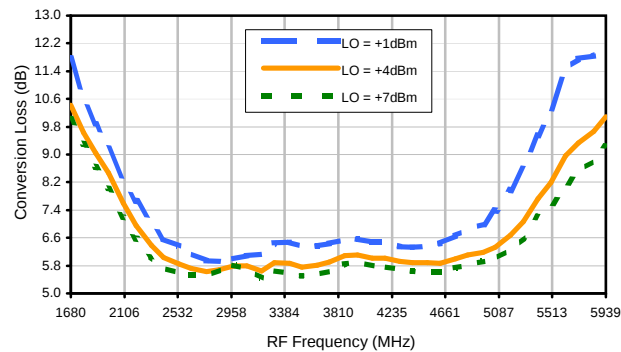
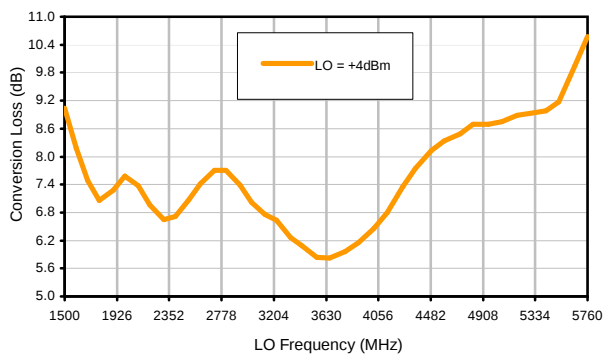


## Typical Performance Curves

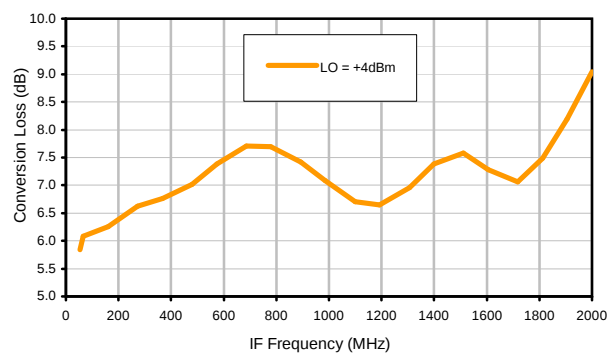
Conversion Loss @ IF=30MHz



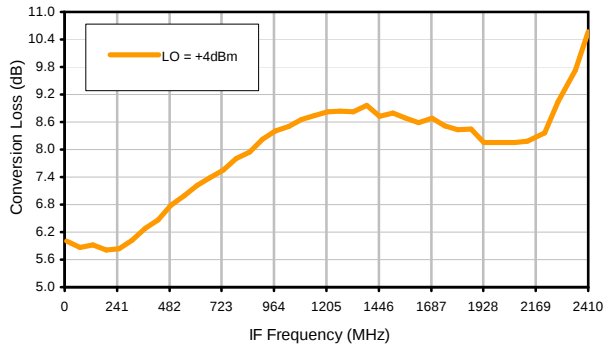
Conversion Loss vs. LO @ RF=3500MHz



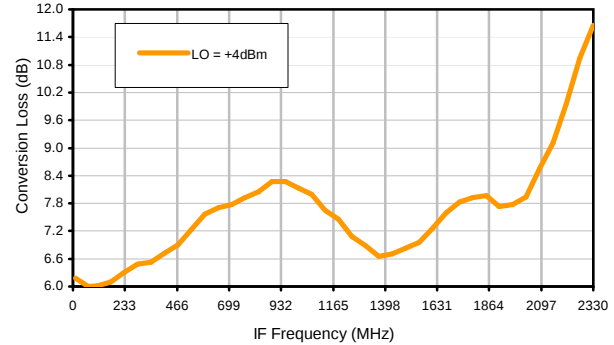
Conversion Loss vs. IF @ RF=3500MHz



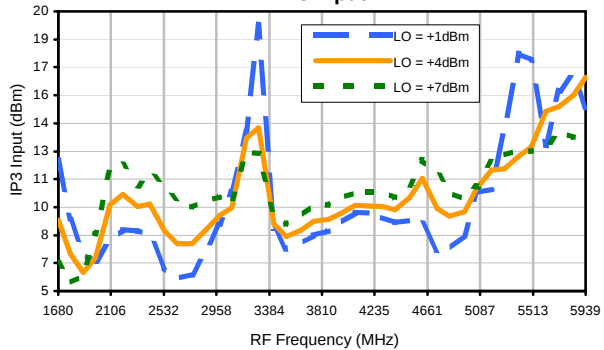
Conversion Loss vs. IF @ RF=2989.89MHz



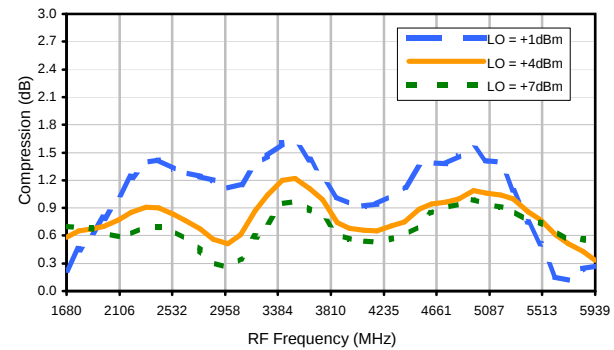
Conversion Loss vs. IF @ RF=4010.1MHz



IP3 Input

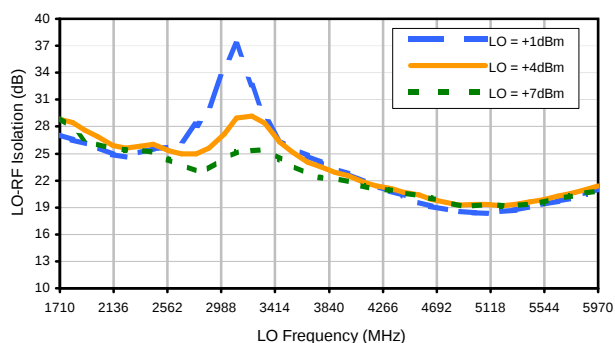


Compression @ RF IN=0dBm

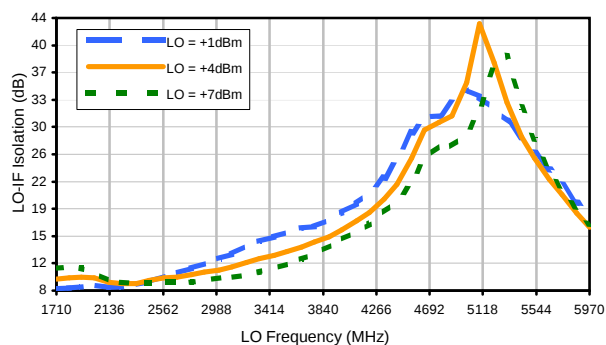


## Typical Performance Curves

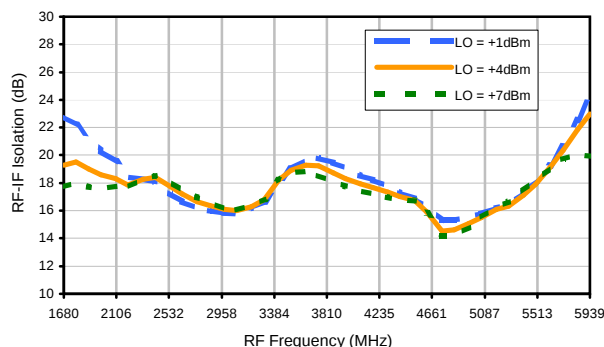
LO-RF Isolation



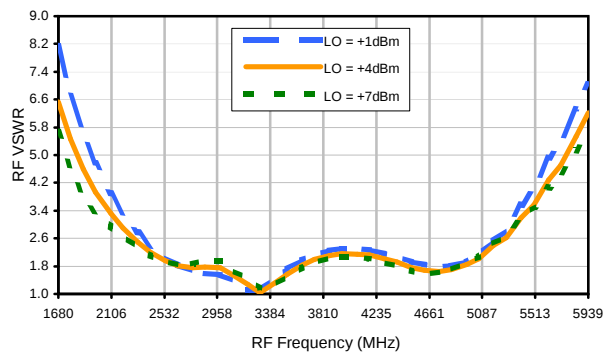
LO-IF Isolation



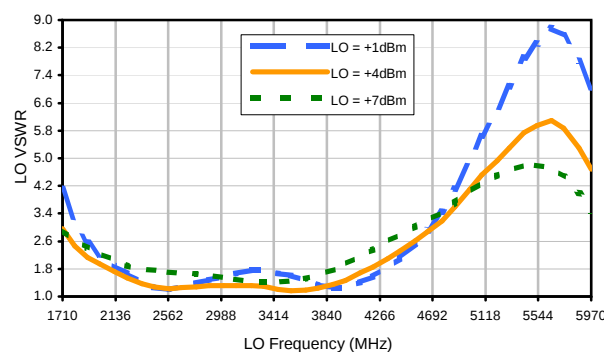
RF-IF Isolation



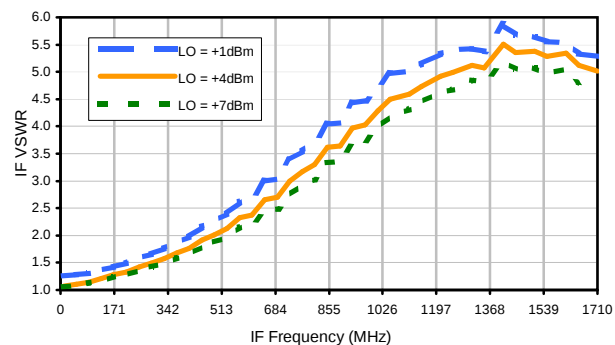
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +12 | 5   | 1   | 30  | 38  | 60  | --- | --- | --- | --- |
| 1  | -      | 13     | +0  | 26  | 15  | 38  | 39  | 45  | 50  | --- | --- | --- |
| 2  | >90    | 49     | 47  | 49  | 48  | 50  | 45  | 59  | >69 | >69 | --- | --- |
| 3  | >90    | 61     | 57  | 67  | 67  | 67  | 65  | >69 | >69 | >69 | >69 | --- |
| 4  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 5  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 6  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 7  | ---    | ---    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 8  | ---    | ---    | --- | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 9  | ---    | ---    | --- | --- | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 10 | ---    | ---    | --- | --- | --- | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 3500 MHz; -15.00 dBm.  
LO IN: 3530 MHz; +4.00 dBm  
IF OUT: 30 MHz; -21.04 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +2  | 16  | 12  | 44  | 49  | 74  | --- | --- | --- | --- |
| 1  | -      | 12     | +0  | 29  | 16  | 45  | 42  | 52  | 58  | --- | --- | --- |
| 2  | 80     | 37     | 37  | 39  | 39  | 47  | 38  | 55  | 73  | 70  | --- | --- |
| 3  | >90    | 41     | 37  | 47  | 42  | 47  | 45  | 52  | 58  | 62  | 65  | --- |
| 4  | >90    | 73     | 65  | 58  | 64  | 59  | 60  | 59  | 57  | 67  | 74  | 76  |
| 5  | >90    | >79    | >79 | 74  | 67  | 71  | 60  | 71  | 69  | 69  | 72  | 72  |
| 6  | >90    | >79    | >79 | >79 | >79 | >79 | >79 | 69  | 75  | >79 | 75  | >79 |
| 7  | ---    | ---    | >79 | >79 | >79 | >79 | >79 | >79 | 76  | >79 | >79 | >79 |
| 8  | ---    | ---    | --- | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 |
| 9  | ---    | ---    | --- | --- | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 |
| 10 | ---    | ---    | --- | --- | --- | >79 | >79 | >79 | >79 | >79 | >79 | >79 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 3500 MHz; -5.00 dBm.  
LO IN: 3530 MHz; +4.00 dBm  
IF OUT: 30 MHz; -11.07 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.