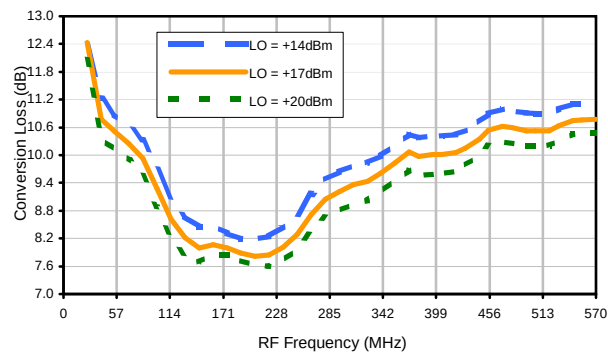
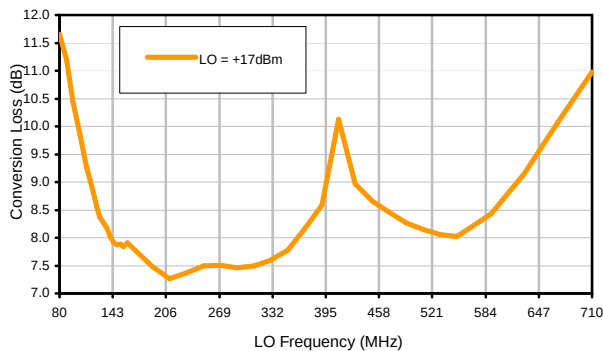


## Typical Performance Curves

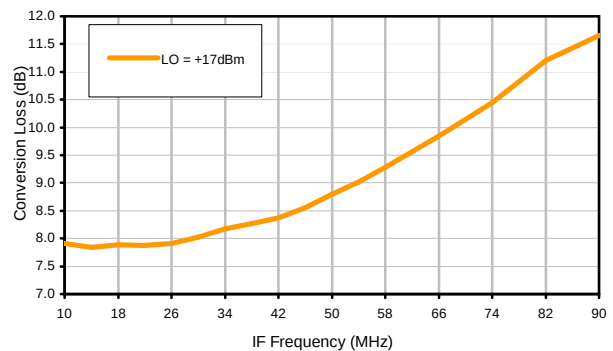
Conversion Loss @ IF=380MHz



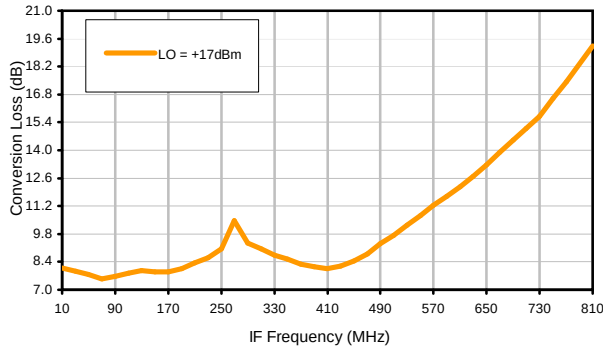
Conversion Loss vs. LO @ RF=170MHz



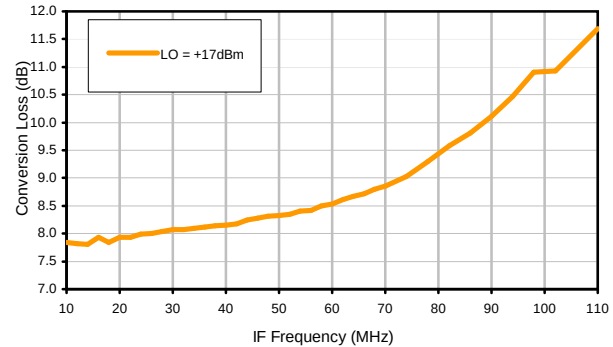
Conversion Loss vs. IF @ RF=170MHz



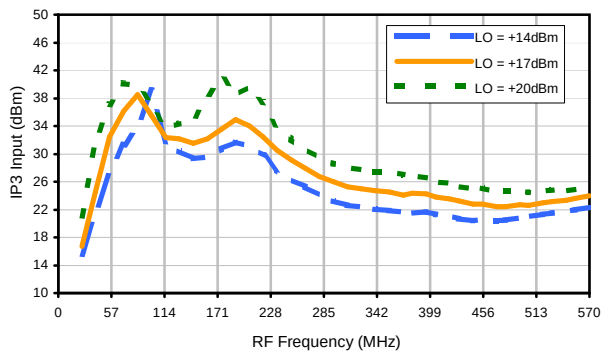
Conversion Loss vs. IF @ RF=140MHz



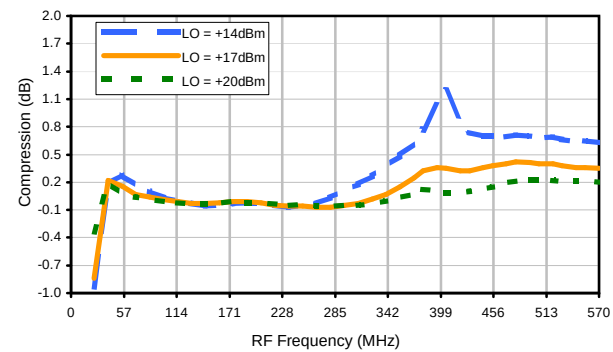
Conversion Loss vs. IF @ RF=200MHz



IP3 Input

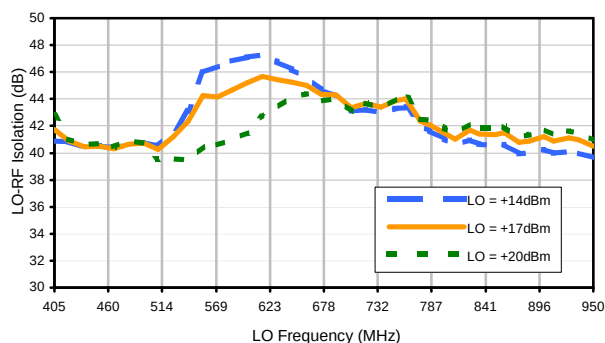


Compression @ RF IN=+15dBm

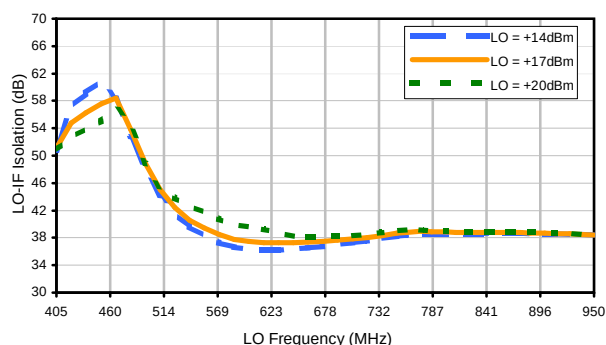


## Typical Performance Curves

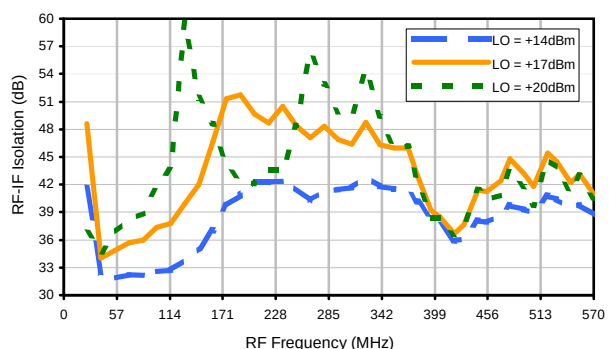
LO-RF Isolation



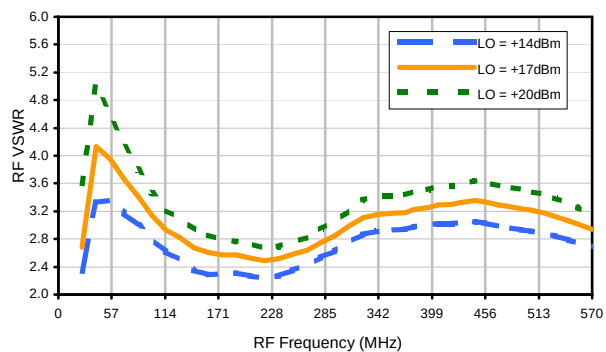
LO-IF Isolation



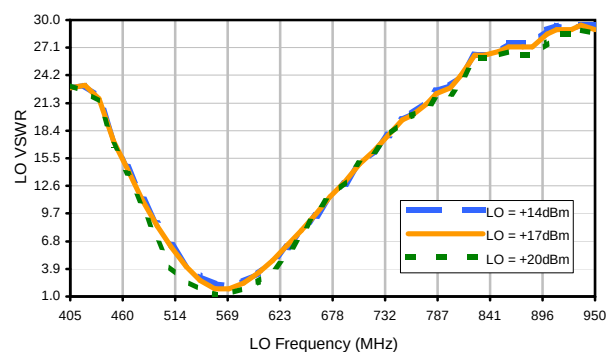
RF-IF Isolation



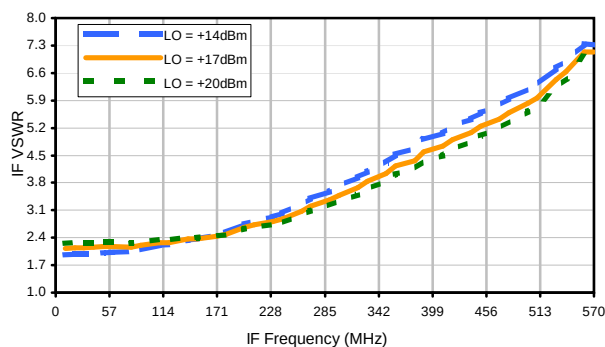
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 15  | 32  | 29  | 22  | 22  | 47  | 29  | 46  | 44  | 28  |
| 1  | -      | 39     | +0  | 54  | 23  | 51  | 23  | 48  | 29  | 53  | 39  | 58  |
| 2  | 66     | 57     | 67  | 67  | >82 | 66  | 72  | 66  | 75  | 63  | 79  | 71  |
| 3  | >90    | >82    | 73  | >82 | >82 | >82 | 76  | >82 | 78  | >82 | 77  | >82 |
| 4  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 5  | >90    | >82    | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 | >82 |
| 6  | >90    | >82    | 80  | >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: 170 MHz; 0.00 dBm.  
LO IN: 550 MHz; +17.00 dBm  
IF OUT: 380 MHz; -8.2 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 25  | 43  | 39  | 32  | 32  | 70  | 39  | 50  | 54  | 39  |
| 1  | -      | 40     | +0  | 54  | 23  | 51  | 23  | 48  | 30  | 53  | 37  | 59  |
| 2  | 46     | 47     | 60  | 57  | 80  | 56  | 65  | 56  | 69  | 53  | 74  | 61  |
| 3  | 65     | 78     | 53  | 79  | 76  | 76  | 57  | 79  | 60  | 79  | 59  | >92 |
| 4  | >90    | >92    | 79  | >92 | >92 | >92 | 87  | 88  | 87  | >92 | 87  | >92 |
| 5  | >90    | >92    | 78  | >92 | 88  | >92 | 85  | >92 | 82  | >92 | 86  | >92 |
| 6  | >90    | >92    | 86  | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 7  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 8  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 9  | >90    | >92    | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 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: 170 MHz; 10.00 dBm.  
LO IN: 550 MHz; +17.00 dBm  
IF OUT: 380 MHz; 1.85 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.

REV. X2

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