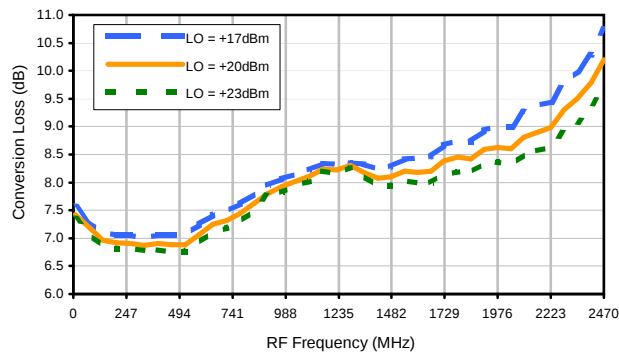
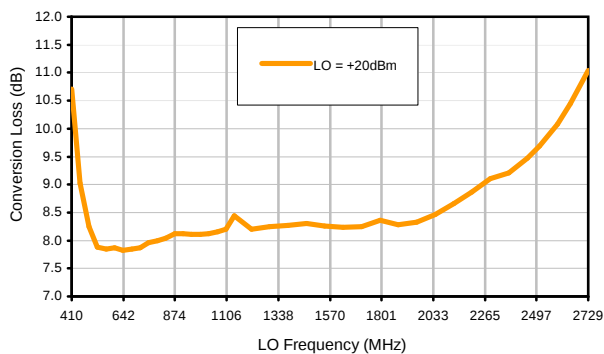


## Typical Performance Curves

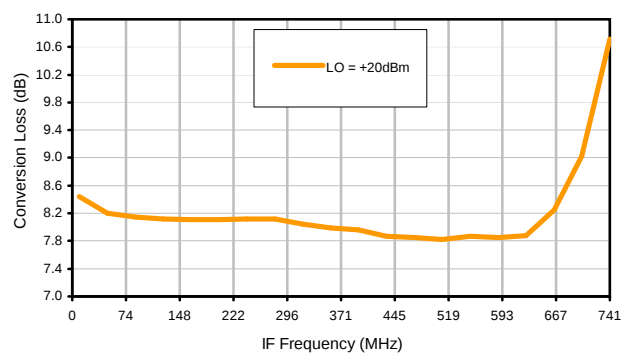
Conversion Loss @ IF=500MHz



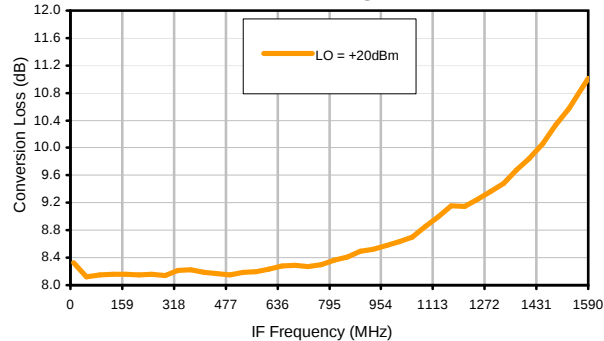
Conversion Loss vs. LO @ RF=1151MHz



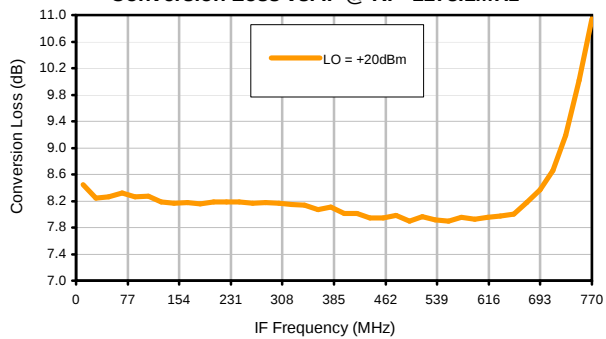
Conversion Loss vs. IF @ RF=1151MHz



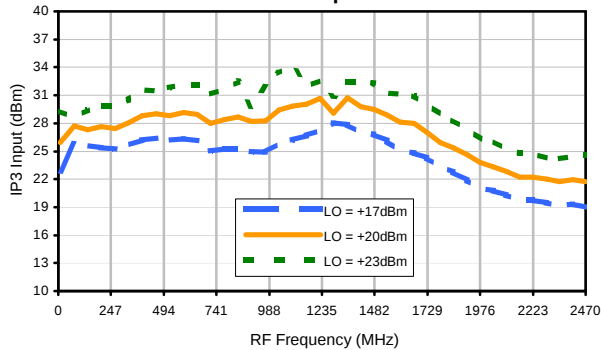
Conversion Loss vs. IF @ RF=1123.9MHz



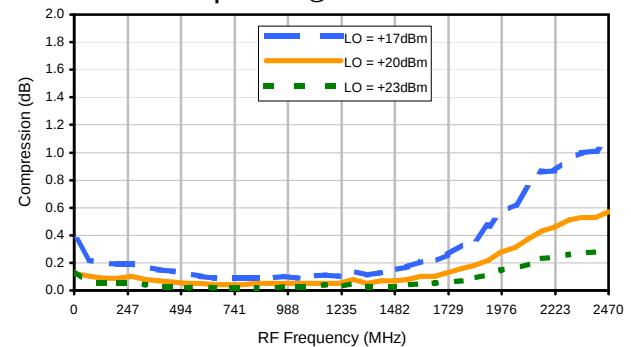
Conversion Loss vs. IF @ RF=1178.1MHz



IP3 Input



Compression @ RF IN=+10dBm



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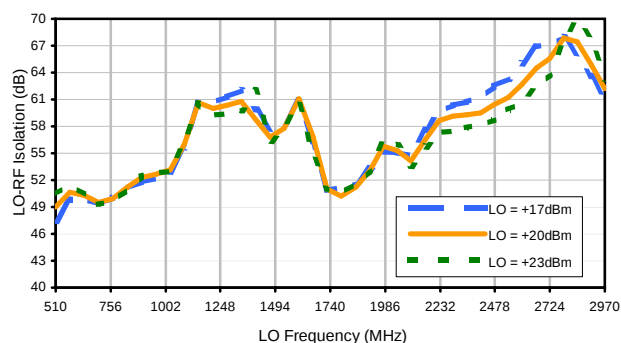


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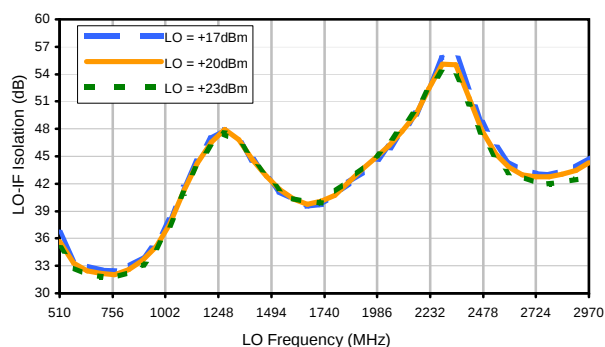


## Typical Performance Curves

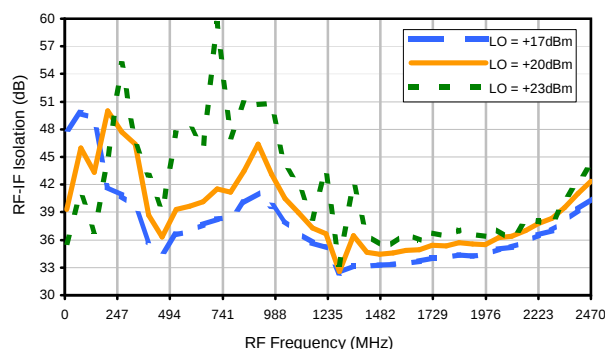
LO-RF Isolation



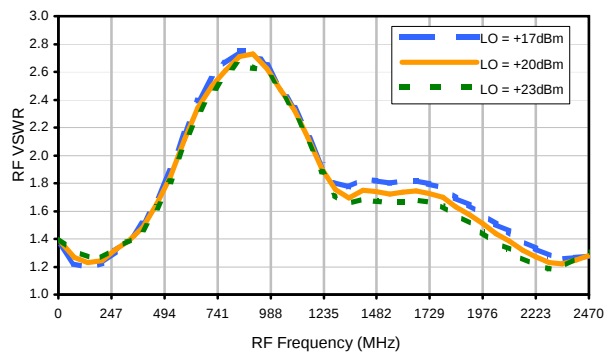
LO-IF Isolation



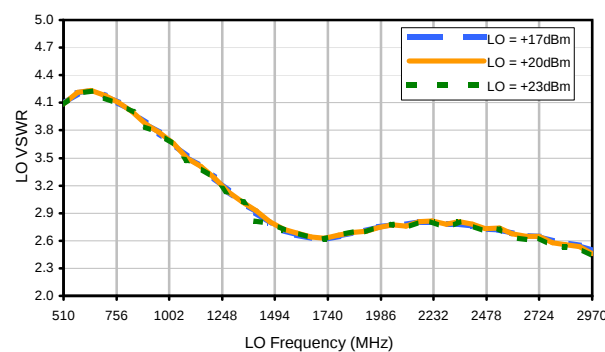
RF-IF Isolation



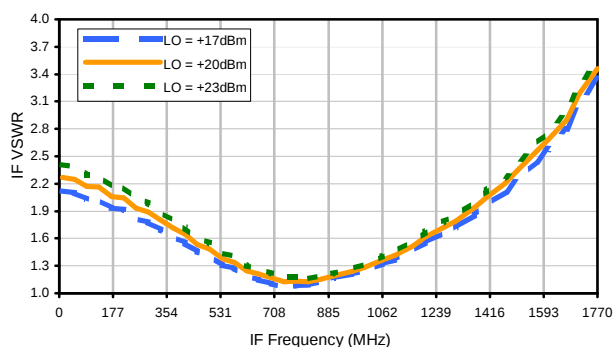
RF VSWR



LO VSWR



IF VSWR



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## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 12  | 8   | 23  | 20  | 30  | 45  | 28  | 52  | 39  | 45  |
| 1  | -      | 32     | +0  | 39  | 23  | 43  | 41  | 60  | 43  | 54  | 52  | 54  |
| 2  | 83     | 67     | 65  | 75  | 73  | 65  | >82 | 63  | >82 | >82 | 61  | 71  |
| 3  | >90    | >82    | 77  | 80  | 71  | >82 | 79  | >82 | >82 | >82 | 81  | >82 |
| 4  | >90    | >82    | >82 | >82 | >82 | >82 | 79  | >82 | >82 | >82 | >82 | >82 |
| 5  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 6  | >90    | >82    | >82 | 80  | 82  | >82 | >82 | >82 | >82 | >82 | 79  | >82 |
| 7  | 88     | >82    | >82 | >82 | 76  | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 8  | >90    | >82    | 81  | 80  | >82 | >82 | >82 | >82 | >82 | 80  | >82 | 80  |
| 9  | 87     | >82    | >82 | 81  | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 10 | >90    | 80     | >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: 1151 MHz; 0.00 dBm.  
LO IN: 1651 MHz; +20.00 dBm  
IF OUT: 500 MHz; -8.18 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 23  | 18  | 33  | 30  | 40  | 50  | 40  | 59  | 52  | 57  |
| 1  | -      | 32     | +0  | 39  | 23  | 43  | 42  | 61  | 44  | 54  | 53  | 55  |
| 2  | 62     | 57     | 53  | 65  | 61  | 55  | 69  | 55  | 68  | 76  | 54  | 66  |
| 3  | >90    | 76     | 51  | 74  | 49  | 81  | 69  | 75  | 73  | 69  | 63  | 73  |
| 4  | >90    | 78     | 91  | 89  | 78  | 85  | 85  | 87  | 90  | 83  | >92 | 75  |
| 5  | >90    | 86     | 85  | >92 | 79  | 90  | 84  | 88  | 89  | 88  | 87  | 86  |
| 6  | >90    | 92     | >92 | 91  | >92 | >92 | >92 | >92 | >92 | >92 | 91  | 91  |
| 7  | 88     | >92    | >92 | >92 | >92 | >92 | 87  | 90  | >92 | >92 | 91  | >92 |
| 8  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | 89  | 89  | >92 | 91  |
| 9  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | 91  | >92 |
| 10 | 90     | >92    | >92 | 91  | >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: 1151 MHz; 10.00 dBm.  
LO IN: 1651 MHz; +20.00 dBm  
IF OUT: 500 MHz; 1.77 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.

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