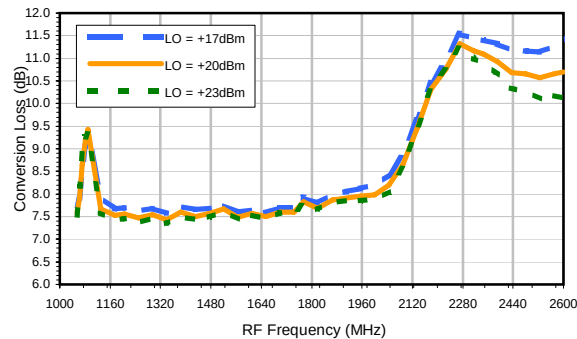
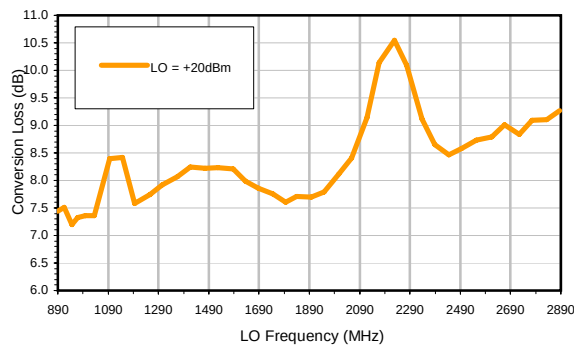


## Typical Performance Curves

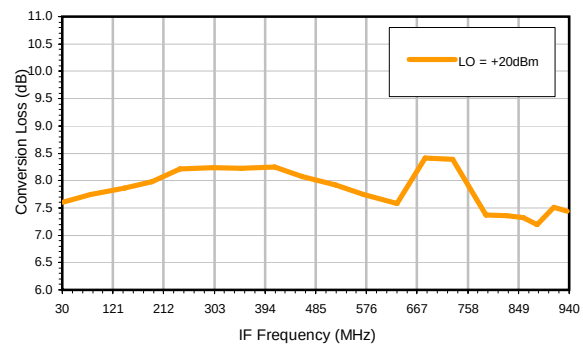
Conversion Loss @IF=30 MHz



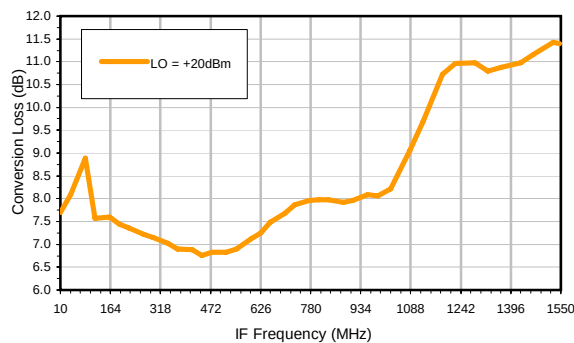
Conversion Loss vs. LO @ RF=1827.1 MHz



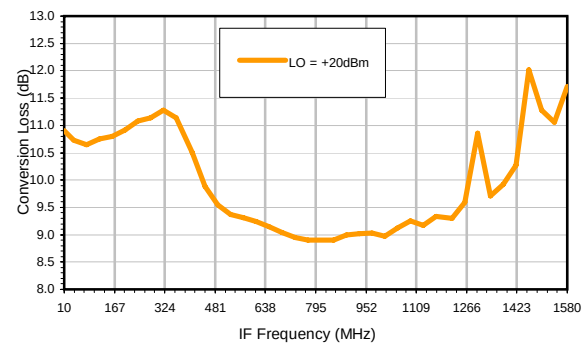
Conversion Loss vs. IF @ RF=1827.1 MHz



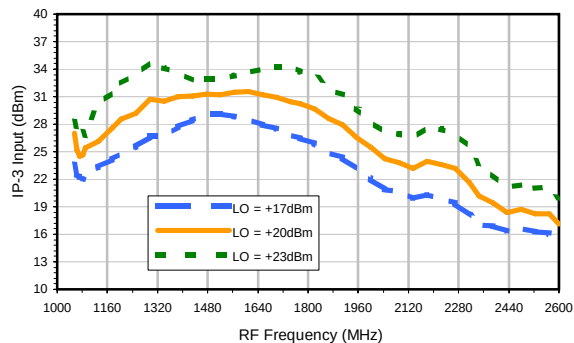
Conversion Loss vs. IF @ RF=1054.1 MHz



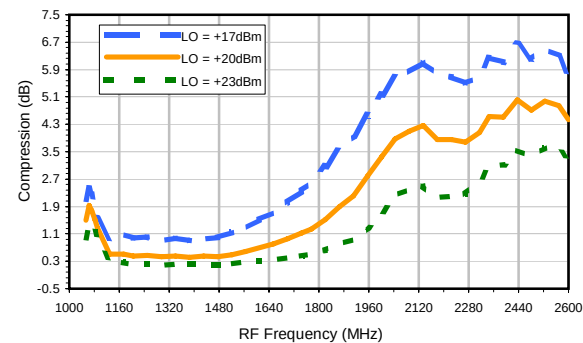
Conversion Loss vs. IF @ RF=2600.1 MHz



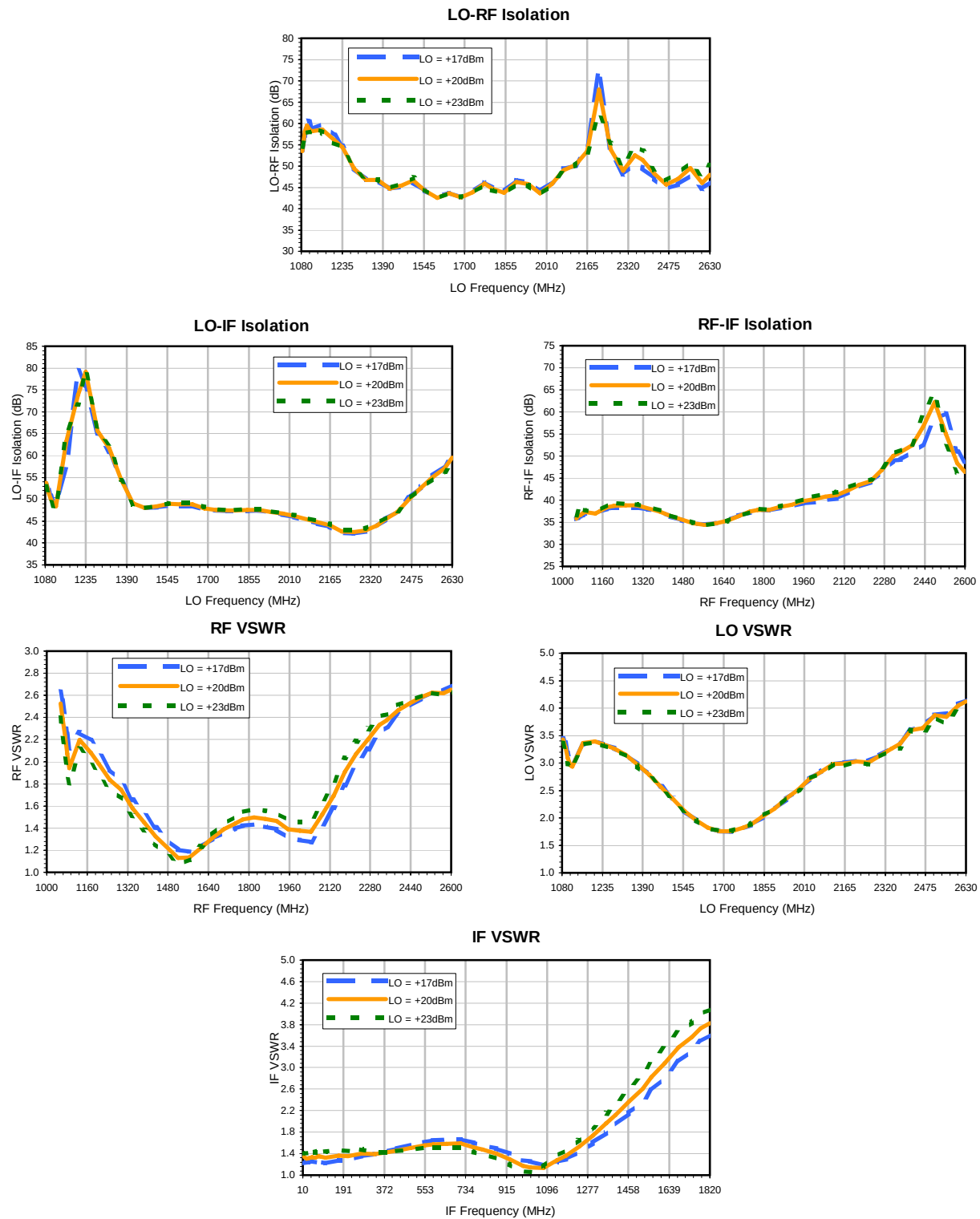
IP-3 Input



Compression @RF IN=+20 dBm



## Typical Performance Curves



## Harmonics Tables

RF HARMONICS ORDER

Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)  
2. + entry denotes harmonics above IF OUTPUT (dBm)

| RF CAL | (-dBm) | (-dBc) |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0      | ---    | ---    | 20.53  | 24.28  | 31.84  | 26.03  | 36.91  | 58.10  | 46.58  | 62.76  | 55.56  | 56.56  |
| 1      | ---    | 25.08  | ---    | 36.71  | 14.12  | 34.25  | 31.69  | 40.99  | 43.03  | 52.35  | 42.66  | 55.93  |
| 2      | 96.48  | 60.15  | 72.43  | 60.85  | 68.49  | 61.05  | 69.87  | 65.30  | 76.40  | 71.29  | 85.47  | 77.83  |
| 3      | 109.94 | 107.04 | 77.64  | 90.97  | 72.15  | 92.15  | 77.86  | 93.41  | 92.98  | 94.61  | 95.87  | 106.68 |
| 4      | 108.77 | 107.89 | 118.81 | 106.11 | 110.97 | 105.04 | 111.33 | 112.47 | 117.29 | 111.82 | 117.87 | 117.69 |
| 5      | 107.76 | 119.58 | 117.59 | 120.05 | 116.23 | 111.87 | 111.56 | 113.21 | 116.17 | 119.62 | 114.93 | 118.10 |
| 6      | 110.74 | 120.39 | 119.20 | 119.68 | 120.15 | 117.75 | 111.28 | 115.04 | 114.51 | 115.69 | 118.57 | 120.13 |
| 7      | 111.16 | 121.40 | 120.63 | 119.65 | 121.52 | 119.54 | 116.39 | 110.58 | 114.31 | 113.98 | 116.02 | 119.44 |
| 8      | 108.46 | 120.56 | 120.21 | 120.14 | 119.66 | 120.23 | 119.00 | 116.11 | 111.87 | 115.04 | 112.17 | 117.36 |
| 9      | 110.42 | 118.35 | 119.99 | 120.43 | 119.74 | 117.61 | 119.91 | 119.47 | 116.31 | 114.62 | 115.71 | 112.38 |
| 10     | 110.15 | 118.91 | 119.40 | 120.60 | 118.09 | 119.64 | 117.33 | 117.86 | 119.09 | 118.22 | 111.26 | 115.71 |
| RF CAL | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     |        |

## LO HARMONICS ORDER

Test conditions: RF IN: 1175.00 (MHz), 0.00 (dBm);  
LO IN: 1205.00 (MHz), 20.00;  
IF OUT: 30.00 (MHz), -7.28 (dBm).

RF HARMONICS ORDER

Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)  
2. + entry denotes harmonics above IF OUTPUT (dBm)

| RF CAL | (-dBm) | (-dBc) |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0      | ---    | ---    | 30.02  | 32.03  | 40.94  | 38.05  | 46.93  | 56.50  | 55.51  | 59.60  | 65.60  | 77.25  |
| 1      | ---    | 25.13  | ---    | 36.58  | 14.27  | 34.06  | 30.97  | 40.97  | 45.04  | 52.55  | 44.43  | 57.14  |
| 2      | 86.36  | 49.92  | 61.58  | 49.86  | 58.17  | 50.44  | 60.07  | 55.23  | 66.68  | 61.33  | 75.71  | 68.10  |
| 3      | 99.82  | 89.38  | 64.52  | 73.82  | 54.62  | 73.03  | 56.77  | 71.22  | 65.62  | 72.88  | 76.58  | 83.19  |
| 4      | 98.65  | 93.54  | 105.17 | 87.76  | 109.58 | 88.42  | 96.28  | 89.83  | 94.19  | 95.68  | 97.68  | 96.48  |
| 5      | 97.64  | 102.91 | 91.83  | 100.72 | 85.85  | 97.47  | 86.17  | 98.53  | 89.65  | 100.42 | 94.16  | 103.44 |
| 6      | 100.62 | 110.67 | 119.51 | 102.14 | 119.47 | 98.80  | 107.66 | 99.24  | 106.28 | 99.56  | 111.37 | 106.95 |
| 7      | 101.04 | 121.68 | 106.40 | 119.14 | 105.44 | 117.63 | 102.12 | 111.02 | 99.45  | 112.01 | 101.06 | 116.03 |
| 8      | 98.34  | 114.66 | 120.40 | 115.54 | 120.54 | 110.35 | 120.96 | 109.44 | 111.96 | 106.07 | 110.68 | 109.58 |
| 9      | 100.30 | 117.59 | 122.38 | 122.85 | 120.80 | 120.81 | 120.61 | 121.37 | 109.91 | 115.26 | 112.46 | 115.20 |
| 10     | 100.03 | 122.02 | 122.82 | 122.62 | 121.64 | 121.30 | 120.57 | 117.23 | 118.36 | 118.03 | 116.18 | 118.47 |
| RF CAL | 0      | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     |        |

## LO HARMONICS ORDER

Test conditions: RF IN: 1175.00 (MHz), 10.00 (dBm);  
LO IN: 1205.00 (MHz), 20.00;  
IF OUT: 30.00 (MHz), 2.84 (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