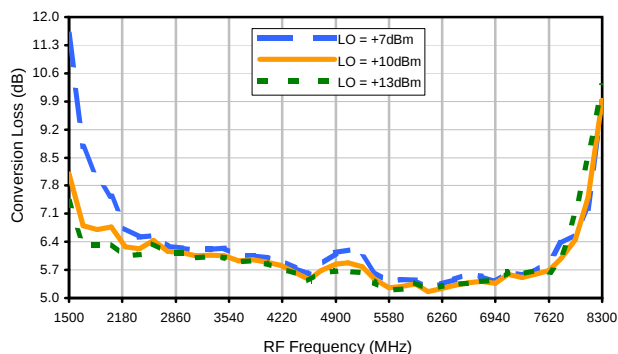
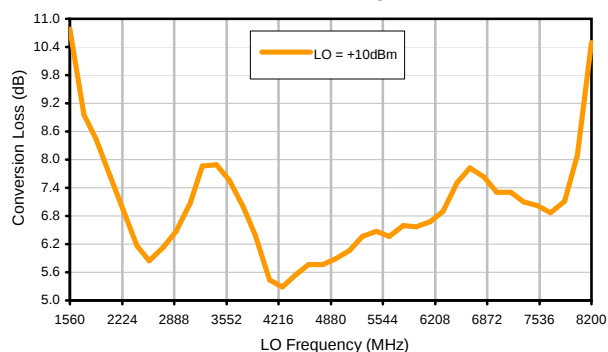


## Typical Performance Curves

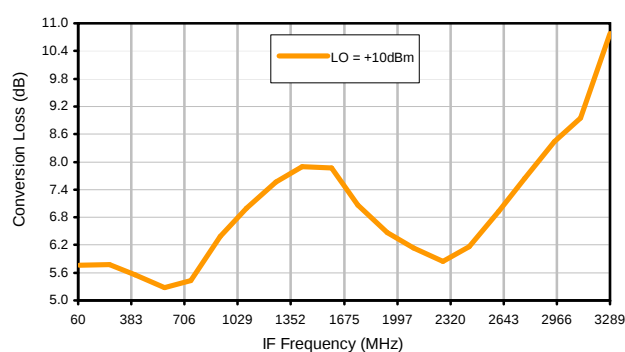
Conversion Loss @ IF=30MHz



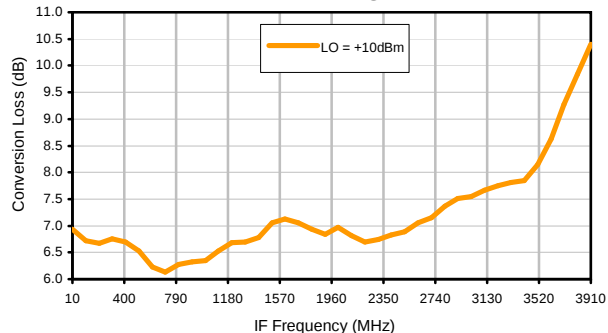
Conversion Loss vs. LO @ RF=4850MHz



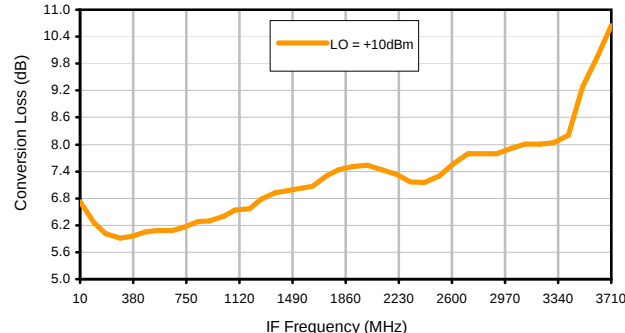
Conversion Loss vs. IF @ RF=4850MHz



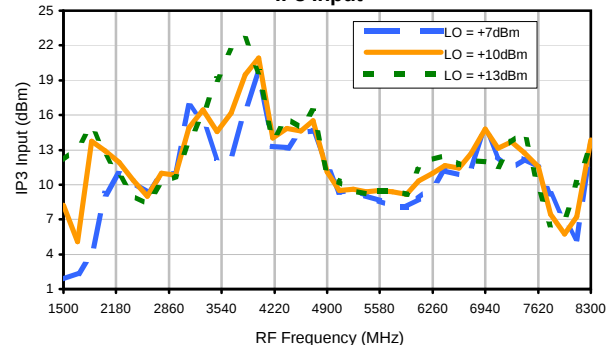
Conversion Loss vs. IF @ RF=1690MHz



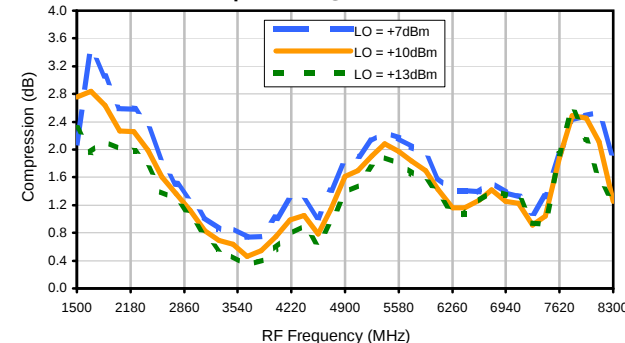
Conversion Loss vs. IF @ RF=8010.1MHz



IP3 Input

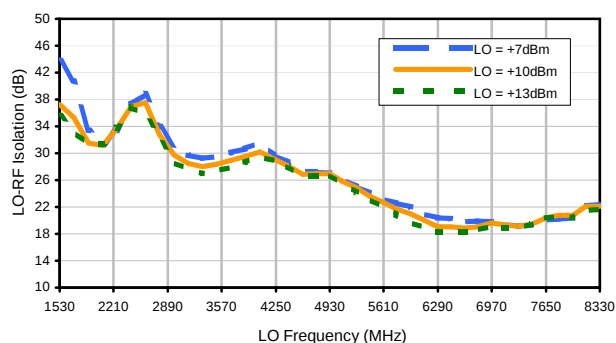


Compression @ RF IN=+3dBm

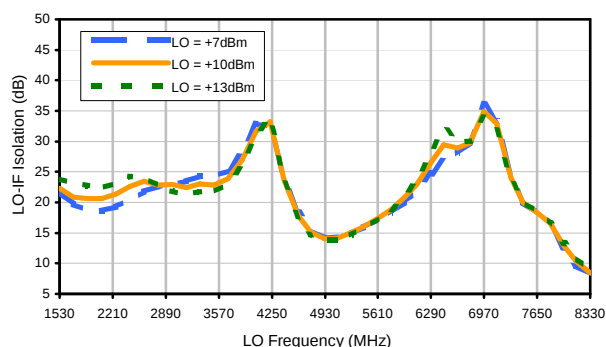


## Typical Performance Curves

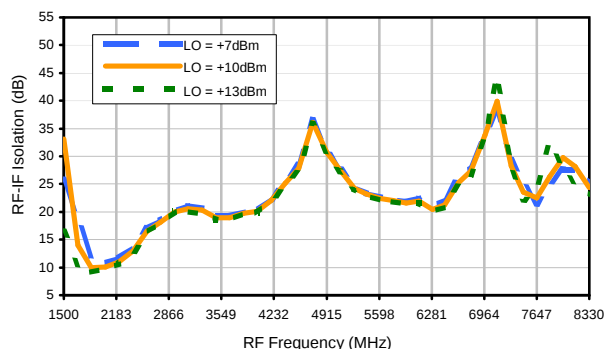
LO-RF Isolation



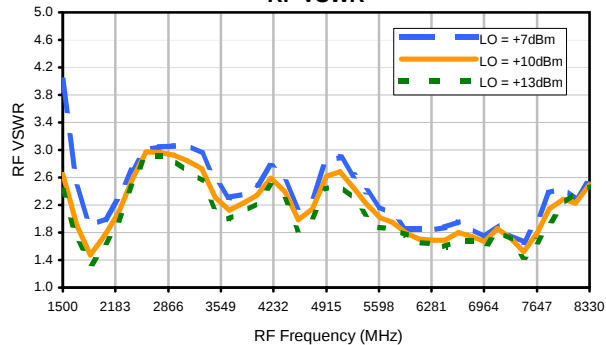
LO-IF Isolation



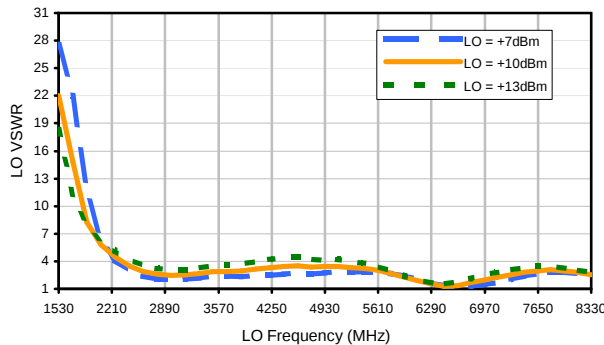
RF-IF Isolation



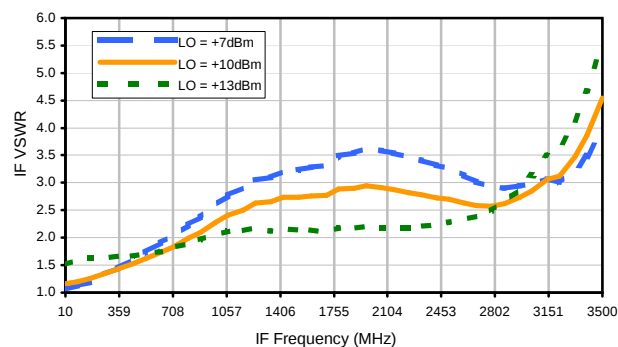
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +14 | 1   | 23  | 20  | --- | --- | --- | --- | --- | --- |
| 1  | -      | 27     | +0  | 48  | 12  | 38  | 32  | --- | --- | --- | --- | --- |
| 2  | 86     | 55     | 60  | 47  | 58  | 57  | 70  | 65  | --- | --- | --- | --- |
| 3  | >90    | >72    | 59  | >72 | 61  | >72 | 65  | >72 | >72 | --- | --- | --- |
| 4  | >90    | >72    | >72 | >72 | >72 | >72 | >72 | >72 | >72 | >72 | --- | --- |
| 5  | ---    | ---    | >72 | >72 | >72 | >72 | >72 | >72 | >72 | >72 | >72 | --- |
| 6  | ---    | ---    | --- | >72 | >72 | >72 | >72 | >72 | >72 | >72 | >72 | >72 |
| 7  | ---    | ---    | --- | --- | >72 | >72 | >72 | >72 | >72 | >72 | >72 | >72 |
| 8  | ---    | ---    | --- | --- | --- | >72 | >72 | >72 | >72 | >72 | >72 | >72 |
| 9  | ---    | ---    | --- | --- | --- | --- | >72 | >72 | >72 | >72 | >72 | >72 |
| 10 | ---    | ---    | --- | --- | --- | --- | --- | >72 | >72 | >72 | >72 | >72 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 4850 MHz; -12.00 dBm.  
LO IN: 4880 MHz; +10.00 dBm  
IF OUT: 30 MHz; -17.93 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +4  | 12  | 34  | 31  | --- | --- | --- | --- | --- | --- |
| 1  | -      | 27     | +0  | 50  | 13  | 39  | 32  | --- | --- | --- | --- | --- |
| 2  | 66     | 50     | 50  | 34  | 49  | 40  | 58  | 52  | --- | --- | --- | --- |
| 3  | >90    | 48     | 39  | 65  | 38  | 65  | 42  | 62  | 58  | --- | --- | --- |
| 4  | >90    | 72     | 63  | 56  | 71  | 50  | 72  | 61  | 75  | >82 | --- | --- |
| 5  | ---    | ---    | >82 | 72  | 59  | 80  | 58  | >82 | 76  | >82 | >82 | --- |
| 6  | ---    | ---    | --- | >82 | >82 | 73  | >82 | 68  | >82 | 70  | >82 | >82 |
| 7  | ---    | ---    | --- | --- | >82 | >82 | 75  | >82 | 71  | >82 | 76  | >82 |
| 8  | ---    | ---    | --- | --- | --- | >82 | >82 | 79  | >82 | 77  | >82 | >82 |
| 9  | ---    | ---    | --- | --- | --- | --- | >82 | >82 | >82 | >82 | >82 | >82 |
| 10 | ---    | ---    | --- | --- | --- | --- | --- | >82 | >82 | >82 | >82 | >82 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 4850 MHz; -2.00 dBm.  
LO IN: 4880 MHz; +10.00 dBm  
IF OUT: 30 MHz; -8.08 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.