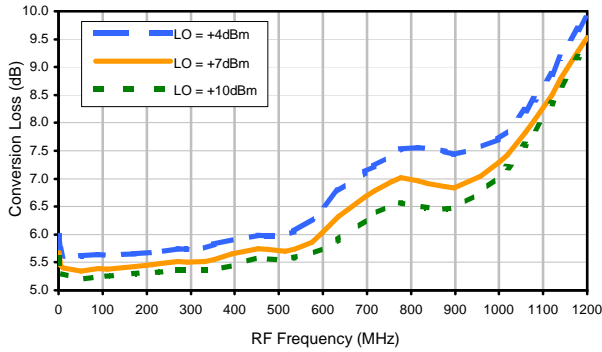
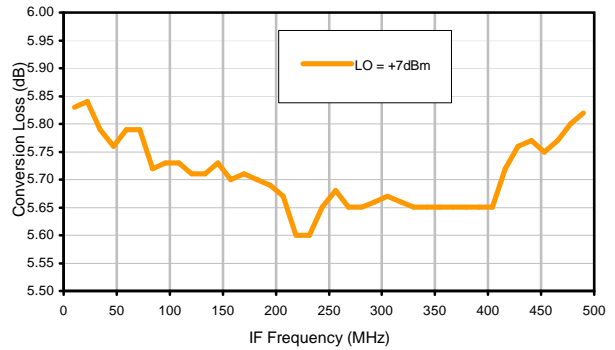


Typical Performance Curves

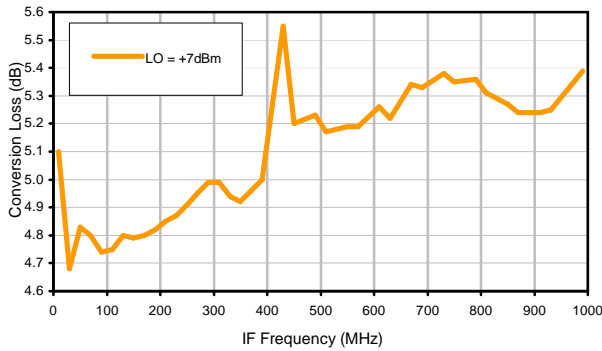
Conversion Loss @ IF=30 MHz



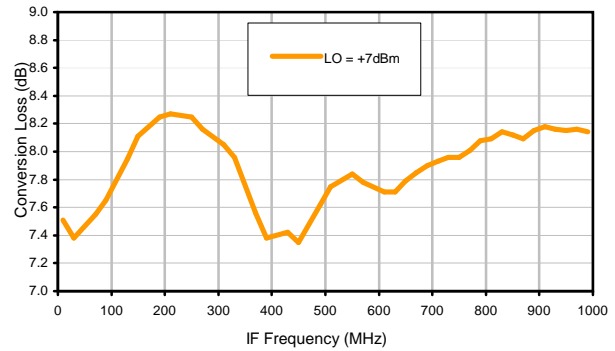
Conversion Loss vs. IF @ RF=500.1 MHz



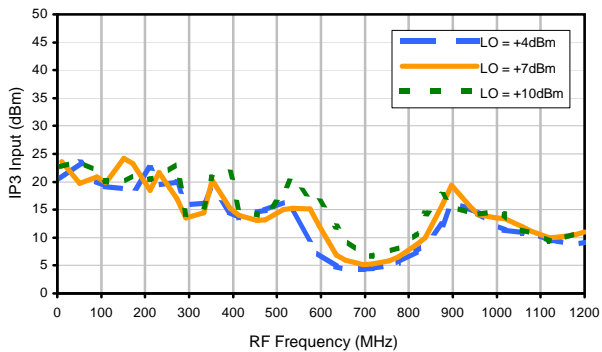
Conversion Loss vs. IF @ RF=10.1 MHz



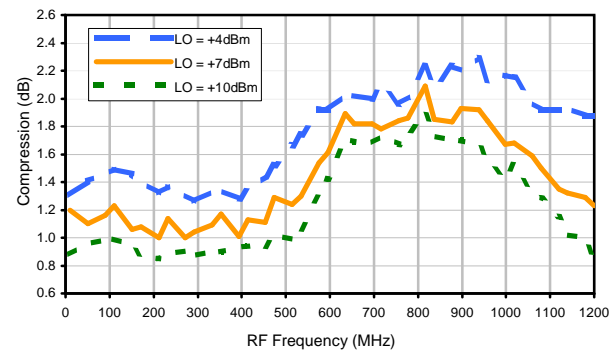
Conversion Loss vs. IF @ RF=1000.1 MHz



IP3 Input

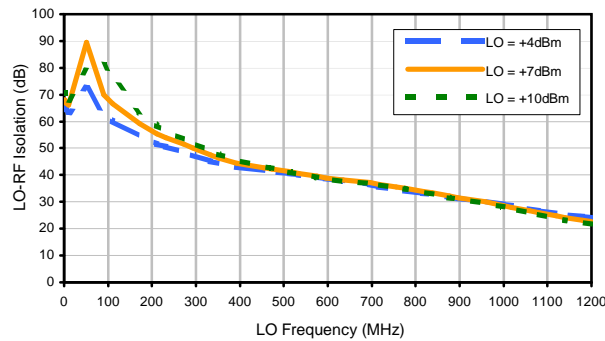


Compression @ RF IN = +1 dBm

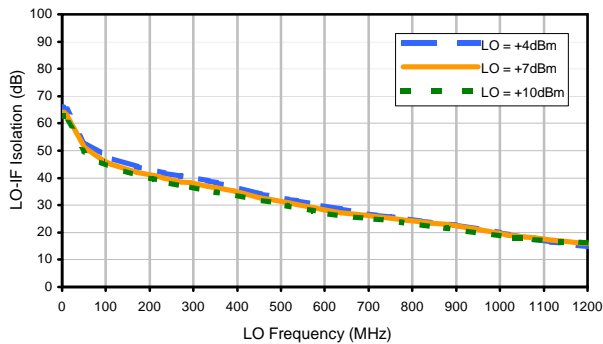


Typical Performance Curves

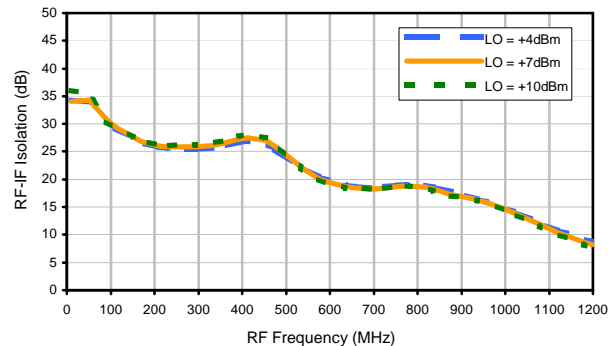
LO-RF Isolation



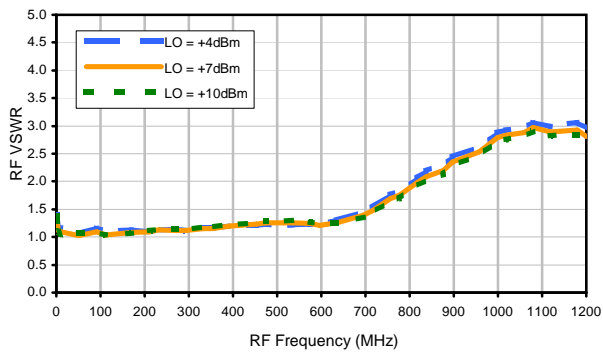
LO-IF Isolation



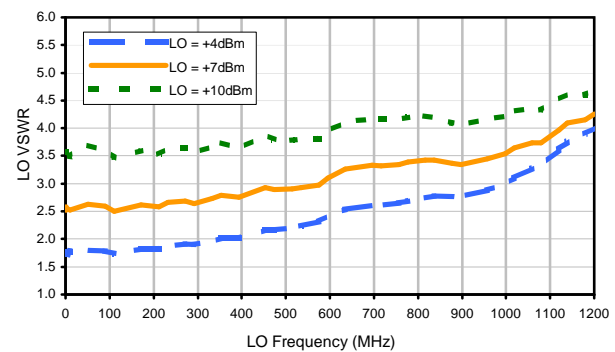
RF-IF Isolation



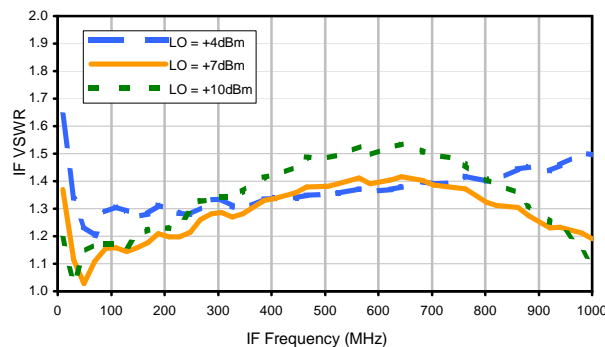
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | - | - | 4 | 16 | 11 | 30 | 14 | 28 | 36 | 45 | 45 | 51 |
| 1 | - | 18 | 0 | 37 | 11 | 32 | 34 | 51 | 50 | 43 | 65 | 55 |
| 2 | 109 | 59 | 45 | 57 | 44 | 57 | 47 | 64 | 52 | 66 | 70 | 73 |
| 3 | 113 | 67 | 67 | 68 | 65 | 69 | 63 | 83 | 89 | 81 | 89 | 79 |
| 4 | 120 | 95 | 92 | 90 | 95 | 90 | 98 | 92 | 92 | 92 | 93 | 96 |
| 5 | 119 | 99 | 120 | 107 | 108 | 111 | 95 | 109 | 102 | 117 | 96 | 111 |
| 6 | 128 | 125 | 108 | 102 | 124 | 94 | 101 | 85 | 104 | 100 | 108 | 105 |
| 7 | 112 | 107 | 108 | 99 | 106 | 131 | 97 | 97 | 87 | 101 | 102 | 98 |
| 8 | 116 | 107 | 99 | 104 | 105 | 106 | 102 | 100 | 97 | 85 | 96 | 111 |
| 9 | 111 | 109 | 122 | 100 | 99 | 107 | 109 | 106 | 100 | 98 | 96 | 99 |
| 10 | 120 | 106 | 106 | 105 | 104 | 105 | 119 | 118 | 122 | 99 | 92 | 90 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -14.00 dBm.
 LO IN: 530.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -19.53 dBm

RF HARMONICS ORDER

| | (-dBm) | (-dBc) | | | | | | | | | | |
|----|--------|--------|-----|-----|-----|-----|-----|-----|----|----|----|----|
| 0 | - | - | 13 | 28 | 23 | 42 | 27 | 39 | 49 | 54 | 54 | 63 |
| 1 | - | 19 | 0 | 34 | 12 | 33 | 35 | 52 | 52 | 49 | 65 | 61 |
| 2 | 94 | 47 | 38 | 59 | 38 | 49 | 39 | 61 | 44 | 58 | 61 | 73 |
| 3 | 110 | 44 | 43 | 51 | 42 | 52 | 40 | 54 | 65 | 68 | 70 | 63 |
| 4 | 109 | 76 | 61 | 59 | 53 | 57 | 53 | 57 | 57 | 67 | 62 | 70 |
| 5 | 142 | 71 | 70 | 84 | 58 | 61 | 58 | 62 | 61 | 74 | 77 | 76 |
| 6 | 112 | 84 | 92 | 90 | 78 | 82 | 73 | 84 | 91 | 73 | 77 | 81 |
| 7 | 113 | 87 | 95 | 91 | 83 | 75 | 72 | 73 | 74 | 73 | 74 | 86 |
| 8 | 112 | 93 | 89 | 95 | 101 | 92 | 81 | 77 | 76 | 76 | 77 | 80 |
| 9 | 109 | 115 | 100 | 96 | 100 | 98 | 98 | 87 | 81 | 86 | 85 | 85 |
| 10 | 113 | 117 | 113 | 104 | 102 | 110 | 112 | 109 | 94 | 89 | 94 | 94 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -4.00 dBm.
 LO IN: 530.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -9.52 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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