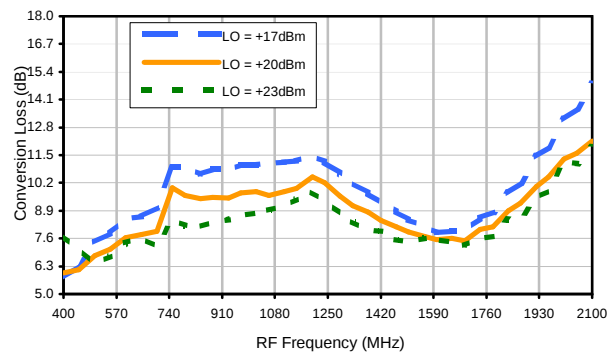
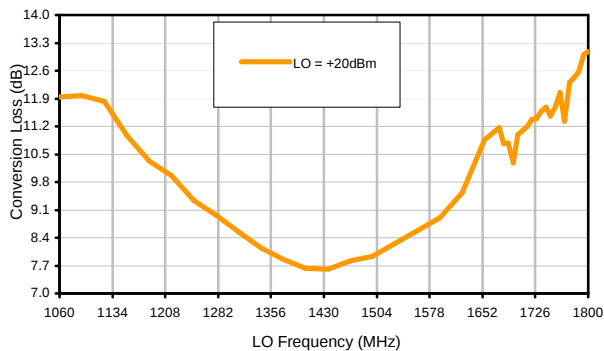


## Typical Performance Curves

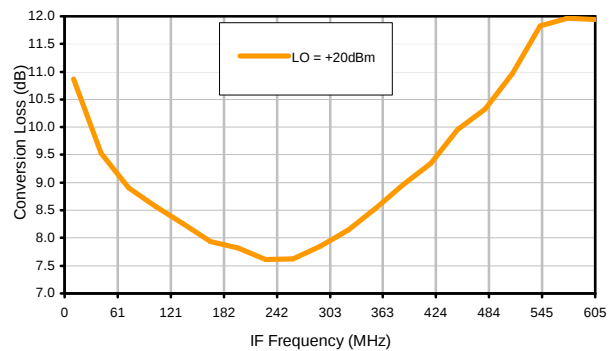
Conversion Loss @ IF=200MHz



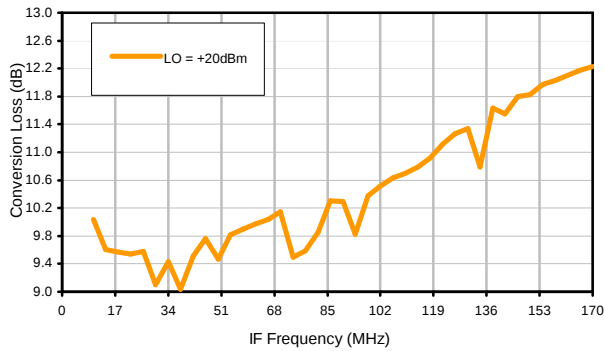
Conversion Loss vs. LO @ RF=1665.1MHz



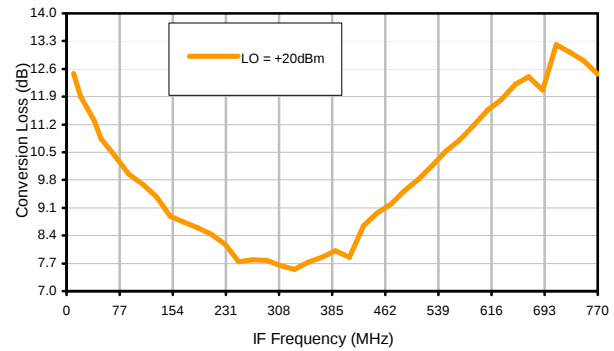
Conversion Loss vs. IF @ RF=1665.1MHz



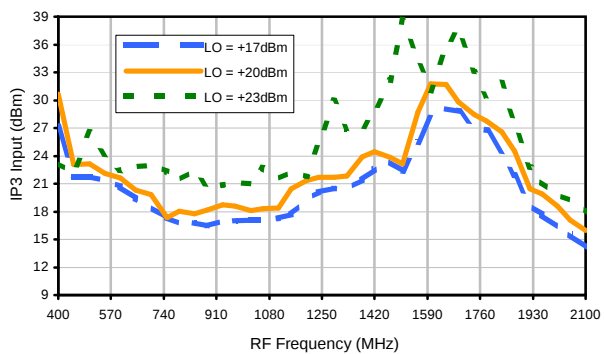
Conversion Loss vs. IF @ RF=1580.1MHz



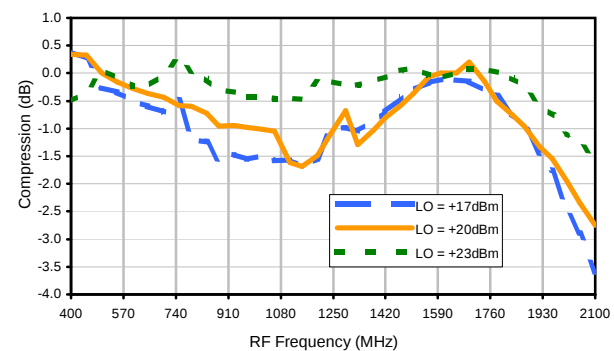
Conversion Loss vs. IF @ RF=1750.1MHz



IP3 Input

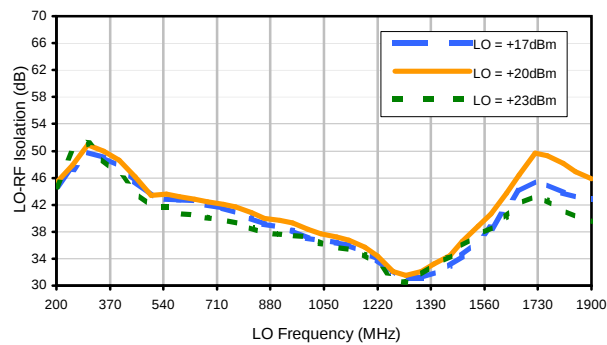


Compression @ RF IN=+16dBm

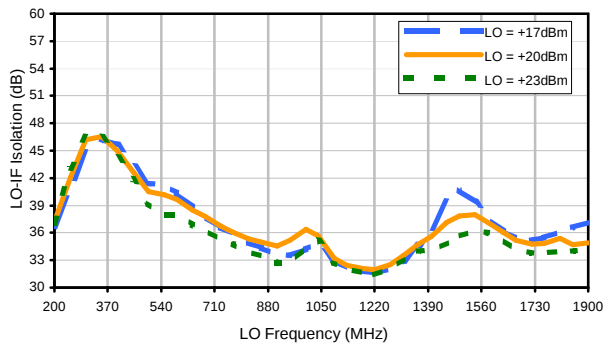


## Typical Performance Curves

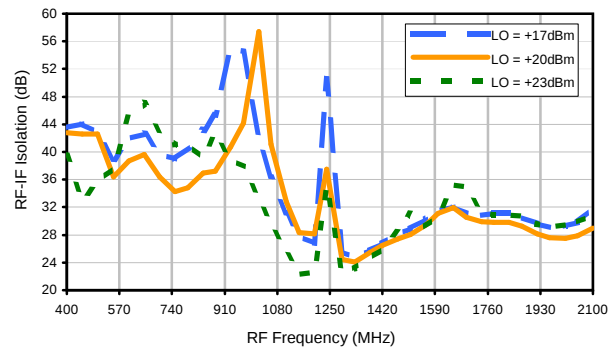
LO-RF Isolation



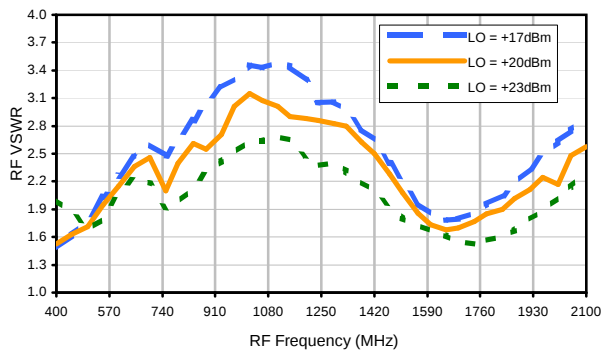
LO-IF Isolation



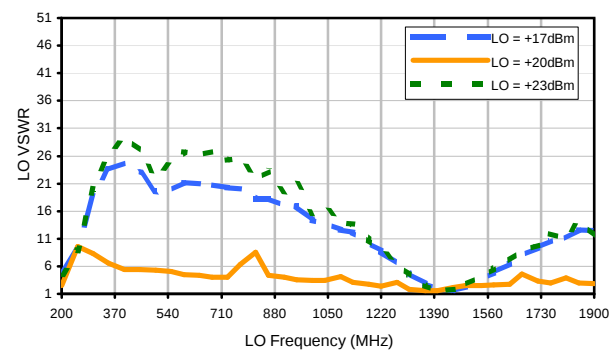
RF-IF Isolation



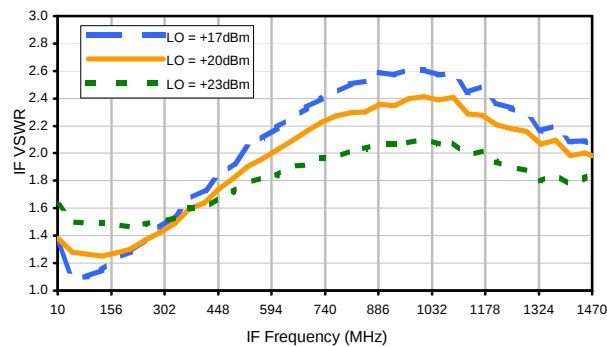
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 12  | 16  | 19  | 16  | 21  | 21  | 33  | 24  | 42  | 32  |
| 1  | -      | 27     | +0  | 31  | 17  | 40  | 24  | 39  | 38  | 50  | 36  | 49  |
| 2  | 61     | 64     | 56  | 68  | 65  | 63  | 77  | 62  | 64  | 60  | 68  | 60  |
| 3  | >90    | 79     | >83 | 77  | 73  | 80  | 76  | >83 | 74  | 81  | 82  | >83 |
| 4  | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
| 5  | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
| 6  | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
| 7  | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
| 8  | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
| 9  | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
| 10 | >90    | >83    | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 | >83 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 1665 MHz; 1.00 dBm.  
LO IN: 1465 MHz; +20.00 dBm  
IF OUT: 200 MHz; -6.65 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 22  | 27  | 29  | 27  | 31  | 31  | 45  | 33  | 52  | 43  |
| 1  | -      | 27     | +0  | 31  | 17  | 40  | 24  | 39  | 39  | 50  | 37  | 49  |
| 2  | 41     | 56     | 49  | 51  | 64  | 52  | 60  | 54  | 54  | 51  | 61  | 51  |
| 3  | 76     | 72     | 54  | 67  | 47  | 62  | 50  | 66  | 50  | 61  | 60  | 67  |
| 4  | >90    | 72     | 74  | 74  | 73  | 75  | 75  | 80  | >93 | 87  | 78  | 74  |
| 5  | >90    | 83     | 66  | 78  | 71  | 75  | 70  | 72  | 73  | 79  | 74  | 83  |
| 6  | >90    | 89     | 86  | 80  | 77  | 85  | 79  | 78  | 78  | 82  | 85  | >93 |
| 7  | >90    | 78     | 83  | 86  | 83  | 87  | 79  | >93 | 77  | 85  | 82  | 88  |
| 8  | >90    | >93    | >93 | 88  | >93 | >93 | >93 | >93 | >93 | 88  | 92  | 88  |
| 9  | >90    | >93    | >93 | 89  | 93  | >93 | >93 | 91  | >93 | >93 | 93  | >93 |
| 10 | >90    | >93    | >93 | >93 | 93  | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 1665 MHz; 11.00 dBm.  
LO IN: 1465 MHz; +20.00 dBm  
IF OUT: 200 MHz; 3.3 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.