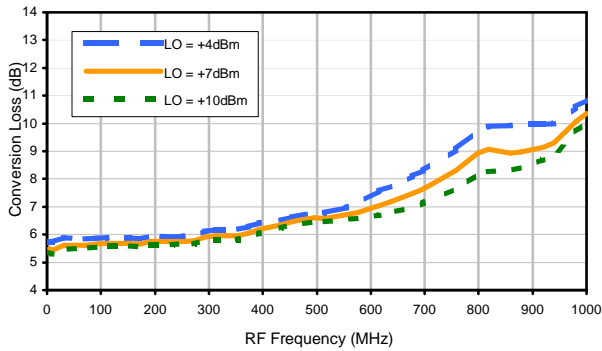
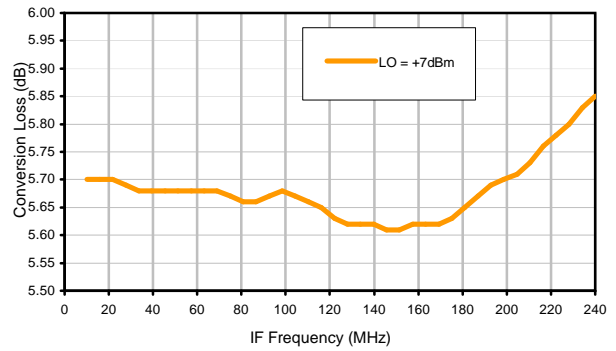


Typical Performance Curves

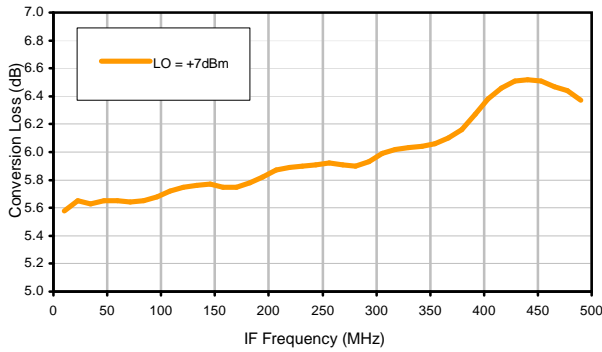
Conversion Loss @ IF=30MHz



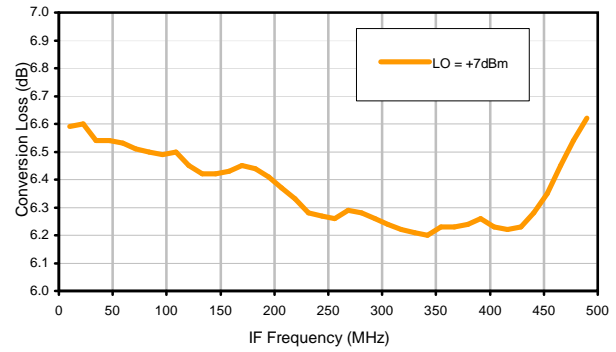
Conversion Loss vs. IF @ RF=250.1MHz



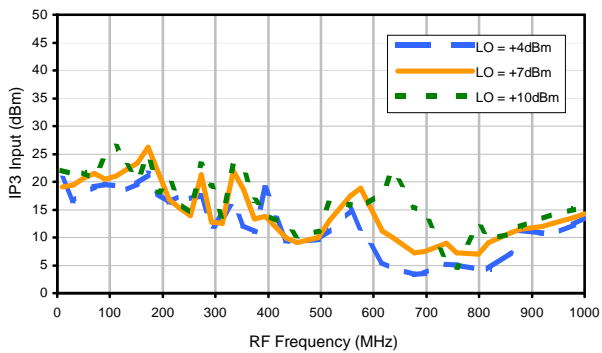
Conversion Loss vs. IF @ RF=10.1MHz



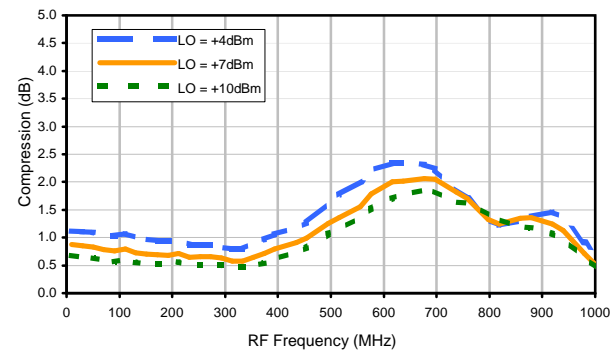
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

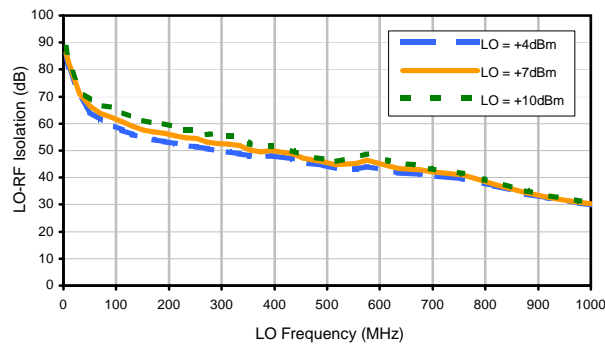


Compression @ RF IN=+1dBm

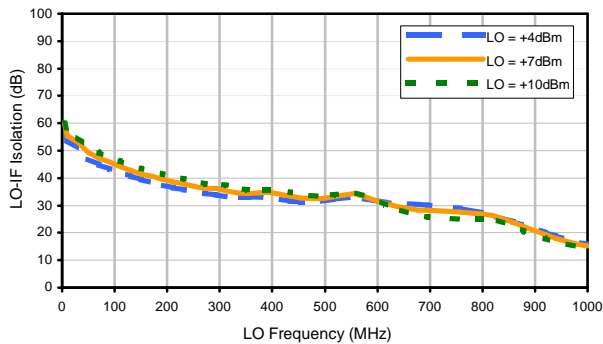


Typical Performance Curves

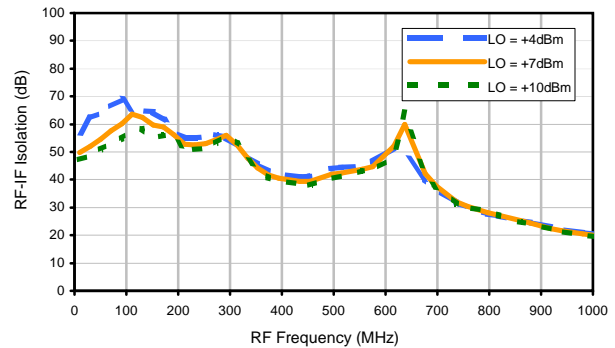
LO-RF Isolation



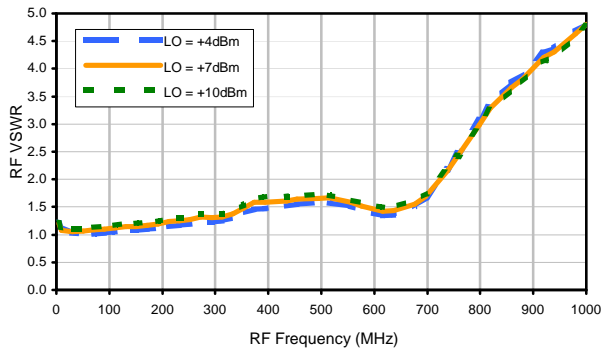
LO-IF Isolation



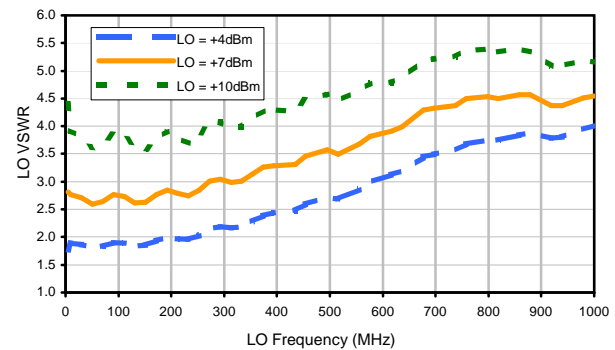
RF-IF Isolation



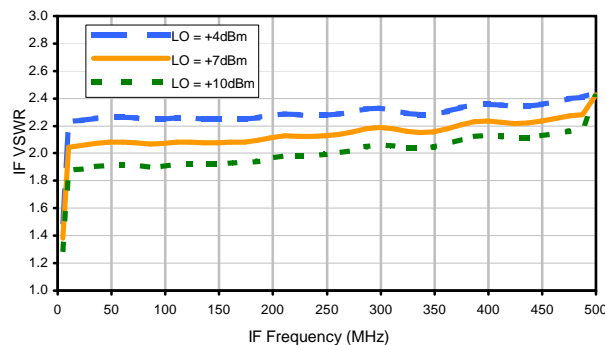
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | 9 | 34 | 14 | 35 | 17 | 59 | 24 | 47 | 25 | 41 |
| 1 | - | 48 | +0 | 52 | 12 | 40 | 14 | 35 | 36 | 48 | 45 | 48 |
| 2 | >100 | 70 | 53 | 67 | 53 | 68 | 51 | 78 | 54 | >80 | 59 | 73 |
| 3 | >100 | 76 | 60 | 73 | 63 | 75 | 57 | 77 | 60 | 75 | 77 | >80 |
| 4 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| 5 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| 6 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| 7 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| 8 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| 9 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | 67 | >80 | >80 |
| 10 | >100 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | 71 | >80 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -14.00 dBm.
 LO IN: 280.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -19.88 dBm

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | 20 | 46 | 26 | 45 | 29 | 75 | 36 | 59 | 39 | 55 |
| 1 | - | 46 | +0 | 53 | 12 | 40 | 16 | 39 | 37 | 56 | 45 | 57 |
| 2 | 93 | 67 | 45 | 64 | 44 | 66 | 43 | 86 | 46 | 73 | 52 | 72 |
| 3 | >100 | 60 | 42 | 67 | 47 | 68 | 40 | 62 | 38 | 56 | 60 | 64 |
| 4 | >100 | 82 | 83 | 85 | 66 | 82 | 61 | 81 | 58 | 79 | 66 | 88 |
| 5 | >100 | 78 | 63 | 69 | 61 | 71 | 57 | 71 | 56 | 71 | 59 | 79 |
| 6 | >100 | 89 | 72 | 87 | 81 | 86 | 82 | 85 | 75 | 84 | 68 | >90 |
| 7 | >100 | >90 | 76 | >90 | 71 | 82 | 75 | 80 | 73 | 83 | 68 | 80 |
| 8 | >100 | >90 | >90 | >90 | 79 | >90 | 80 | >90 | >90 | >90 | >90 | 90 |
| 9 | >100 | >90 | >90 | >90 | 84 | >90 | 80 | >90 | 83 | 70 | 87 | >90 |
| 10 | >100 | >90 | >90 | >90 | >90 | >90 | >90 | >90 | >90 | >90 | 75 | >90 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -4.00 dBm.
 LO IN: 280.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -9.97 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.

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