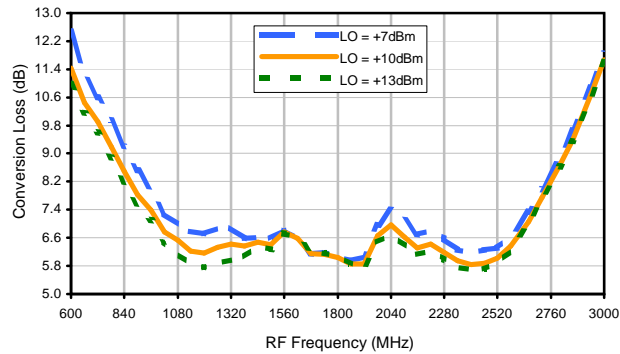
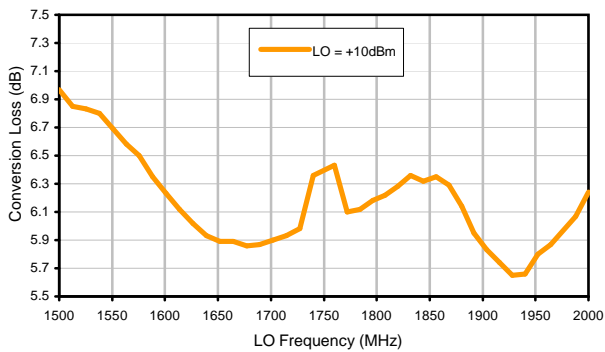


Typical Performance Curves

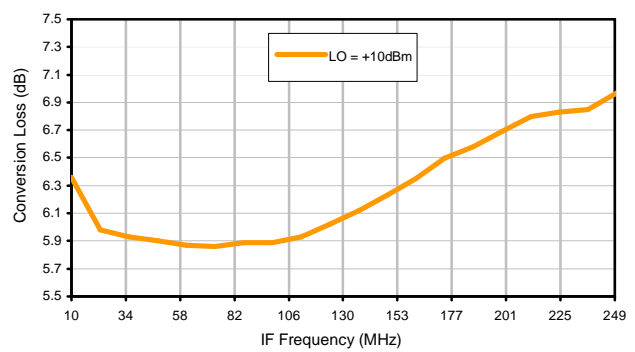
Conversion Loss @ IF=30MHz



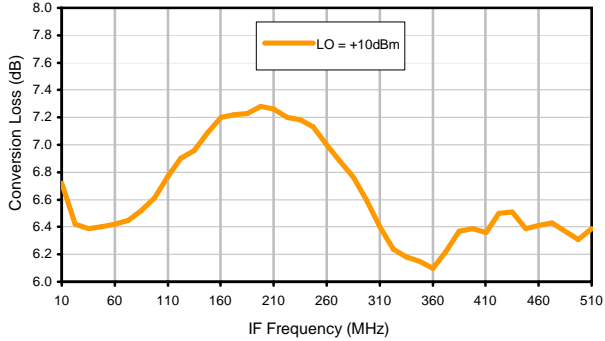
Conversion Loss vs. LO @ RF=1750MHz



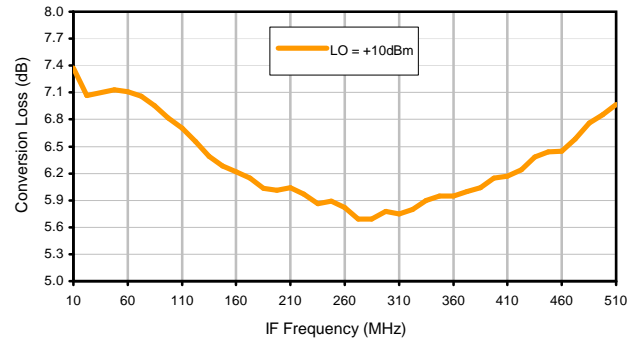
Conversion Loss vs. IF @ RF=1750MHz



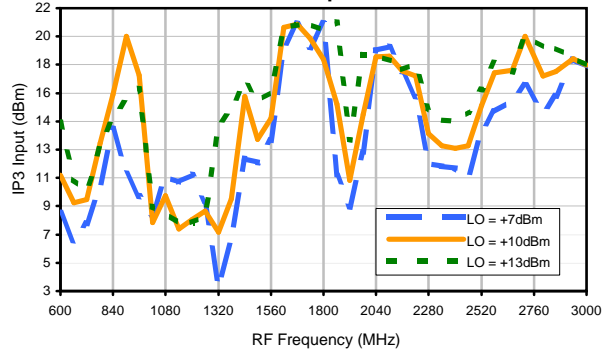
Conversion Loss vs. IF @ RF=1490MHz



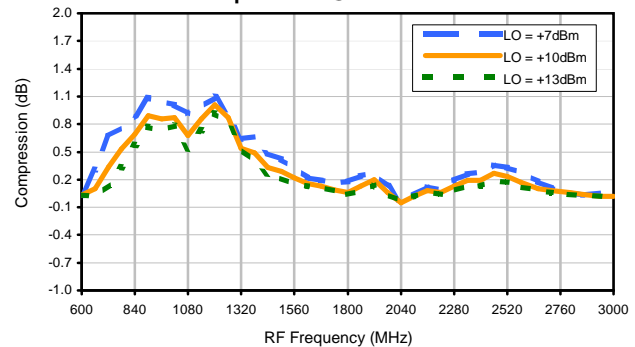
Conversion Loss vs. IF @ RF=2010.1MHz



IP3 Input

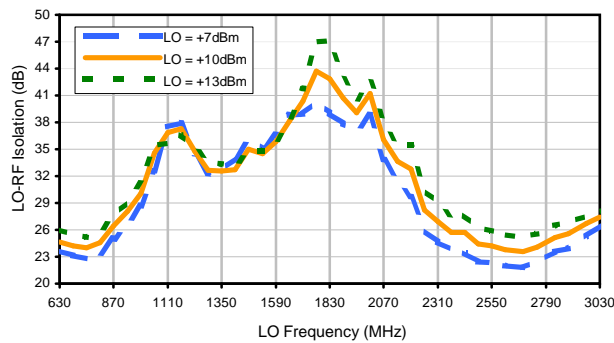


Compression @ RF IN=+1dBm

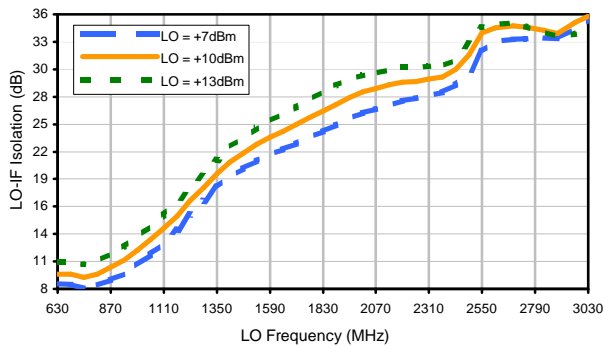


Typical Performance Curves

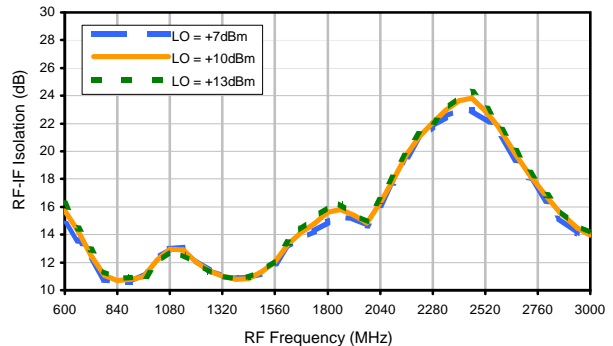
LO-RF Isolation



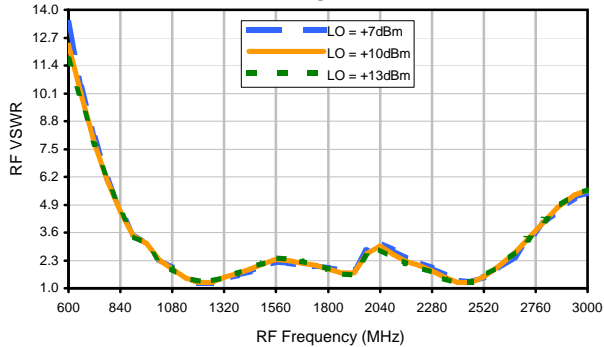
LO-IF Isolation



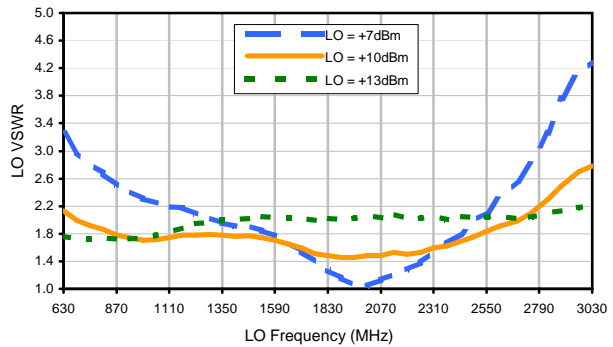
RF-IF Isolation



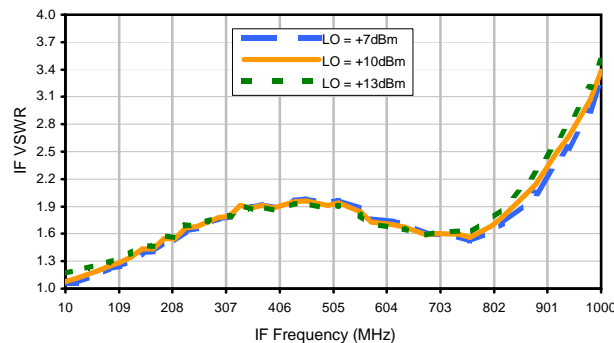
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

| | (-dBm) | (dBc) | | | | | | | | | | |
|----|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | +11 | 1 | +0 | 14 | 6 | 14 | 26 | 32 | 18 | 30 |
| 1 | - | 9 | +0 | 31 | 32 | 32 | 22 | 23 | 35 | 38 | 43 | 38 |
| 2 | >90 | >64 | >64 | 60 | >64 | 63 | 51 | >64 | 54 | 60 | >64 | >64 |
| 3 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 4 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 5 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 6 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 7 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 8 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 9 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| 10 | >90 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 | >64 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 1750 MHz; -14.00 dBm.
 LO IN: 1780 MHz; +10.00 dBm
 IF OUT: 30 MHz; -26.36 dBm

RF HARMONICS ORDER

| | (-dBm) | (dBc) | | | | | | | | | | |
|----|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | 1 | 13 | 12 | 26 | 18 | 26 | 38 | 47 | 31 | 42 |
| 1 | - | 9 | +0 | 31 | 32 | 32 | 22 | 23 | 37 | 38 | 45 | 39 |
| 2 | 76 | 61 | 64 | 49 | 55 | 52 | 40 | 68 | 44 | 51 | 56 | 60 |
| 3 | >90 | 73 | >75 | 74 | 62 | 71 | 74 | 70 | 60 | 59 | 59 | 68 |
| 4 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | 72 | >75 | 71 | >75 |
| 5 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 |
| 6 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 |
| 7 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 |
| 8 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 |
| 9 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 |
| 10 | >90 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 | >75 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 1750 MHz; -4.00 dBm.
 LO IN: 1780 MHz; +10.00 dBm
 IF OUT: 30 MHz; -14.83 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.