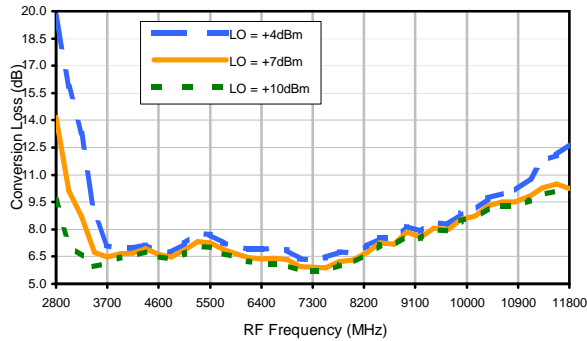
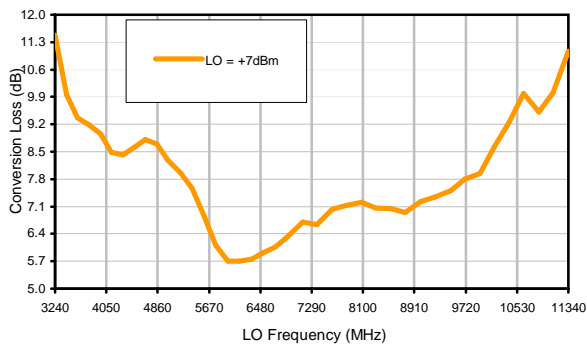


Typical Performance Curves

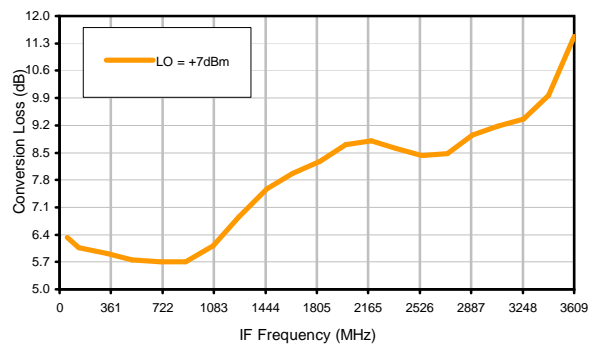
Conversion Loss @ IF=30MHz



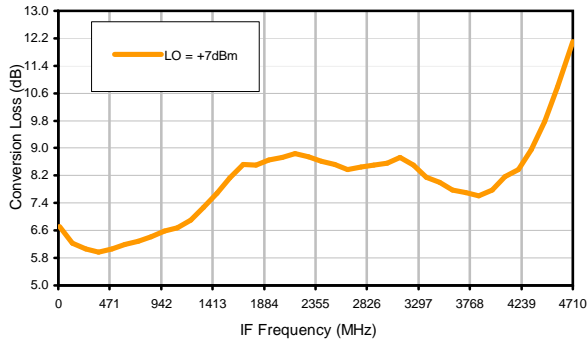
Conversion Loss vs. LO @ RF=6850MHz



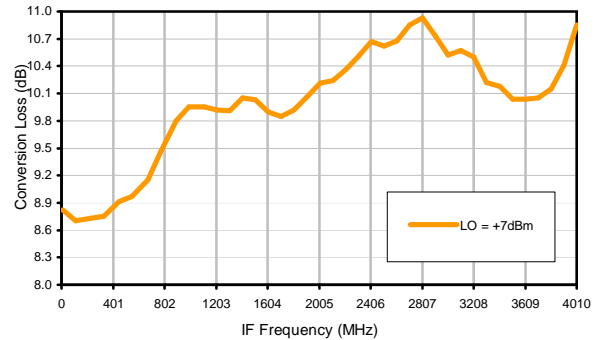
Conversion Loss vs. IF @ RF=6850MHz



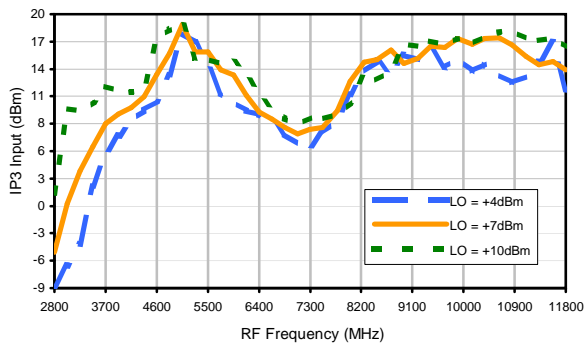
Conversion Loss vs. IF @ RF=3690MHz



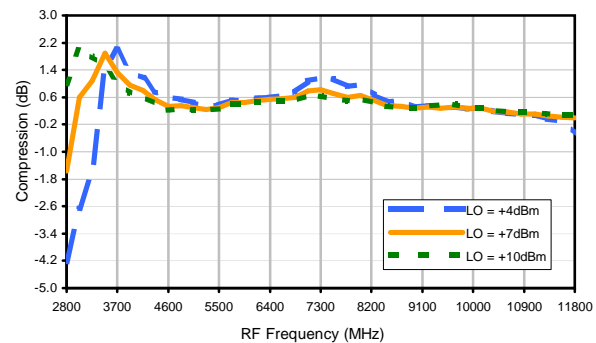
Conversion Loss vs. IF @ RF=10010.099MHz



IP3 Input

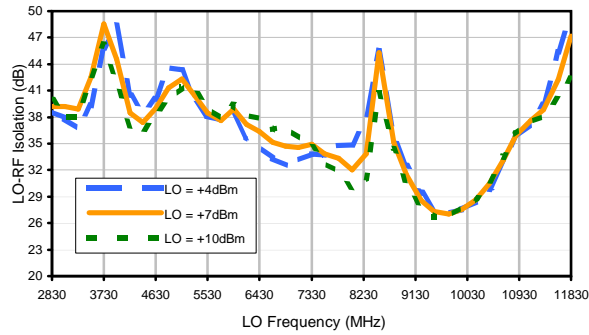


Compression @ RF IN=+1dBm

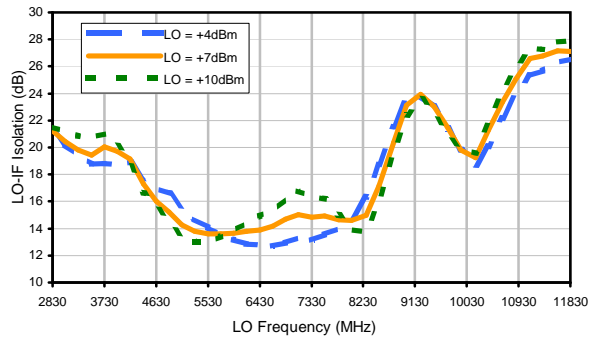


Typical Performance Curves

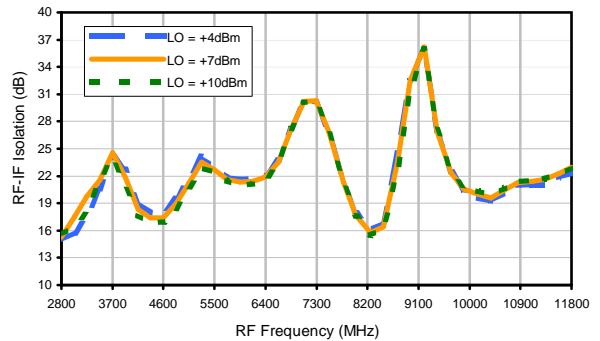
LO-RF Isolation



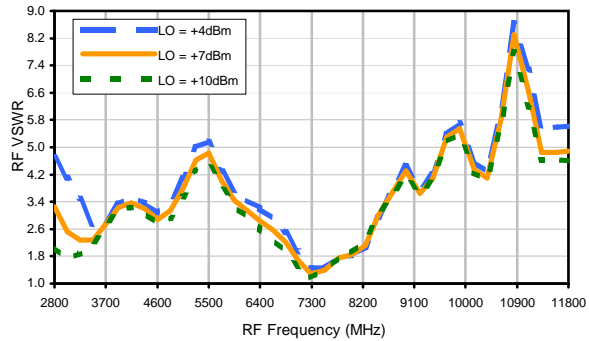
LO-IF Isolation



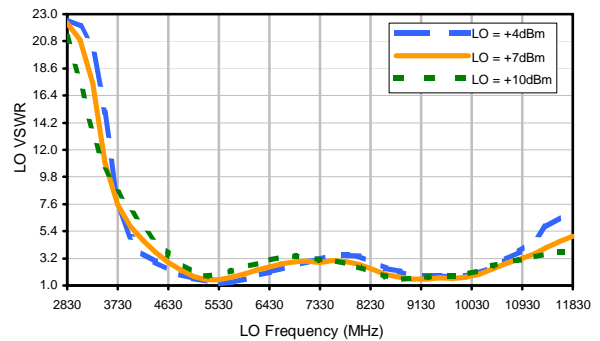
RF-IF Isolation



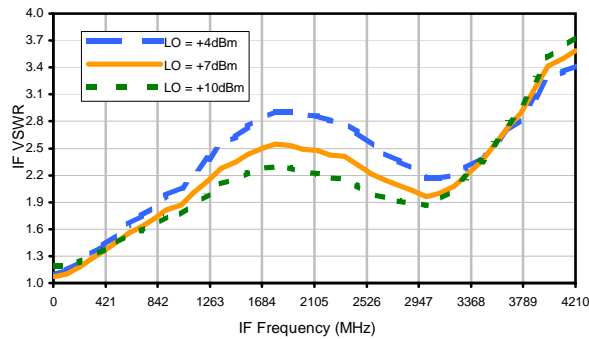
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | +13 | 37 | 10 | --- | --- | --- | --- | --- | --- | --- |
| 1 | - | 21 | +0 | 42 | 25 | 43 | --- | --- | --- | --- | --- | --- |
| 2 | 87 | 59 | 47 | 54 | 48 | 64 | 56 | --- | --- | --- | --- | --- |
| 3 | >90 | >70 | 69 | >70 | 58 | >70 | >70 | >70 | --- | --- | --- | --- |
| 4 | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 | --- | --- | --- |
| 5 | --- | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 | --- | --- |
| 6 | --- | --- | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 | --- |
| 7 | --- | --- | --- | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 |
| 8 | --- | --- | --- | --- | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 |
| 9 | --- | --- | --- | --- | --- | --- | --- | >70 | >70 | >70 | >70 | >70 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | >70 | >70 | >70 | >70 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Test conditions: RF IN: 6850 MHz; -14.00 dBm.
 LO IN: 6880 MHz; +7.00 dBm
 IF OUT: 30 MHz; -20.47 dBm

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | +3 | 49 | 22 | --- | --- | --- | --- | --- | --- | --- |
| 1 | - | 21 | +0 | 45 | 25 | 49 | --- | --- | --- | --- | --- | --- |
| 2 | 67 | 50 | 37 | 41 | 40 | 61 | 49 | --- | --- | --- | --- | --- |
| 3 | >90 | 51 | 49 | 61 | 37 | 60 | 62 | 69 | --- | --- | --- | --- |
| 4 | --- | --- | 78 | 70 | 61 | 61 | 60 | 70 | 74 | --- | --- | --- |
| 5 | --- | --- | --- | 78 | 71 | >79 | 55 | 78 | 68 | >79 | --- | --- |
| 6 | --- | --- | --- | --- | >79 | >79 | >79 | 74 | 74 | >79 | 75 | --- |
| 7 | --- | --- | --- | --- | --- | >79 | >79 | >79 | 70 | >79 | >79 | >79 |
| 8 | --- | --- | --- | --- | --- | --- | >79 | >79 | >79 | >79 | >79 | >79 |
| 9 | --- | --- | --- | --- | --- | --- | --- | >79 | >79 | >79 | >79 | >79 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | >79 | >79 | >79 | >79 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 6850 MHz; -4.00 dBm.
 LO IN: 6880 MHz; +7.00 dBm
 IF OUT: 30 MHz; -10.55 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 represent the Harmonics level of the RF input signal to the mixer.