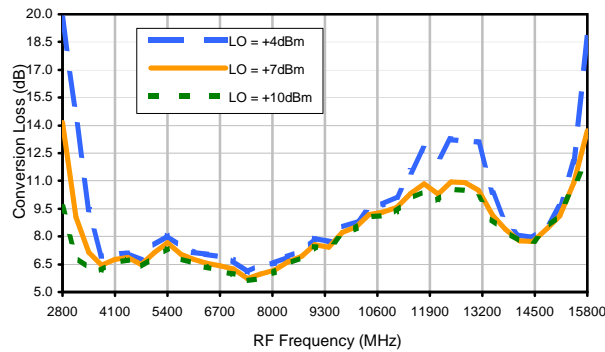
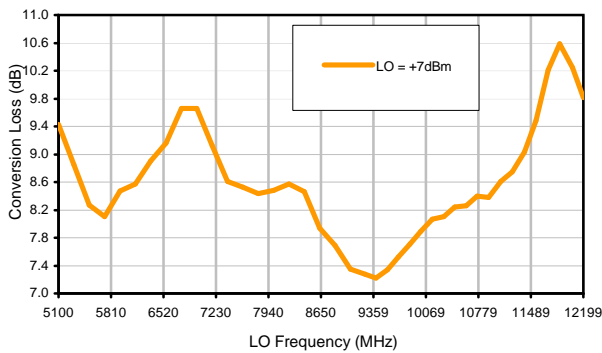


## Typical Performance Curves

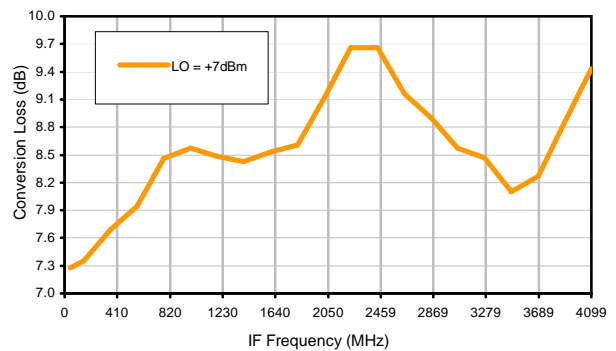
Conversion Loss @ IF=30MHz



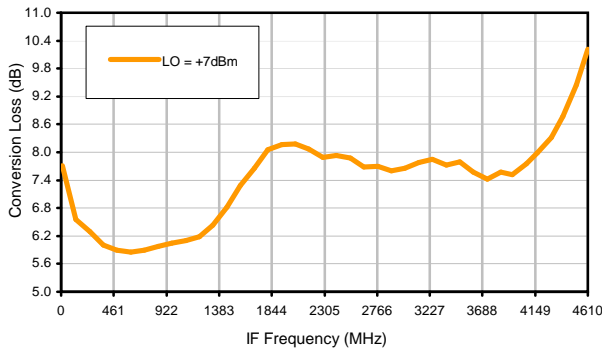
Conversion Loss vs. LO @ RF=9200MHz



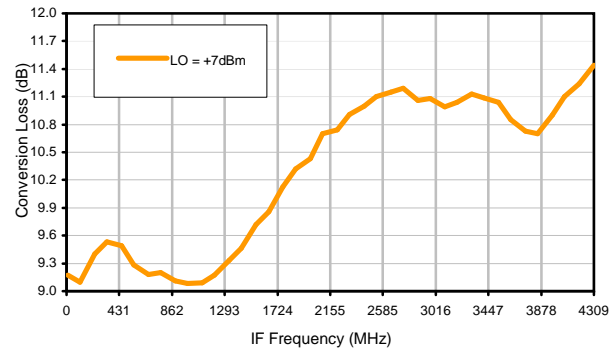
Conversion Loss vs. IF @ RF=9200MHz



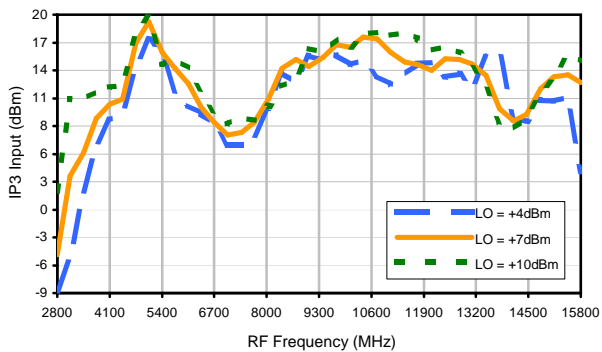
Conversion Loss vs. IF @ RF=3390MHz



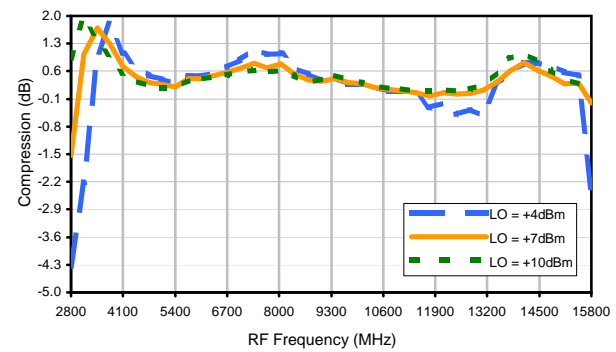
Conversion Loss vs. IF @ RF=15010MHz



IP3 Input

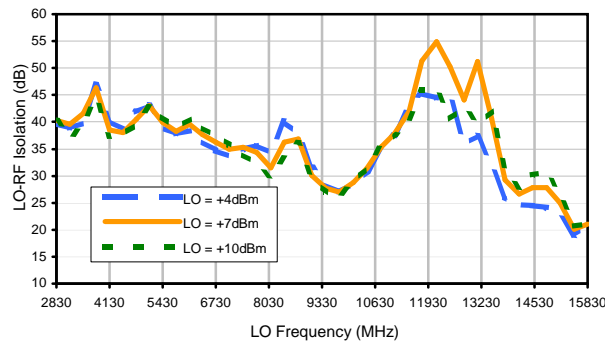


Compression @ RF IN=+1dBm

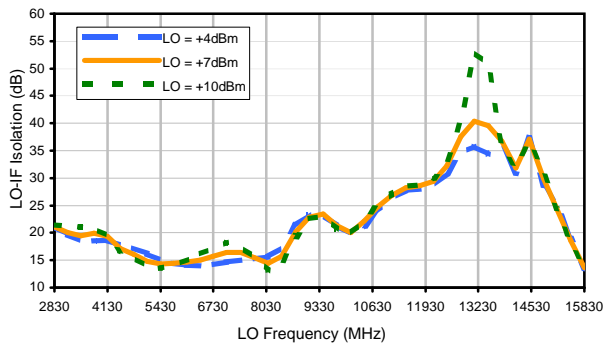


## Typical Performance Curves

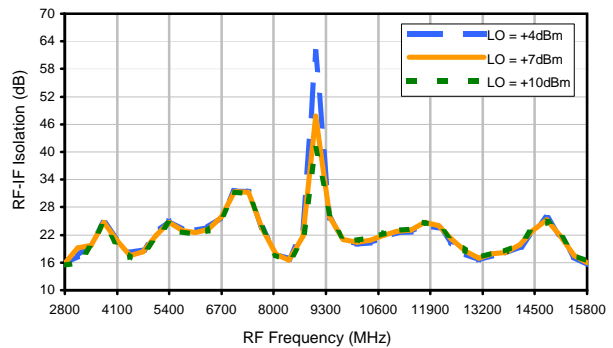
### LO-RF Isolation



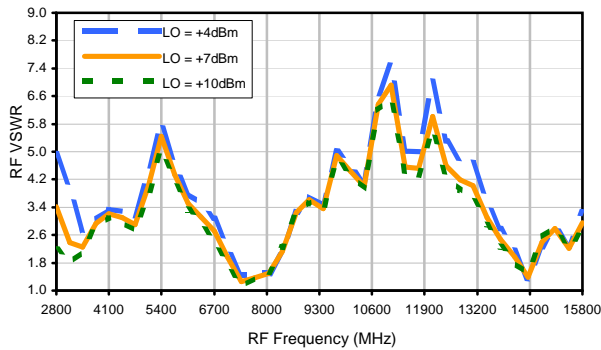
### LO-IF Isolation



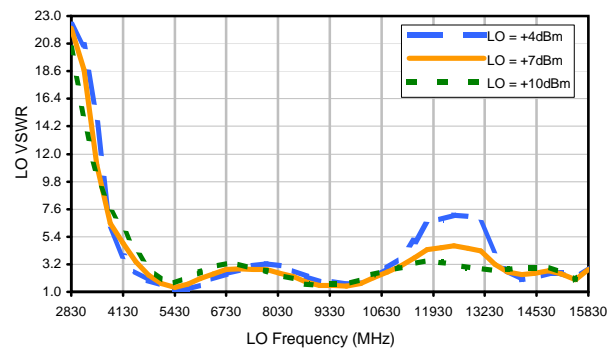
### RF-IF Isolation



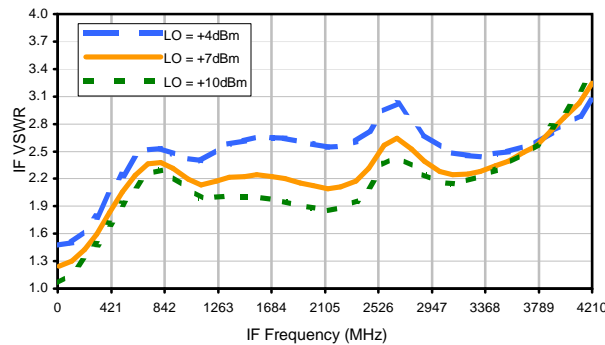
### RF VSWR



### LO VSWR



### IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +11 | 33  | 14  | --- | --- | --- | --- | --- | --- | --- |
| 1  | -      | 17     | +0  | 37  | 28  | 42  | --- | --- | --- | --- | --- | --- |
| 2  | >90    | 57     | 44  | 52  | 45  | 57  | 54  | --- | --- | --- | --- | --- |
| 3  | >90    | >70    | 68  | >70 | 59  | 65  | >70 | >70 | --- | --- | --- | --- |
| 4  | ---    | ---    | >70 | >70 | >70 | >70 | >70 | >70 | >70 | --- | --- | --- |
| 5  | ---    | ---    | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 | --- | --- |
| 6  | ---    | ---    | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 | --- |
| 7  | ---    | ---    | --- | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 | >70 |
| 8  | ---    | ---    | --- | --- | --- | --- | >70 | >70 | >70 | >70 | >70 | >70 |
| 9  | ---    | ---    | --- | --- | --- | --- | --- | >70 | >70 | >70 | >70 | >70 |
| 10 | ---    | ---    | --- | --- | --- | --- | --- | --- | >70 | >70 | >70 | >70 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

Test conditions: RF IN: 7700 MHz; -14.00 dBm.  
 LO IN: 7730 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -20.1 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +1  | 41  | 26  | --- | --- | --- | --- | --- | --- | --- |
| 1  | -      | 17     | +0  | 41  | 28  | 46  | --- | --- | --- | --- | --- | --- |
| 2  | 79     | 46     | 34  | 43  | 38  | 51  | 48  | --- | --- | --- | --- | --- |
| 3  | 74     | 54     | 48  | 58  | 39  | 50  | 62  | 61  | --- | --- | --- | --- |
| 4  | ---    | ---    | 77  | 73  | 59  | 59  | 55  | 62  | 66  | --- | --- | --- |
| 5  | ---    | ---    | --- | 79  | 75  | >80 | 58  | 63  | 77  | 72  | --- | --- |
| 6  | ---    | ---    | --- | --- | >80 | >80 | 75  | 73  | 70  | 75  | >80 | --- |
| 7  | ---    | ---    | --- | --- | --- | >80 | >80 | >80 | 72  | 76  | >80 | >80 |
| 8  | ---    | ---    | --- | --- | --- | --- | >80 | >80 | >80 | >80 | >80 | >80 |
| 9  | ---    | ---    | --- | --- | --- | --- | --- | >80 | >80 | >80 | >80 | >80 |
| 10 | ---    | ---    | --- | --- | --- | --- | --- | --- | >80 | >80 | >80 | >80 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 7700 MHz; -4.00 dBm.  
 LO IN: 7730 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -10.07 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.