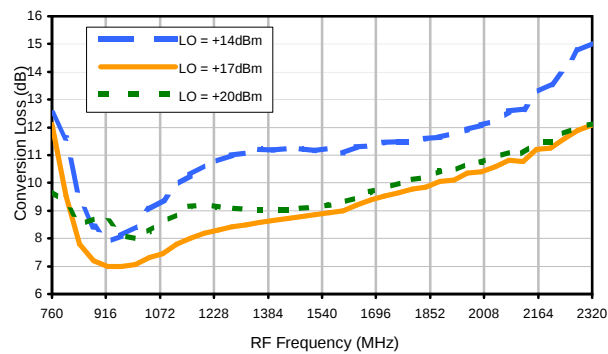
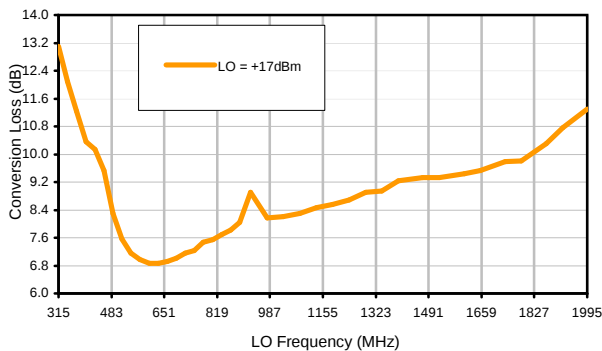


## Typical Performance Curves

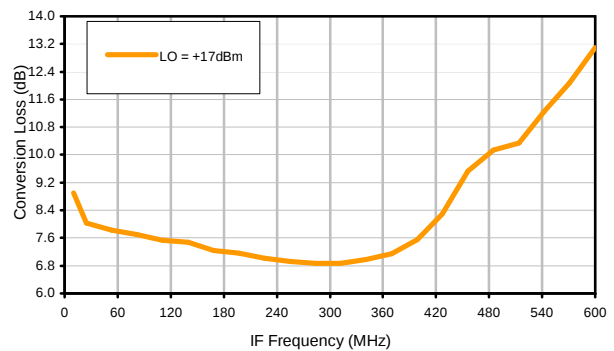
Conversion Loss @ IF=350MHz



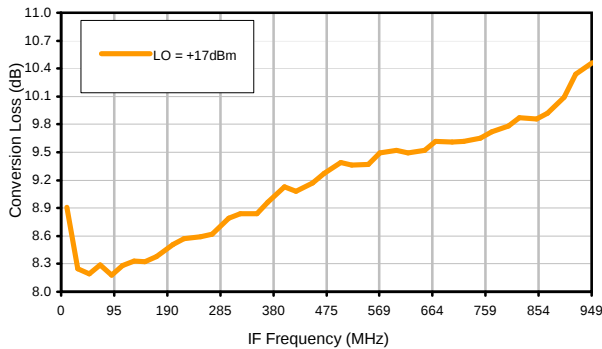
Conversion Loss vs. LO @ RF=915.1MHz



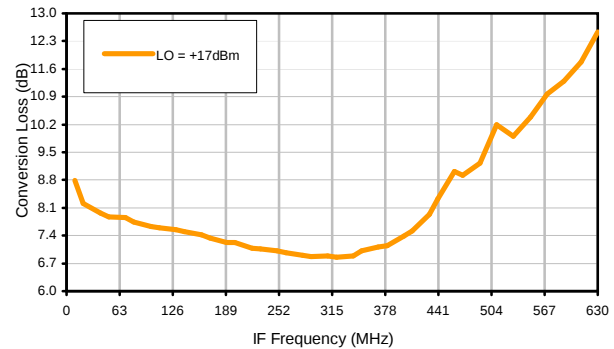
Conversion Loss vs. IF @ RF=915.1MHz



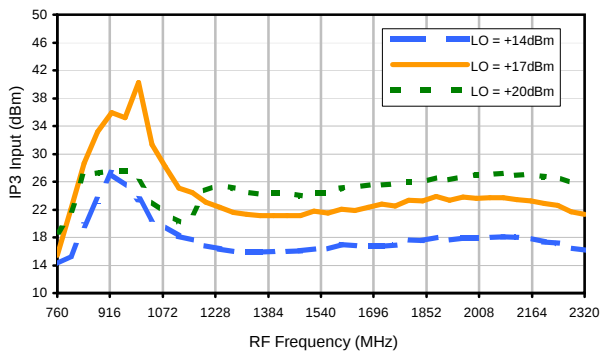
Conversion Loss vs. IF @ RF=902.1MHz



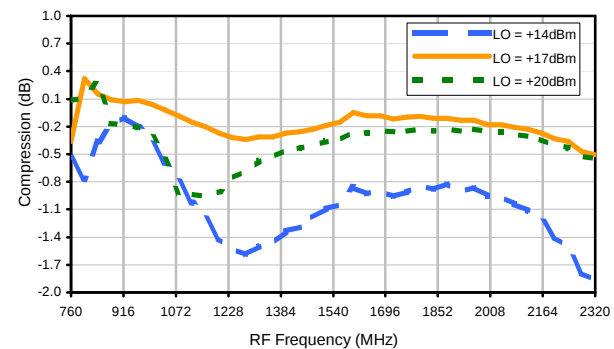
Conversion Loss vs. IF @ RF=928.1MHz



IP3 Input

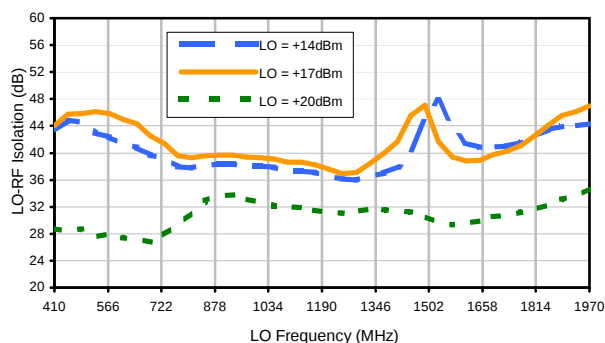


Compression @ RF IN=+15dBm

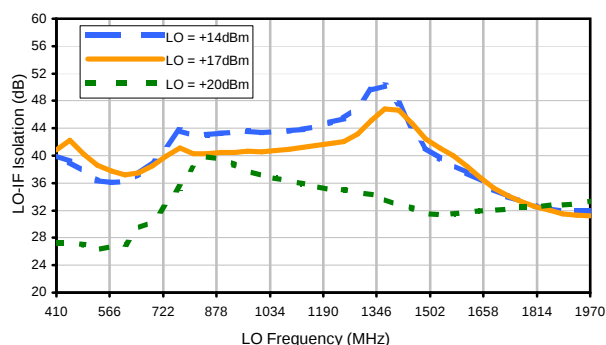


## Typical Performance Curves

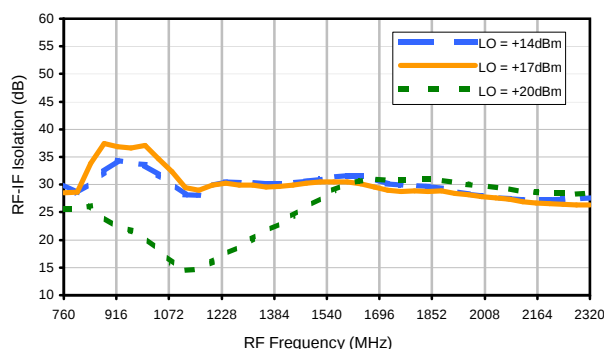
LO-RF Isolation



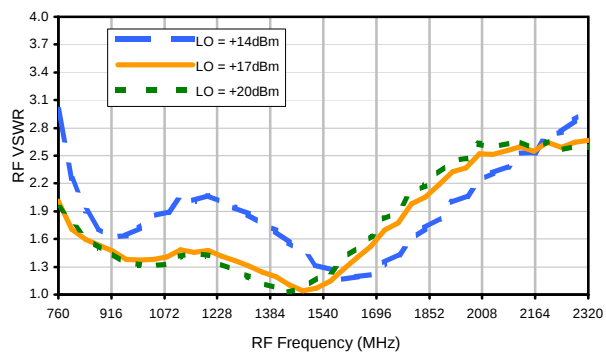
LO-IF Isolation



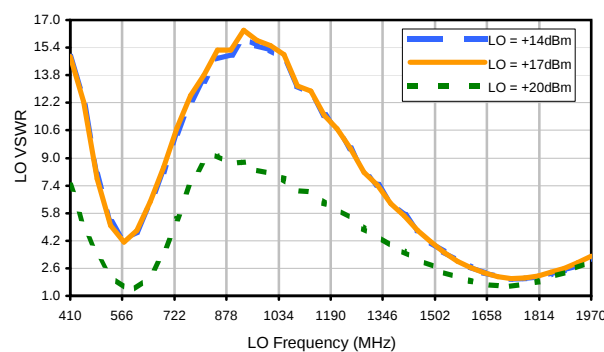
RF-IF Isolation



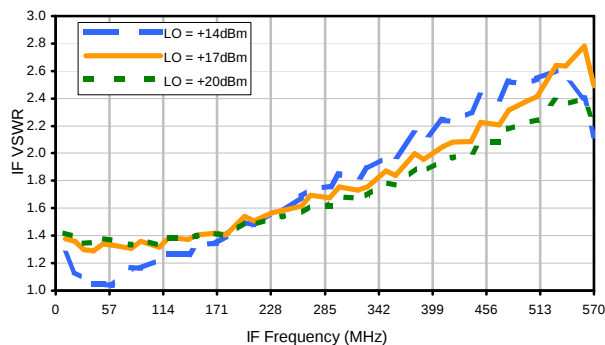
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 13  | 8   | 24  | 24  | 37  | 41  | 33  | 47  | 30  | 41  |
| 1  | -      | 27     | +0  | 33  | 14  | 35  | 24  | 31  | 39  | 35  | 50  | 34  |
| 2  | 67     | 60     | 67  | 60  | >82 | 65  | 67  | 72  | 66  | >82 | 73  | 75  |
| 3  | >90    | 75     | 79  | 67  | 71  | 67  | 67  | >82 | 72  | 69  | 76  | >82 |
| 4  | >90    | >82    | >82 | 81  | >82 | 77  | 82  | 74  | 80  | 76  | >82 | 79  |
| 5  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 6  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 7  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 8  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 9  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 10 | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >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: 915.1 MHz; 0.00 dBm.  
LO IN: 565.1 MHz; +17.00 dBm  
IF OUT: 350 MHz; -7.8 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 23  | 18  | 35  | 35  | 45  | 58  | 43  | 44  | 42  | 49  |
| 1  | -      | 26     | +0  | 31  | 14  | 31  | 23  | 29  | 41  | 34  | 52  | 34  |
| 2  | 47     | 55     | 61  | 55  | 56  | 47  | 52  | 52  | 52  | 57  | 71  | 61  |
| 3  | 76     | 59     | 48  | 58  | 47  | 70  | 47  | 59  | 51  | 55  | 56  | 57  |
| 4  | >90    | 78     | 76  | 74  | 86  | 77  | 75  | 76  | 70  | 78  | 74  | 77  |
| 5  | >90    | 84     | 73  | 82  | 82  | 78  | 75  | 80  | 72  | 82  | 71  | 81  |
| 6  | >90    | 82     | 83  | 87  | >92 | >92 | >92 | >92 | 86  | 89  | 82  | 85  |
| 7  | >90    | >92    | 85  | >92 | 88  | 90  | >92 | 90  | 87  | 84  | 82  | 82  |
| 8  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | 88  | 88  |
| 9  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | 91  | >92 | 92  | >92 | 90  |
| 10 | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 915.1 MHz; 10.00 dBm.  
LO IN: 565.1 MHz; +17.00 dBm  
IF OUT: 350 MHz; 2.31 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.