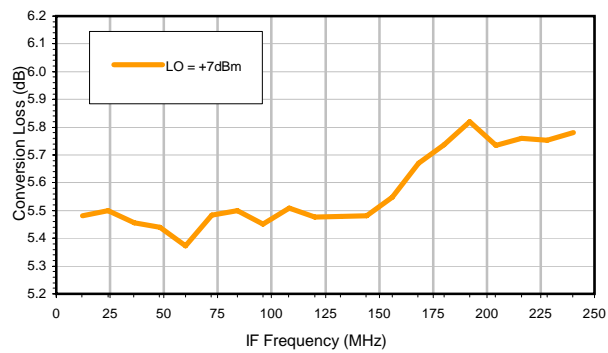
### Conversion Loss @IF=30 MHz



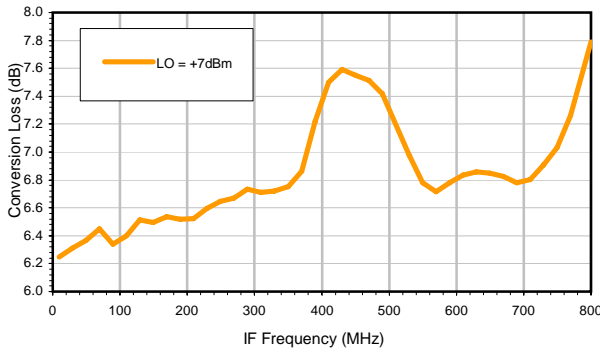
### Conversion Loss vs. LO @ RF=250.25 MHz



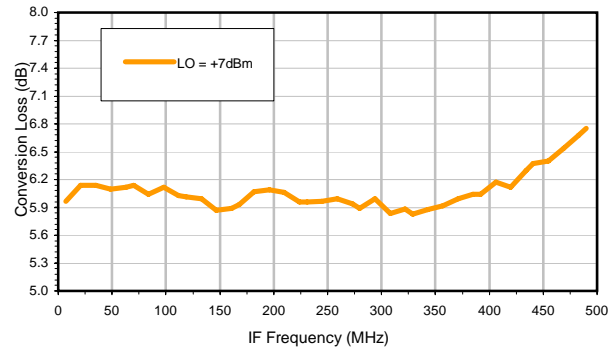
### Conversion Loss vs. IF @ RF=250.25 MHz



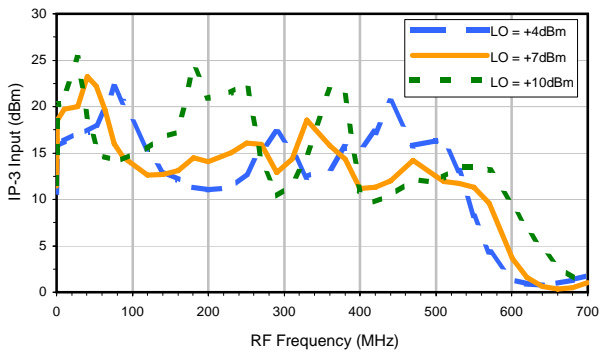
### Conversion Loss vs. IF @ RF=0.5 MHz



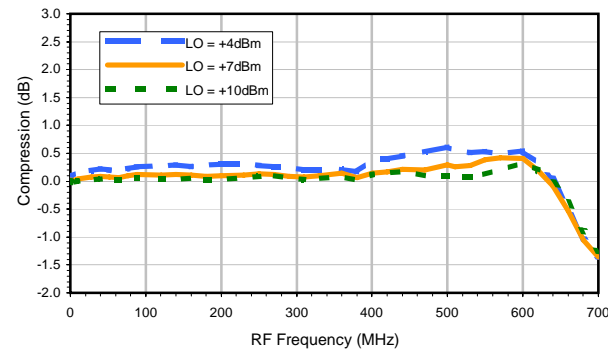
### Conversion Loss vs. IF @ RF=500 MHz



### IP-3 Input

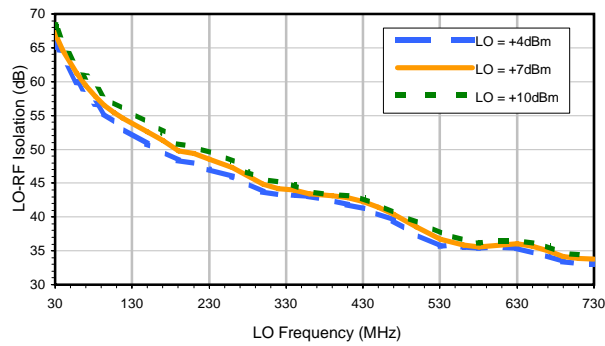


### Compression @RF IN=+1 dBm

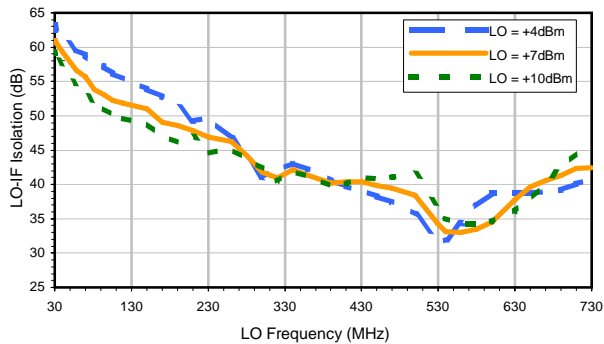


## Typical Performance Curves

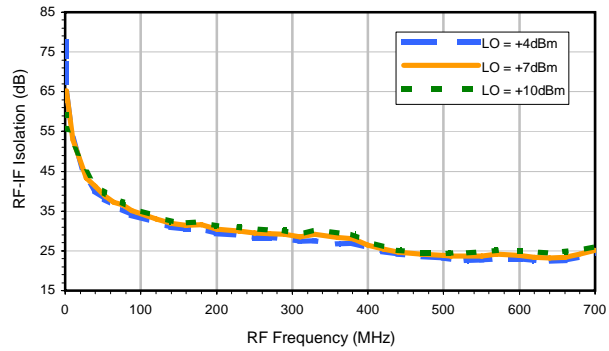
LO-RF Isolation



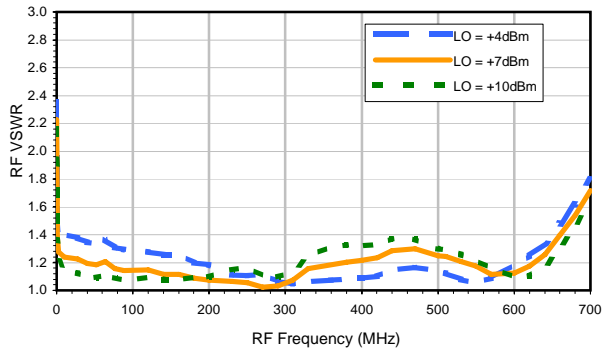
LO-IF Isolation



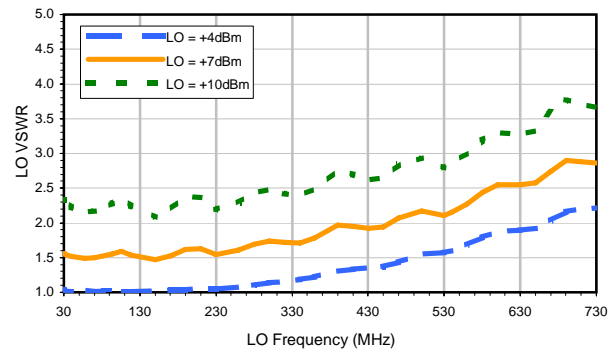
RF-IF Isolation



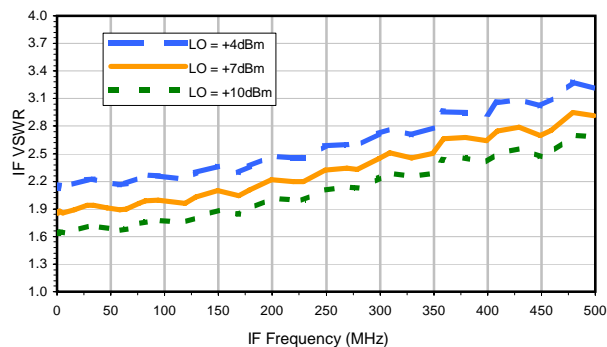
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |       |       |        |       |       |       |       |       |       |        |
|----|--------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| 0  | ---    | ---    | 18.81 | 32.34 | 26.35  | 30.12 | 22.62 | 40.04 | 31.88 | 44.59 | 30.83 | 40.40  |
| 1  | ---    | 23.87  | ---   | 34.92 | 13.44  | 41.10 | 21.11 | 38.78 | 37.76 | 56.66 | 32.24 | 50.52  |
| 2  | 117.74 | 73.58  | 71.51 | 71.05 | 64.23  | 72.40 | 61.35 | 73.89 | 55.75 | 72.42 | 79.12 | 74.10  |
| 3  | 120.40 | 69.28  | 61.84 | 71.51 | 68.25  | 87.51 | 58.56 | 72.01 | 56.33 | 82.59 | 63.84 | 89.10  |
| 4  | 121.36 | 92.61  | 84.91 | 88.86 | 86.36  | 87.66 | 81.00 | 89.86 | 82.05 | 95.23 | 83.81 | 91.85  |
| 5  | 121.83 | 97.49  | 90.72 | 93.03 | 86.09  | 95.43 | 80.48 | 96.69 | 81.44 | 95.86 | 80.02 | 97.94  |
| 6  | 119.80 | 97.24  | 98.67 | 97.35 | 98.41  | 95.75 | 95.34 | 94.26 | 95.15 | 97.08 | 96.78 | 100.48 |
| 7  | 120.94 | 97.79  | 96.77 | 97.80 | 97.58  | 97.31 | 94.12 | 96.75 | 92.42 | 96.71 | 98.09 | 98.16  |
| 8  | 120.36 | 98.75  | 97.47 | 98.36 | 98.63  | 97.61 | 98.42 | 93.95 | 96.70 | 91.25 | 96.60 | 97.09  |
| 9  | 118.45 | 96.24  | 99.00 | 98.10 | 100.06 | 98.84 | 96.64 | 95.56 | 90.60 | 95.42 | 91.56 | 98.14  |
| 10 | 117.97 | 96.08  | 99.08 | 97.56 | 98.81  | 97.44 | 98.16 | 96.19 | 96.90 | 91.76 | 95.64 | 93.69  |
|    | RF CAL | 0      | 1     | 2     | 3      | 4     | 5     | 6     | 7     | 8     | 9     | 10     |

### LO HARMONICS ORDER

Test conditions: RF IN: 250.25 MHz; -15.00 dBm.  
 LO IN: 280.25 MHz; +7.00 dBm  
 IF OUT: 30.00 MHz; -20.47 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |        |        |        |        |        |        |        |        |       |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 0  | ---    | ---    | 27.07  | 42.47  | 36.01  | 40.84  | 35.22  | 52.34  | 42.60  | 57.32  | 42.40 | 53.81  |
| 1  | ---    | 24.23  | ---    | 34.59  | 13.16  | 43.17  | 20.13  | 38.92  | 38.23  | 57.08  | 38.10 | 53.60  |
| 2  | 107.75 | 77.21  | 67.07  | 71.35  | 61.14  | 72.30  | 62.58  | 65.42  | 52.24  | 67.51  | 60.52 | 73.62  |
| 3  | 110.41 | 56.82  | 47.12  | 59.27  | 56.13  | 70.37  | 51.13  | 59.99  | 51.09  | 81.46  | 54.10 | 72.61  |
| 4  | 111.37 | 91.34  | 71.12  | 82.46  | 87.39  | 85.12  | 71.38  | 82.69  | 69.77  | 91.99  | 68.07 | 84.56  |
| 5  | 111.84 | 75.77  | 65.82  | 72.29  | 71.74  | 73.18  | 62.10  | 85.01  | 57.38  | 74.63  | 56.12 | 77.85  |
| 6  | 109.81 | 99.54  | 83.69  | 94.82  | 86.53  | 88.35  | 86.82  | 90.78  | 77.14  | 92.31  | 76.42 | 106.46 |
| 7  | 110.95 | 92.36  | 85.37  | 82.33  | 84.18  | 81.94  | 80.88  | 83.72  | 70.36  | 94.97  | 68.49 | 84.69  |
| 8  | 110.37 | 107.47 | 94.62  | 102.84 | 99.13  | 98.38  | 104.66 | 95.95  | 88.31  | 96.24  | 84.53 | 97.49  |
| 9  | 108.46 | 106.26 | 92.30  | 100.80 | 92.38  | 90.62  | 97.51  | 90.95  | 83.22  | 92.32  | 78.76 | 101.52 |
| 10 | 107.98 | 106.53 | 104.77 | 108.17 | 103.93 | 103.89 | 105.60 | 106.00 | 101.61 | 101.28 | 95.39 | 102.05 |
|    | RF CAL | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9     | 10     |

### LO HARMONICS ORDER

Test conditions: RF IN: 250.25 MHz; -5.00 dBm.  
 LO IN: 280.25 MHz; +7.00 dBm  
 IF OUT: 30.00 MHz; -10.48 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