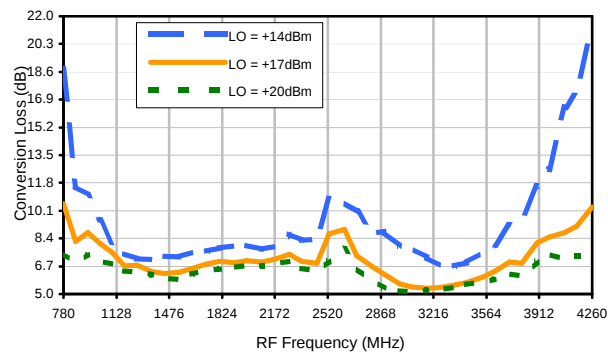
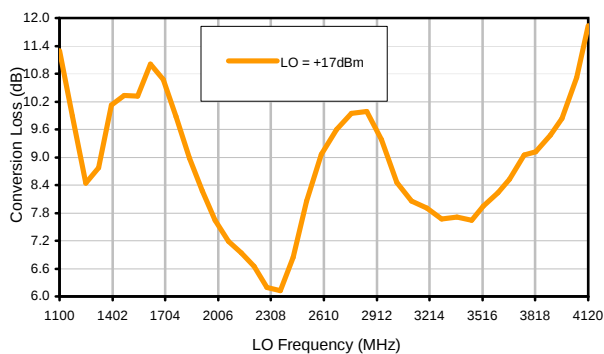


## Typical Performance Curves

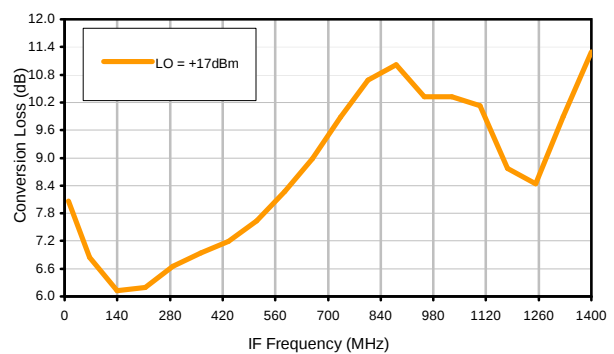
Conversion Loss @ IF=30MHz



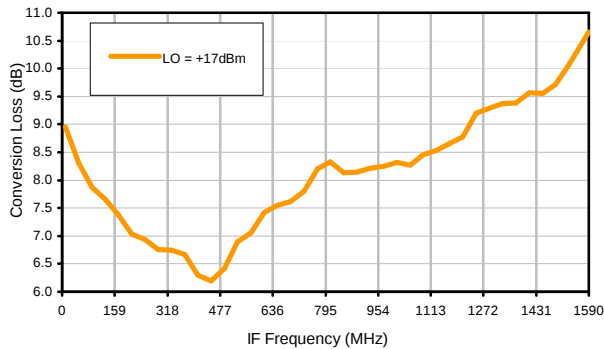
Conversion Loss vs. LO @ RF=2500MHz



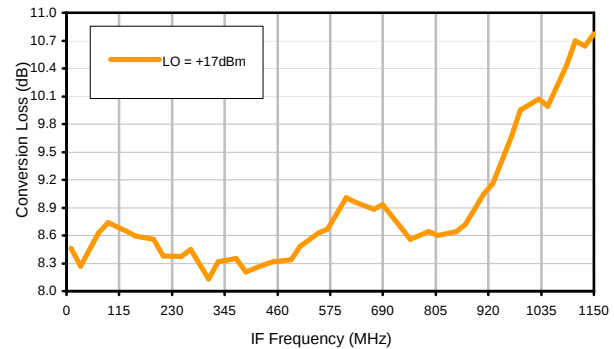
Conversion Loss vs. IF @ RF=2500MHz



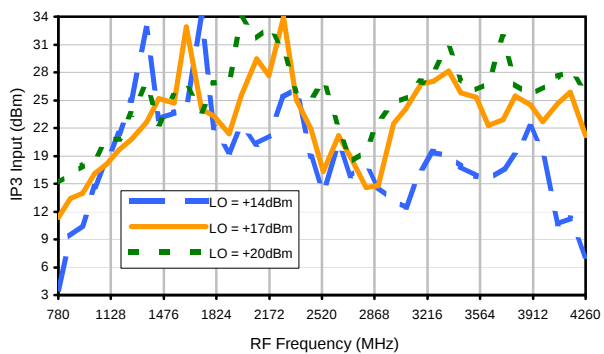
Conversion Loss vs. IF @ RF=989.9MHz



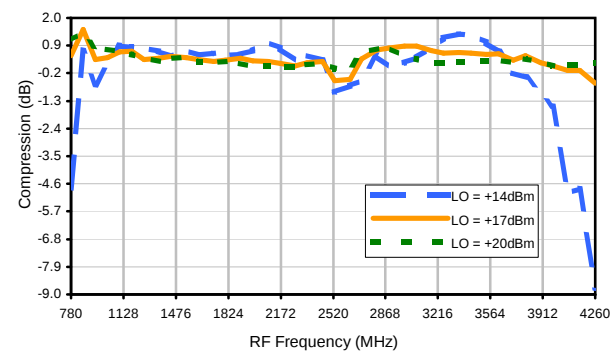
Conversion Loss vs. IF @ RF=4010.1001MHz



IP3 Input

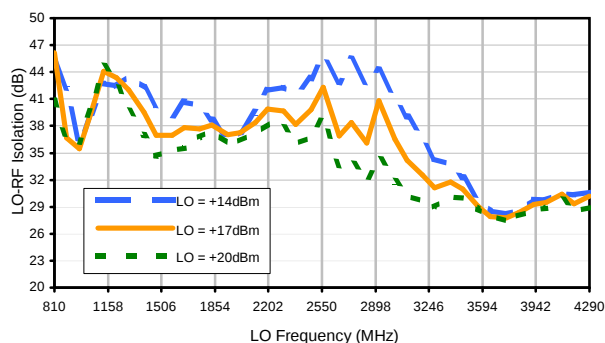


Compression @ RF IN=+14dBm

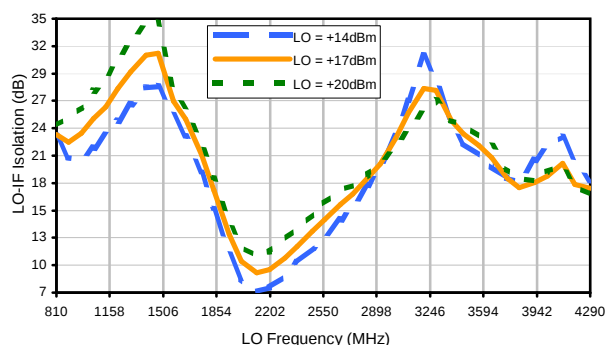


## Typical Performance Curves

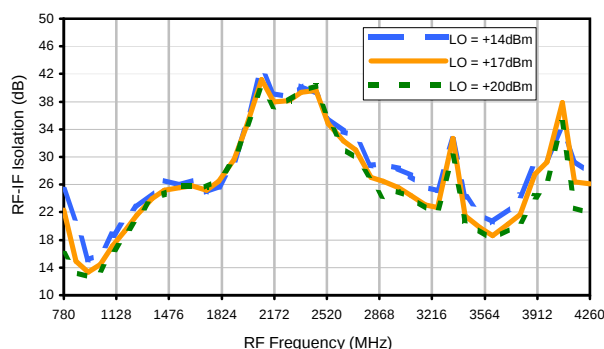
LO-RF Isolation



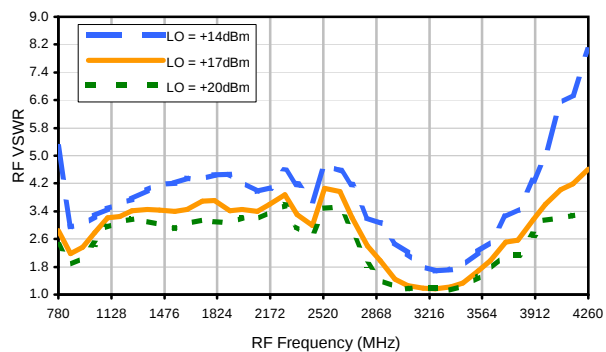
LO-IF Isolation



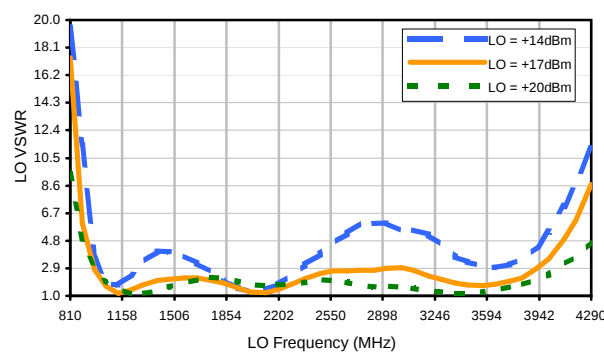
RF-IF Isolation



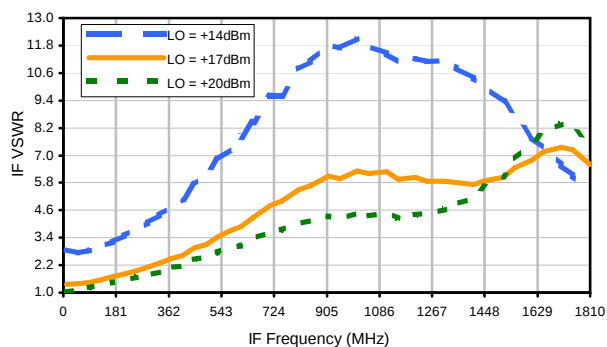
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +12 | 13  | 18  | 24  | 29  | 46  | 40  | 46  | 36  | --- |
| 1  | -      | 30     | +0  | 35  | 21  | 33  | 25  | 50  | 37  | 64  | 61  | 56  |
| 2  | 63     | 46     | 44  | 46  | 48  | 49  | 49  | 55  | 61  | 64  | 77  | >81 |
| 3  | >90    | 58     | 50  | 76  | 45  | 64  | 52  | 61  | 55  | 78  | 65  | >81 |
| 4  | >90    | >81    | >81 | 80  | >81 | 72  | >81 | 76  | 79  | >81 | >81 | >81 |
| 5  | >90    | >81    | >81 | >81 | >81 | >81 | 80  | >81 | >81 | >81 | >81 | >81 |
| 6  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 7  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 8  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 9  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 10 | ---    | ---    | >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: 2500 MHz; -1.00 dBm.  
LO IN: 2530 MHz; +17.00 dBm  
IF OUT: 30 MHz; -9.23 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |    |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|
| 0  | -      | -      | +2  | 24  | 33  | 39  | 44  | 56  | 52 | 60  | 51  | --- |
| 1  | -      | 30     | +0  | 37  | 24  | 41  | 33  | 56  | 44 | 66  | 60  | 61  |
| 2  | 43     | 39     | 35  | 44  | 39  | 48  | 44  | 58  | 61 | 66  | 72  | 67  |
| 3  | 71     | 43     | 34  | 65  | 30  | 54  | 38  | 53  | 45 | 71  | 59  | 89  |
| 4  | >90    | 69     | 59  | 59  | 63  | 56  | 59  | 60  | 53 | 63  | 68  | 74  |
| 5  | >90    | 81     | 58  | 59  | 51  | 86  | 47  | 59  | 55 | 60  | 55  | 80  |
| 6  | >90    | >91    | 89  | 84  | 68  | 69  | 77  | 64  | 66 | 70  | 64  | 72  |
| 7  | >90    | >91    | 89  | 88  | 78  | 70  | 65  | >91 | 59 | 67  | 69  | 70  |
| 8  | >90    | >91    | >91 | >91 | 91  | 89  | 74  | 80  | 88 | 72  | 72  | 80  |
| 9  | >90    | >91    | >91 | >91 | >91 | >91 | >91 | 80  | 80 | >91 | 71  | 73  |
| 10 | ---    | ---    | >91 | >91 | >91 | >91 | >91 | >91 | 80 | 89  | >91 | 80  |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7  | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 2500 MHz; 9.00 dBm.  
LO IN: 2530 MHz; +17.00 dBm  
IF OUT: 30 MHz; 1.01 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.