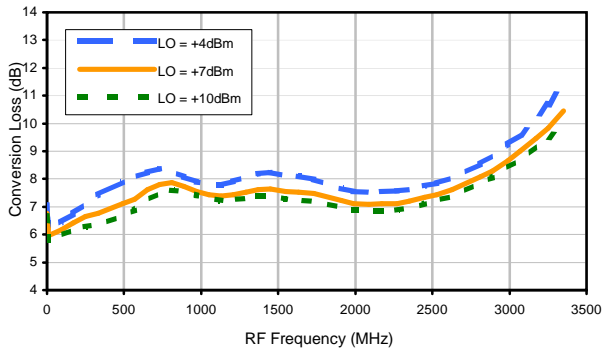
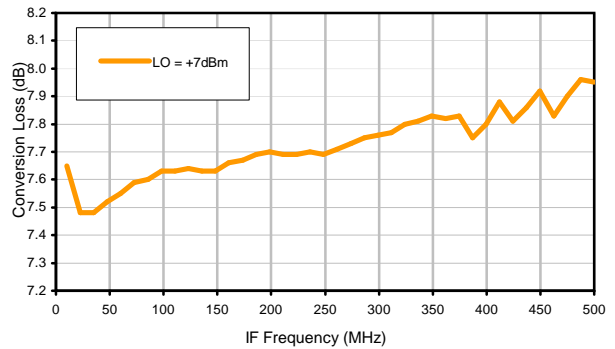


## Typical Performance Curves

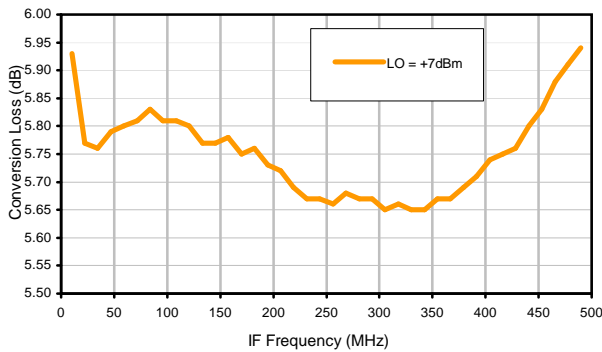
Conversion Loss @ IF=30MHz



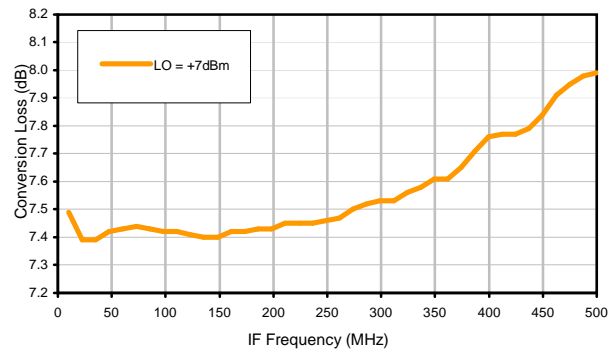
Conversion Loss vs. IF @ RF=1250.1MHz



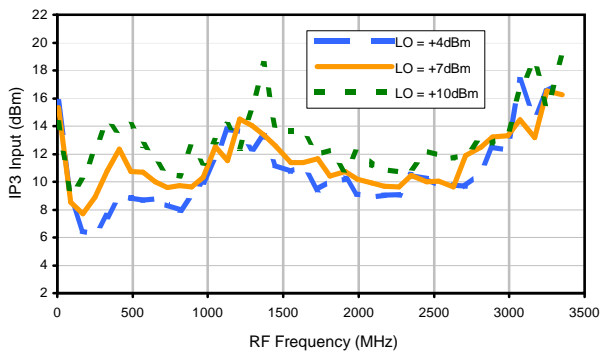
Conversion Loss vs. IF @ RF=10.1MHz



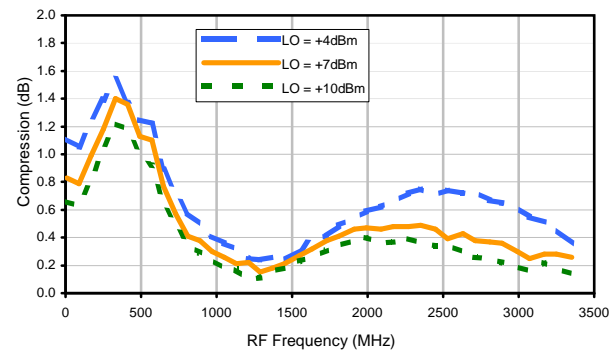
Conversion Loss vs. IF @ RF=2500.1MHz



IP3 Input

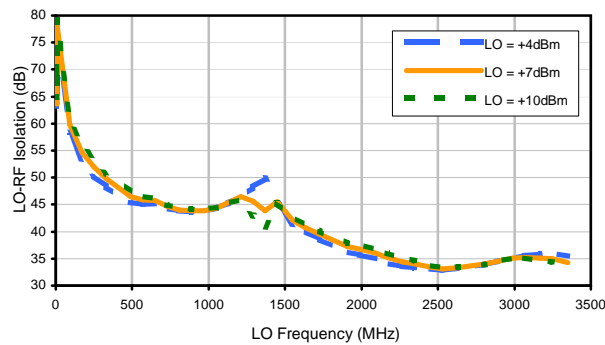


Compression @ RF IN=+1dBm

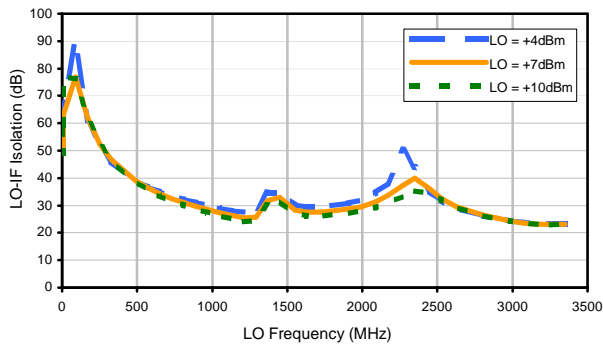


## Typical Performance Curves

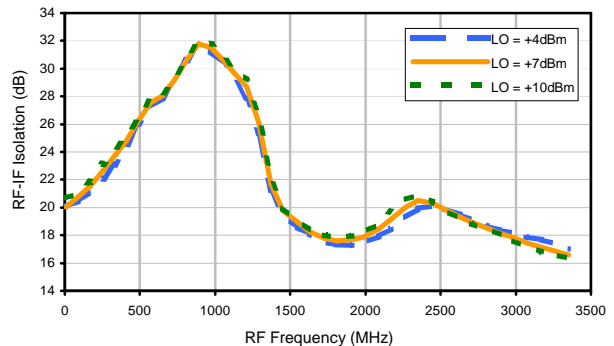
LO-RF Isolation



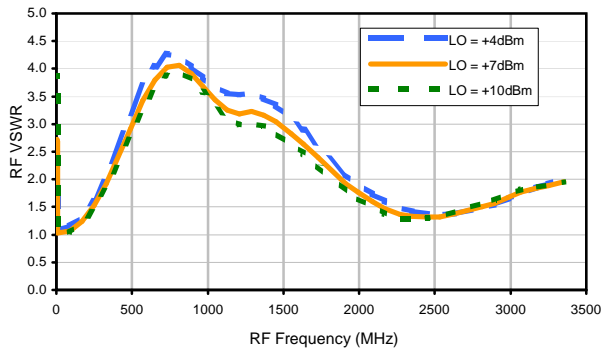
LO-IF Isolation



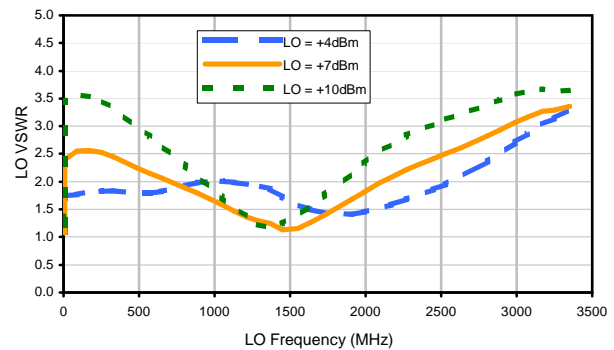
RF-IF Isolation



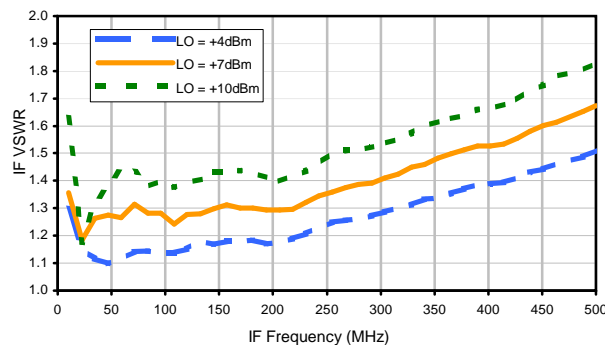
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +3  | 20  | 18  | 37  | 24  | 39  | 24  | 42  | 35  | 50  |
| 1  | -      | 21     | +0  | 40  | 17  | 42  | 34  | 31  | 45  | 51  | 46  | 48  |
| 2  | 96     | 68     | 72  | 72  | 65  | 73  | 67  | 76  | 64  | 75  | 59  | 73  |
| 3  | >100   | >78    | 66  | >78 | 67  | >78 | 71  | >78 | 77  | 71  | 78  | >78 |
| 4  | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 5  | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 6  | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 7  | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 8  | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 9  | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 10 | >100   | >78    | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; -14.00 dBm.  
 LO IN: 1280.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -21.62 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 7   | 30  | 29  | 47  | 35  | 50  | 37  | 57  | 50  | 74  |
| 1  | -      | 21     | +0  | 42  | 17  | 44  | 34  | 33  | 47  | 53  | 51  | 51  |
| 2  | 78     | 58     | 60  | 61  | 57  | 63  | 59  | 66  | 56  | 66  | 53  | 67  |
| 3  | >100   | 62     | 46  | 62  | 49  | 60  | 53  | 67  | 59  | 53  | 60  | 75  |
| 4  | >100   | >88    | 85  | 81  | 83  | 80  | 83  | 85  | 84  | >88 | 74  | 79  |
| 5  | >100   | >88    | 88  | >88 | 74  | 85  | 66  | 84  | 68  | 83  | 75  | 72  |
| 6  | >100   | >88    | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 7  | >100   | >88    | >88 | >88 | >88 | >88 | >88 | >88 | 87  | >88 | >88 | >88 |
| 8  | >100   | >88    | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 9  | >100   | >88    | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 10 | >100   | >88    | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; -4.00 dBm.  
 LO IN: 1280.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -11.69 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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