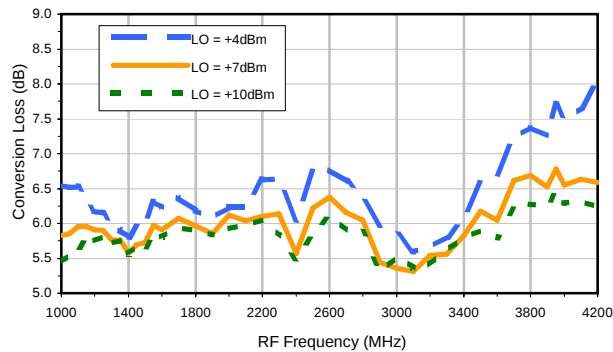
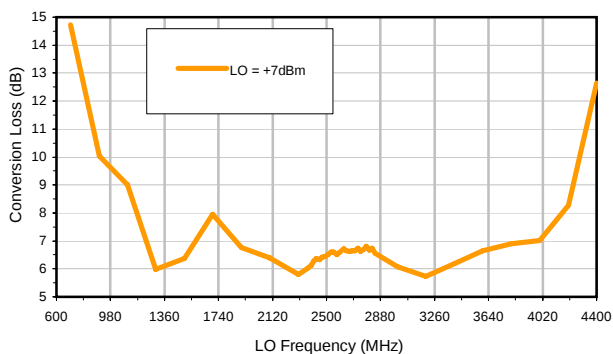


## Typical Performance Curves

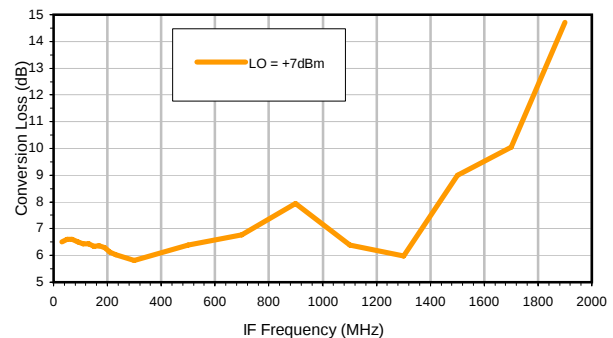
Conversion Loss @IF=30 MHz



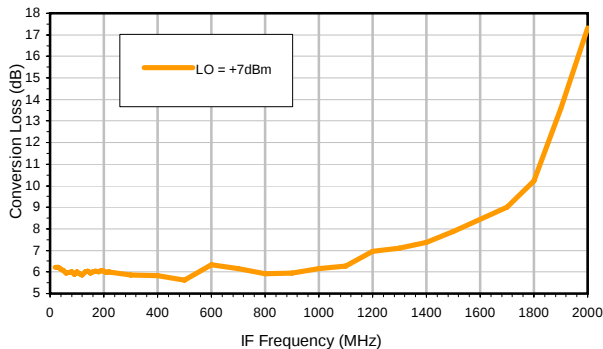
Conversion Loss vs. LO @ RF=2600.1 MHz



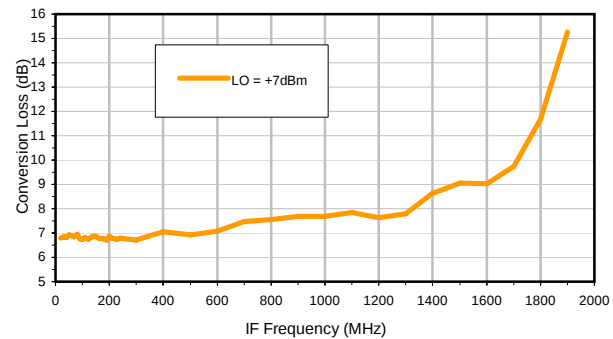
Conversion Loss vs. IF @ RF=2600.1 MHz



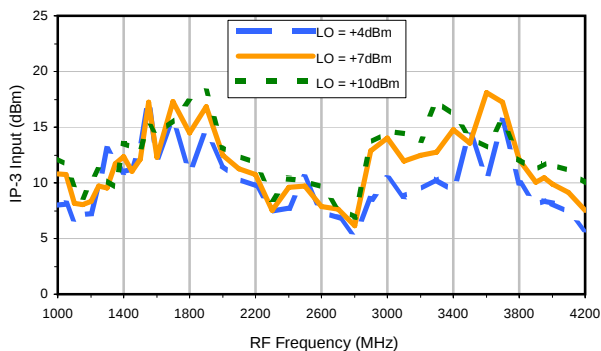
Conversion Loss vs. IF @ RF=1000.1 MHz



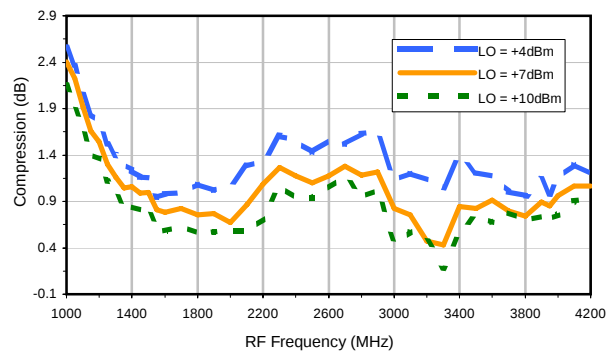
Conversion Loss vs. IF @ RF=4200.1 MHz



IP-3 Input

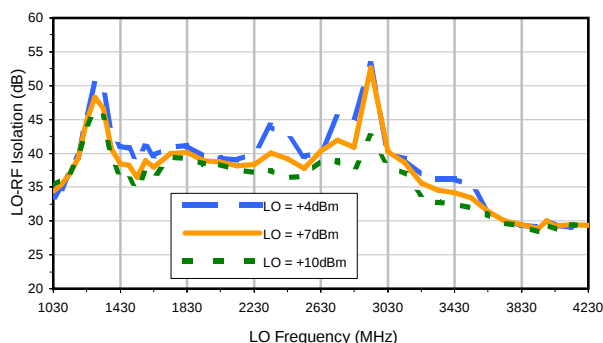


Compression @RF IN=+1 dBm

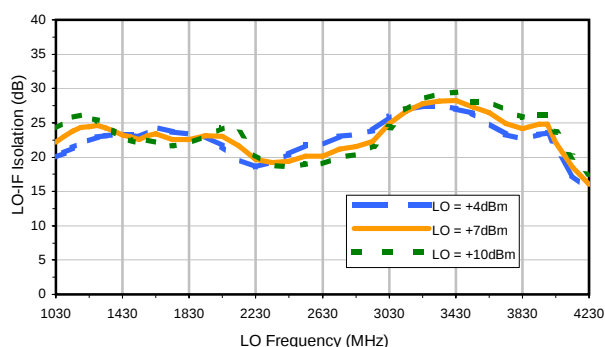


## Typical Performance Curves

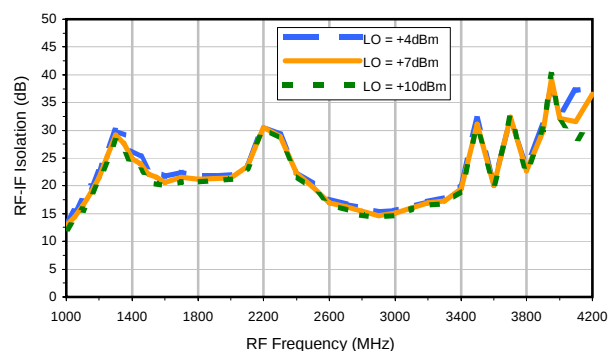
LO-RF Isolation



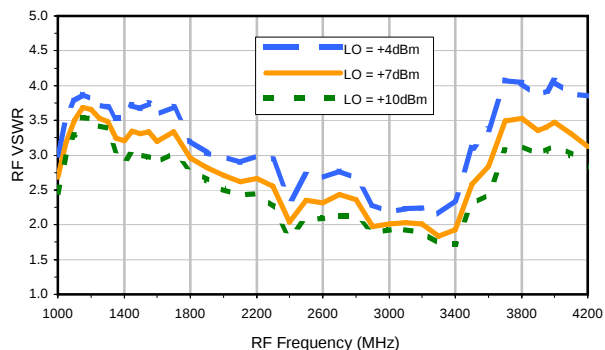
LO-IF Isolation



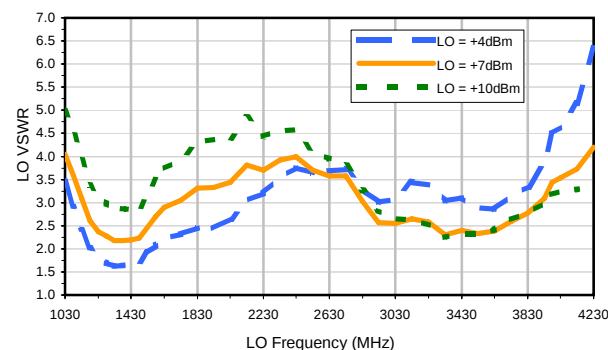
RF-IF Isolation



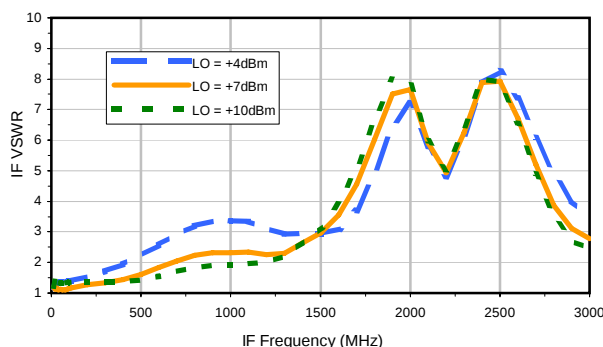
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |        |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0  | ---    | ---    | -7.21  | 13.09  | 13.07  | 33.07  | 19.11  | 39.95  | 30.69  | 55.29  | 49.59  | 60.89  |
| 1  | ---    | 21.16  | ---    | 49.04  | 14.03  | 30.42  | 37.06  | 40.02  | 46.13  | 49.34  | 63.83  | 71.29  |
| 2  | 123.00 | 58.80  | 61.14  | 62.01  | 53.84  | 62.14  | 59.90  | 65.69  | 59.65  | 78.40  | 68.69  | 74.53  |
| 3  | 124.76 | 68.57  | 63.22  | 77.71  | 66.17  | 84.74  | 74.32  | 70.41  | 77.25  | 83.36  | 84.09  | 85.76  |
| 4  | 122.70 | 100.94 | 100.85 | 101.45 | 103.25 | 103.03 | 98.24  | 92.33  | 99.65  | 99.07  | 101.14 | 102.51 |
| 5  | 122.85 | 102.64 | 103.05 | 101.61 | 100.93 | 102.23 | 93.97  | 102.61 | 101.87 | 102.06 | 100.82 | 100.34 |
| 6  | 122.60 | 99.31  | 100.90 | 102.66 | 101.61 | 100.28 | 103.08 | 101.77 | 102.77 | 101.96 | 99.94  | 100.30 |
| 7  | 121.54 | 98.26  | 99.09  | 101.32 | 96.19  | 100.38 | 81.21  | 103.88 | 81.01  | 100.80 | 89.96  | 95.32  |
| 8  | 121.30 | 98.11  | 97.36  | 95.34  | 81.47  | 73.43  | 43.95  | 65.40  | 79.37  | 70.16  | 76.91  | 83.16  |
| 9  | 118.18 | 95.14  | 97.89  | 98.55  | 98.87  | 100.65 | 92.89  | 102.61 | 82.63  | 103.19 | 83.42  | 101.81 |
| 10 | 117.59 | 95.16  | 96.23  | 99.01  | 96.13  | 99.81  | 99.24  | 101.53 | 101.60 | 100.89 | 100.43 | 103.14 |
|    | RF CAL | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     |

## LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; -15 dBm.  
 LO IN: 2180 MHz; +7.00 dBm  
 IF OUT: 30.00 MHz; -20.90 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |        |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0  | ---    | ---    | 2.50   | 23.38  | 23.57  | 43.82  | 32.14  | 55.59  | 44.65  | 73.59  | 64.93  | 61.93  |
| 1  | ---    | 20.86  | ---    | 50.73  | 14.04  | 33.05  | 35.80  | 41.29  | 47.48  | 53.76  | 65.18  | 74.05  |
| 2  | 115.47 | 47.62  | 52.25  | 51.42  | 44.70  | 56.73  | 51.07  | 60.78  | 51.00  | 73.14  | 60.95  | 69.17  |
| 3  | 115.10 | 48.42  | 41.90  | 56.78  | 43.88  | 64.11  | 50.59  | 50.79  | 61.50  | 61.00  | 69.21  | 66.55  |
| 4  | 114.48 | 85.49  | 73.50  | 78.28  | 73.96  | 80.09  | 66.46  | 68.22  | 71.08  | 70.81  | 75.45  | 78.77  |
| 5  | 115.10 | 75.50  | 80.66  | 78.44  | 73.28  | 83.21  | 68.06  | 85.34  | 72.48  | 81.11  | 71.45  | 83.35  |
| 6  | 114.17 | 104.21 | 103.38 | 102.59 | 97.63  | 91.76  | 99.36  | 86.93  | 90.43  | 82.36  | 95.22  | 86.16  |
| 7  | 111.28 | 104.72 | 107.98 | 105.56 | 104.20 | 96.21  | 88.27  | 98.78  | 83.55  | 103.00 | 87.78  | 92.45  |
| 8  | 110.80 | 106.57 | 105.20 | 106.34 | 108.58 | 108.56 | 88.18  | 101.00 | 110.74 | 100.03 | 107.71 | 99.64  |
| 9  | 111.96 | 106.18 | 104.37 | 106.37 | 108.69 | 109.95 | 111.71 | 108.14 | 106.74 | 109.04 | 103.91 | 109.55 |
| 10 | 109.47 | 102.88 | 104.65 | 105.63 | 107.06 | 109.62 | 108.51 | 107.32 | 109.33 | 108.79 | 108.41 | 107.09 |
|    | RF CAL | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     |

## LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; -5 dBm.  
 LO IN: 2180 MHz; +7.00 dBm  
 IF OUT: 30.00 MHz; -10.89 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