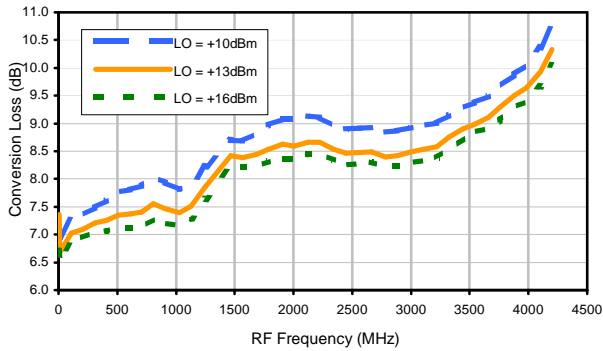
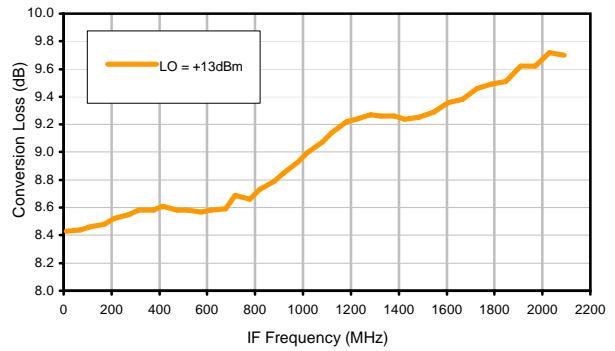


Typical Performance Curves

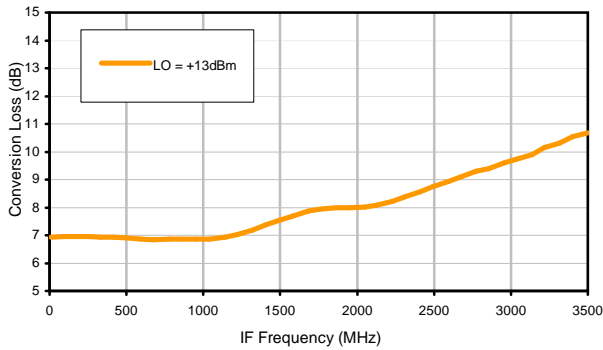
Conversion Loss @ IF=30MHz



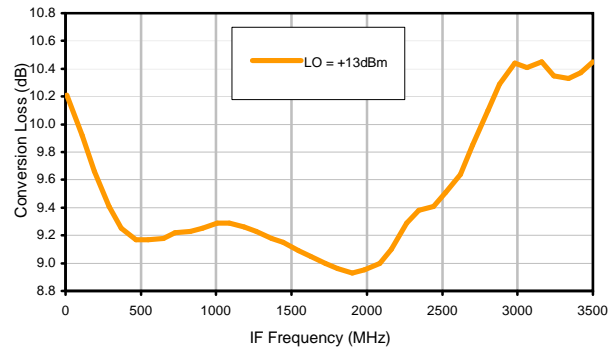
Conversion Loss vs. IF @ RF=2100.1MHz



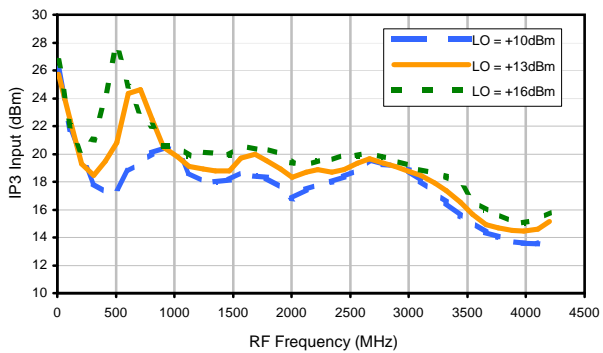
Conversion Loss vs. IF @ RF=10.1MHz



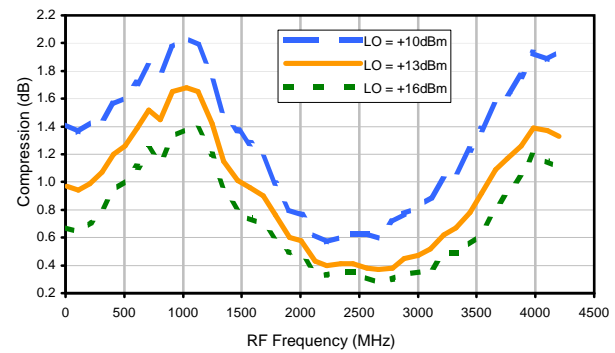
Conversion Loss vs. IF @ RF=4200.1MHz



IP3 Input

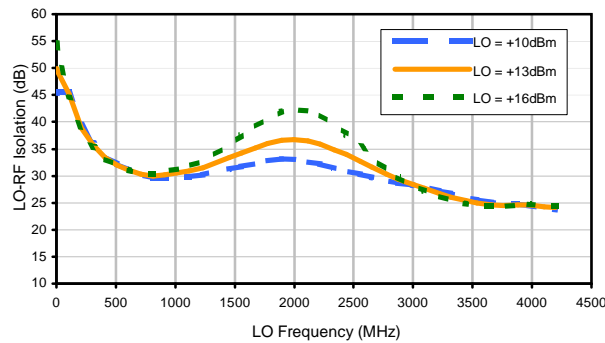


Compression @ RF IN=+9dBm

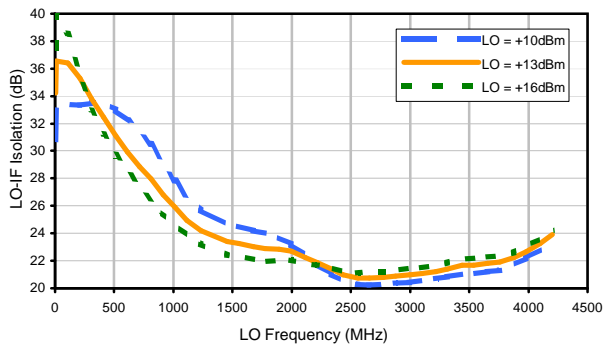


Typical Performance Curves

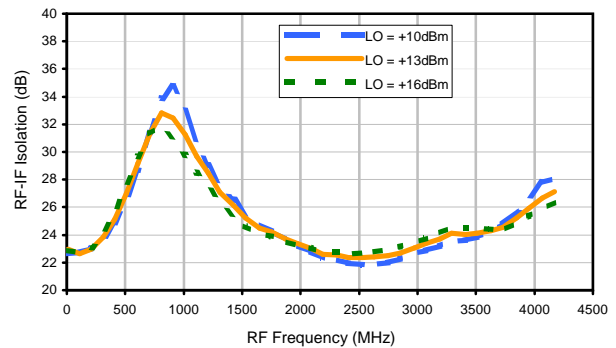
LO-RF Isolation



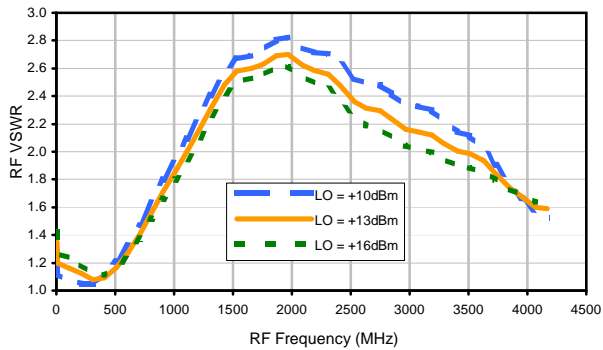
LO-IF Isolation



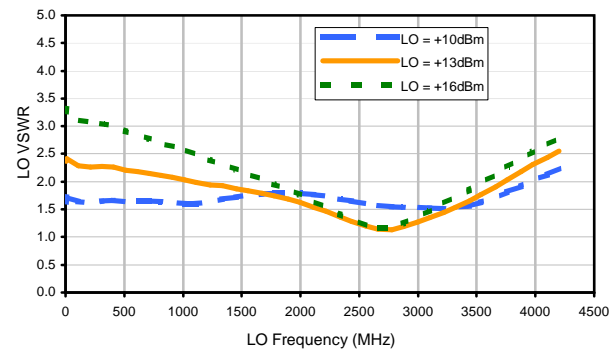
RF-IF Isolation



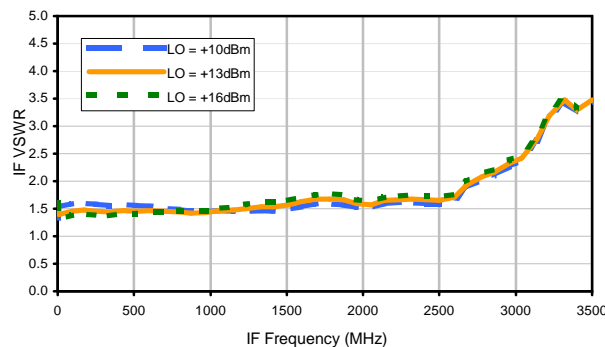
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 0 | - | - | 5 | 22 | 25 | 40 | 30 | 49 | 45 | 59 | 51 | 61 |
| 1 | - | 16 | +0 | 31 | 17 | 40 | 28 | 37 | 41 | 64 | 58 | 59 |
| 2 | 74 | 60 | 40 | 41 | 60 | 48 | 49 | 51 | 42 | 58 | 64 | 69 |
| 3 | >100 | 48 | 38 | 46 | 40 | 48 | 46 | 52 | 54 | 48 | 54 | 74 |
| 4 | 77 | 64 | 59 | 69 | 65 | 59 | 58 | 61 | 59 | 63 | 56 | 71 |
| 5 | 92 | 78 | 66 | 70 | 61 | 64 | 56 | 62 | 61 | 60 | 71 | 62 |
| 6 | 88 | 90 | 86 | 91 | 88 | 79 | 81 | 72 | 75 | 74 | 70 | 76 |
| 7 | 89 | >95 | 92 | >95 | 84 | 79 | 77 | 75 | 72 | 72 | 75 | 73 |
| 8 | 100 | >95 | >95 | >95 | 93 | >95 | 94 | 89 | 89 | 83 | 83 | 85 |
| 9 | >100 | >95 | >95 | >95 | >95 | >95 | >95 | 94 | 91 | 86 | 86 | 82 |
| 10 | >100 | >95 | >95 | >95 | >95 | >95 | >95 | >95 | >95 | >95 | >95 | 93 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 2100.1 MHz; 4.00 dBm.
 LO IN: 2130.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -4.51 dBm

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | +5 | 12 | 14 | 27 | 17 | 36 | 33 | 48 | 34 | 43 |
| 1 | - | 16 | +0 | 31 | 17 | 38 | 27 | 33 | 36 | 61 | 56 | 48 |
| 2 | 84 | 60 | 49 | 51 | 69 | 57 | 73 | 59 | 47 | 65 | 66 | 69 |
| 3 | >100 | 70 | 59 | 69 | 60 | 68 | 65 | 70 | 72 | 65 | 70 | >85 |
| 4 | 91 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | 82 | >85 |
| 5 | >100 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 6 | >100 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 7 | >100 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 8 | >100 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 9 | >100 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 10 | >100 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 2100.1 MHz; -6.00 dBm.
 LO IN: 2130.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -14.55 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.

REV. X2
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 100817
 Page 3 of 3



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