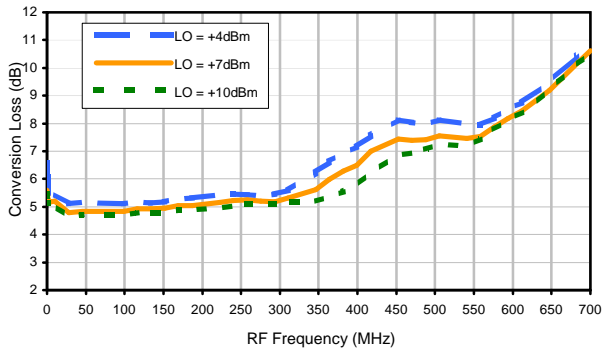
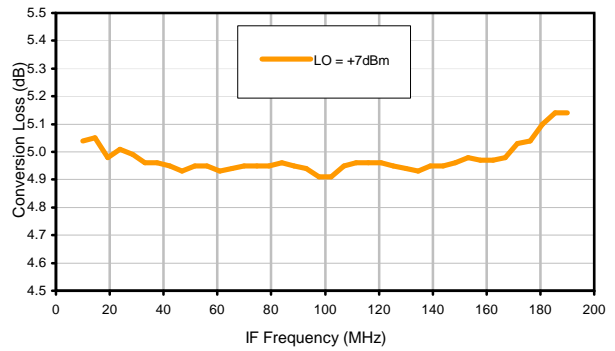


## Typical Performance Curves

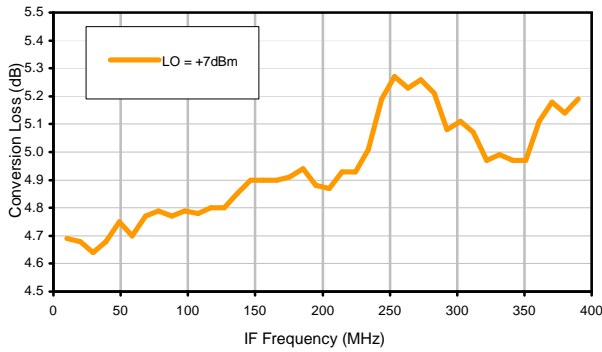
Conversion Loss @ IF=30MHz



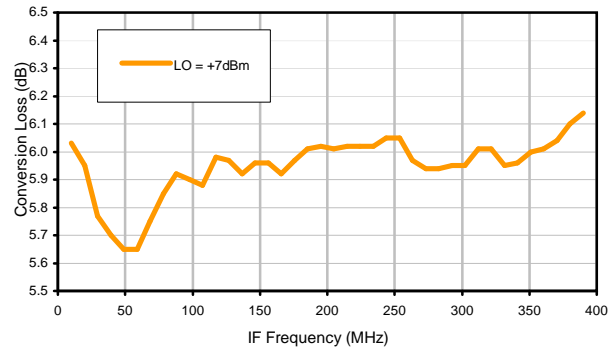
Conversion Loss vs. IF @ RF=200.1MHz



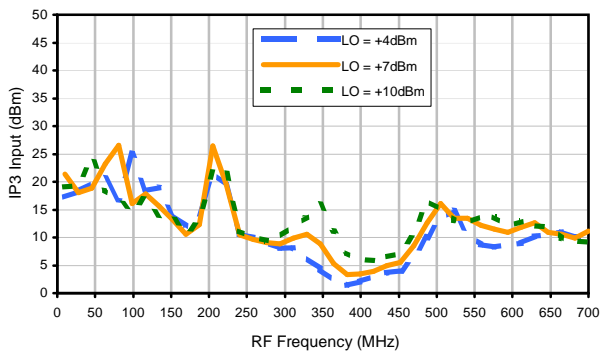
Conversion Loss vs. IF @ RF=10.1MHz



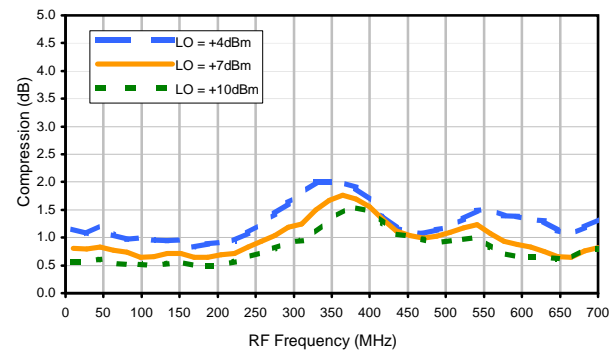
Conversion Loss vs. IF @ RF=400.1MHz



IP3 Input

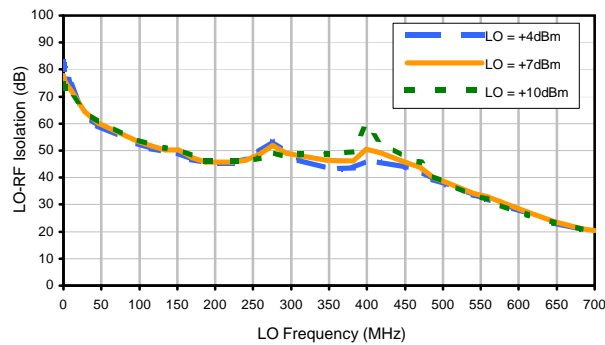


Compression @ RF IN=+1dBm

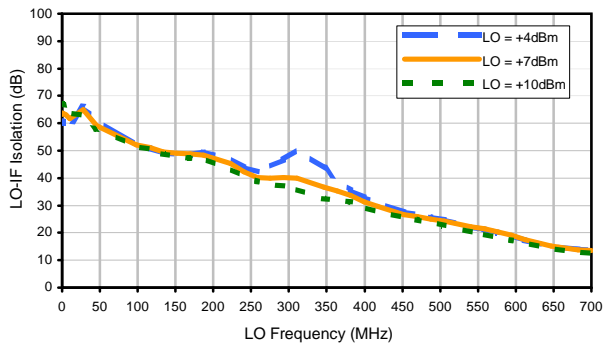


## Typical Performance Curves

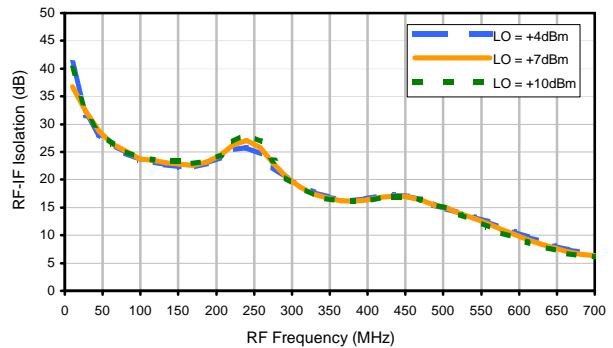
LO-RF Isolation



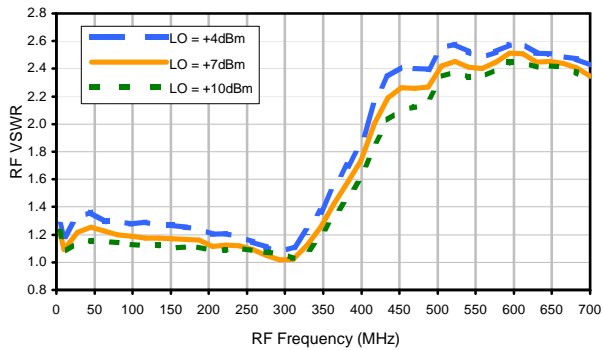
LO-IF Isolation



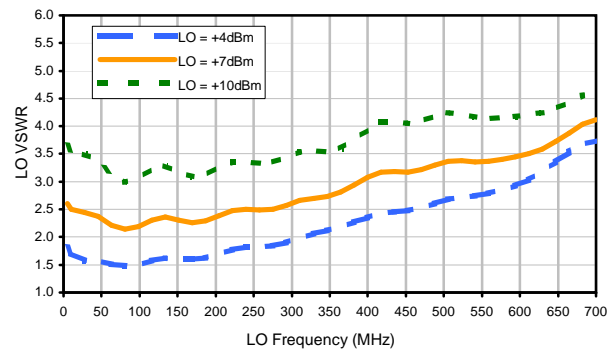
RF-IF Isolation



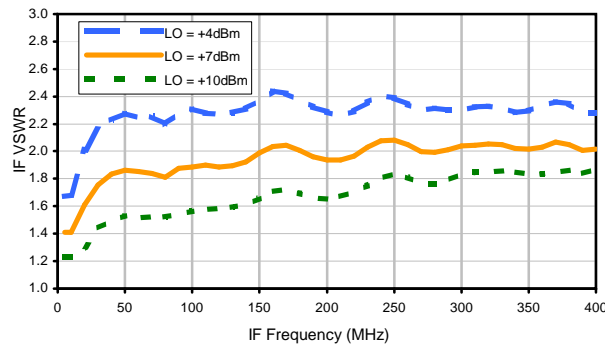
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 16  | 31  | 11  | 52  | 19  | 43  | 24  | 39  | 37  | 47  |
| 1  | -      | 19     | +0  | 24  | 11  | 35  | 30  | 42  | 38  | 43  | 39  | 48  |
| 2  | >100   | 57     | 56  | 55  | 57  | 56  | 51  | 72  | 59  | 67  | 59  | >81 |
| 3  | >100   | 76     | 71  | 74  | 65  | 72  | 65  | 77  | 73  | 72  | 66  | 75  |
| 4  | >100   | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 5  | >100   | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 6  | >100   | >81    | >81 | >81 | >81 | >81 | 78  | >81 | >81 | >81 | >81 | >81 |
| 7  | >100   | >81    | >81 | >81 | >81 | >81 | >81 | 72  | >81 | >81 | >81 | >81 |
| 8  | >100   | >81    | >81 | >81 | >81 | >81 | >81 | >81 | 62  | >81 | >81 | >81 |
| 9  | >100   | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | 75  | >81 | >81 |
| 10 | >100   | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 200.1 MHz; -14.00 dBm.  
 LO IN: 230.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -19.24 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |    |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| 0  | -      | -      | 26  | 39  | 21  | 55  | 30  | 61  | 39  | 50  | 50 | 60  |
| 1  | -      | 19     | +0  | 25  | 11  | 34  | 32  | 48  | 38  | 48  | 45 | 57  |
| 2  | >100   | 54     | 50  | 52  | 52  | 50  | 46  | 64  | 53  | 58  | 52 | 66  |
| 3  | >100   | 51     | 41  | 49  | 45  | 53  | 39  | 65  | 55  | 55  | 53 | 56  |
| 4  | >100   | 68     | 68  | 66  | 64  | 64  | 64  | 66  | 62  | 83  | 67 | 76  |
| 5  | >100   | 70     | 60  | 56  | 51  | 62  | 51  | 63  | 53  | 65  | 68 | 68  |
| 6  | >100   | 89     | 86  | 84  | 79  | 81  | 78  | 84  | >91 | 79  | 87 | 90  |
| 7  | >100   | 89     | 90  | 83  | 75  | 69  | 71  | 72  | 67  | 75  | 67 | 82  |
| 8  | >100   | >91    | >91 | >91 | >91 | >91 | 86  | 87  | 70  | 89  | 81 | 86  |
| 9  | >100   | >91    | 88  | >91 | 90  | >91 | 76  | 78  | 76  | 79  | 79 | 90  |
| 10 | >100   | >91    | >91 | >91 | >91 | >91 | >91 | >91 | >91 | >91 | 89 | >91 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9  | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 200.1 MHz; -4.00 dBm.  
 LO IN: 230.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -9.22 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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Page 3 of 3



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