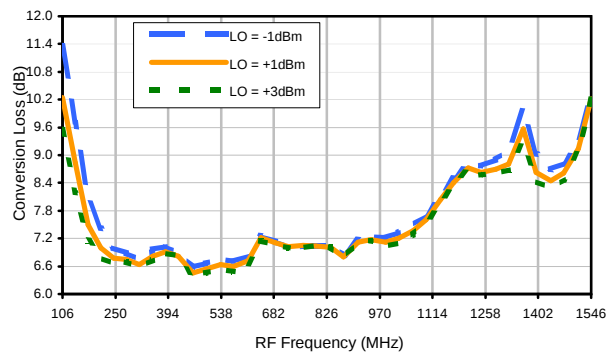
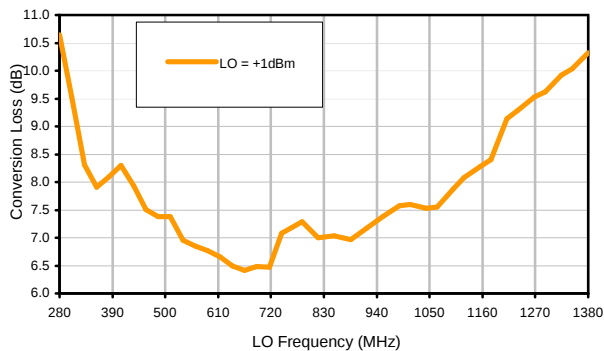


## Typical Performance Curves

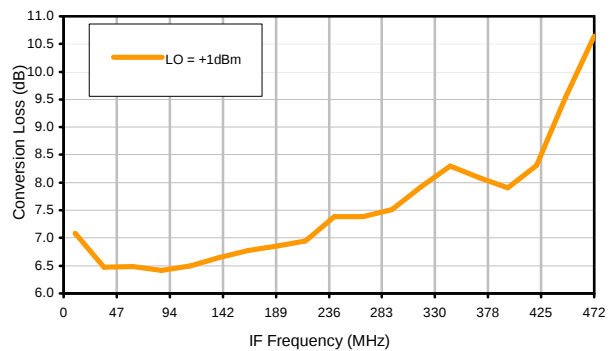
Conversion Loss @ IF=138MHz



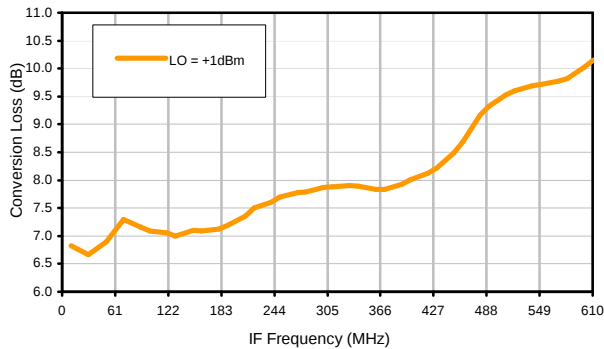
Conversion Loss vs. LO @ RF=752MHz



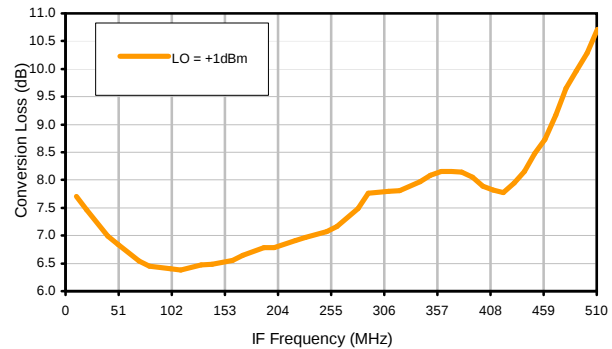
Conversion Loss vs. IF @ RF=752MHz



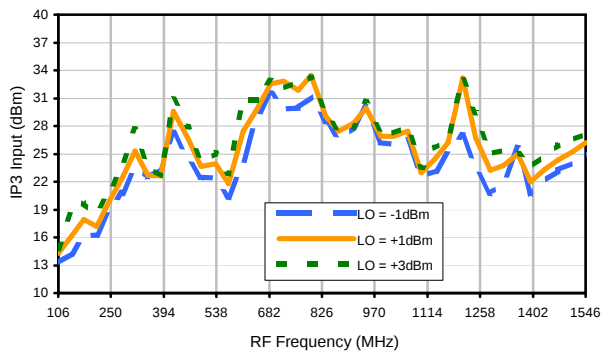
Conversion Loss vs. IF @ RF=705.5MHz



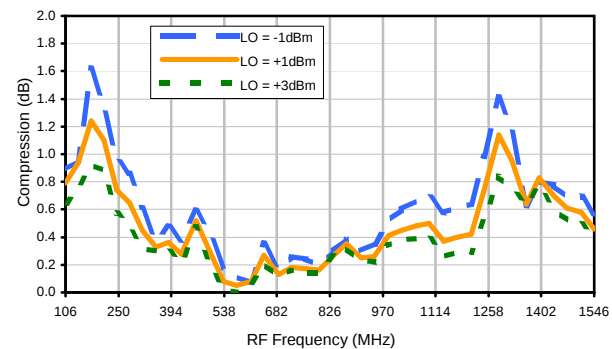
Conversion Loss vs. IF @ RF=798.5MHz



IP3 Input

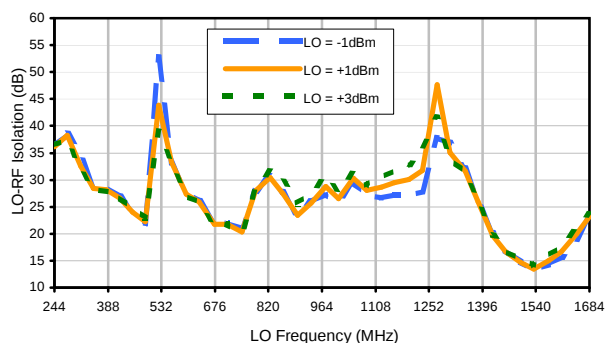


Compression @ RF IN=+15dBm

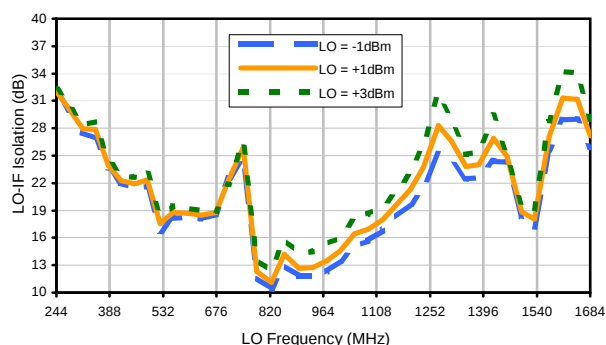


## Typical Performance Curves

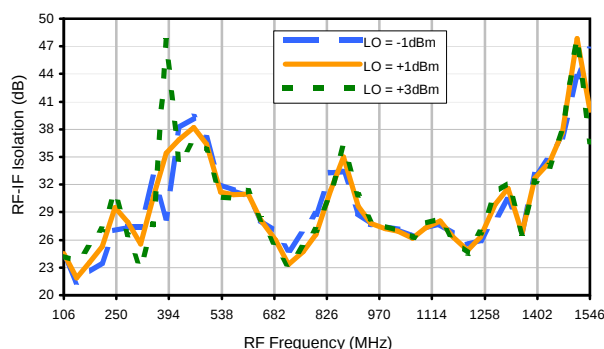
LO-RF Isolation



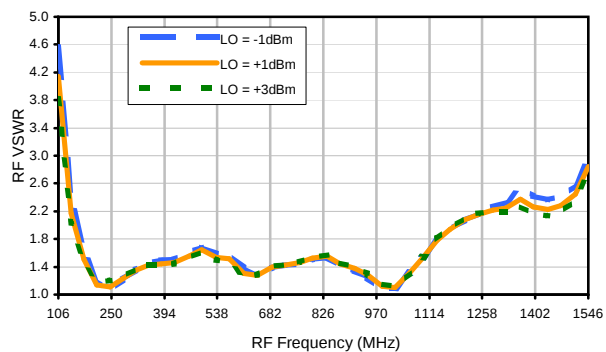
LO-IF Isolation



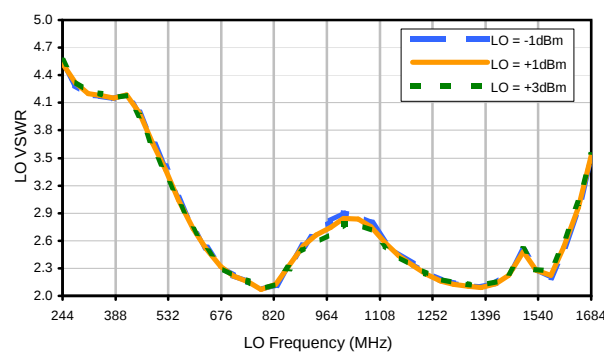
RF-IF Isolation



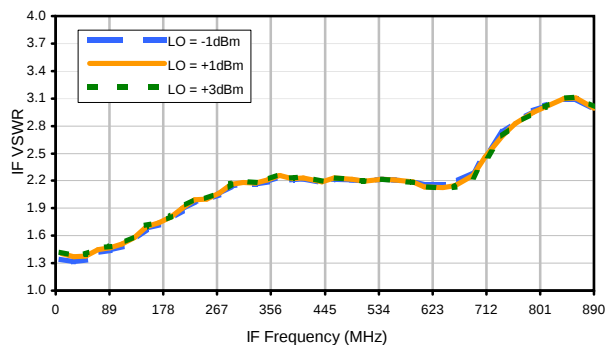
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -     | +1  | 5   | 14  | 18  | 26  | 33  | 30  | 39  | 34  | 51  |
| 1  | -      | 17    | +0  | 21  | 17  | 28  | 43  | 40  | 48  | 48  | 53  | 62  |
| 2  | 72     | 58    | 59  | 58  | 66  | 66  | 65  | 72  | 74  | 76  | >78 | >78 |
| 3  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 4  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 5  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 6  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 7  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 8  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 9  | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
| 10 | >90    | >78   | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 | >78 |
|    | RF CAL | 0     | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions:

RF IN: 752 MHz; -5.00 dBm.  
LO IN: 890 MHz; +1.00 dBm  
IF OUT: 138 MHz; -12.12 dBm

RF HARMONICS ORDER

|    | (-dBm) | (dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -     | 9   | 15  | 23  | 29  | 36  | 44  | 40  | 50  | 44  | 61  |
| 1  | -      | 16    | +0  | 21  | 17  | 28  | 44  | 40  | 48  | 49  | 53  | 63  |
| 2  | 52     | 48    | 50  | 48  | 56  | 56  | 55  | 62  | 65  | 66  | 72  | 76  |
| 3  | 80     | 78    | 66  | 69  | 61  | 67  | 68  | 78  | 76  | 82  | 73  | 82  |
| 4  | >90    | >88   | >88 | >88 | >88 | 87  | >88 | >88 | >88 | >88 | >88 | >88 |
| 5  | >90    | >88   | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 6  | >90    | >88   | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 7  | >90    | >88   | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 8  | >90    | >88   | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 9  | >90    | >88   | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
| 10 | >90    | >88   | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 | >88 |
|    | RF CAL | 0     | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions:

RF IN: 752 MHz; 5.00 dBm.  
LO IN: 890 MHz; +1.00 dBm  
IF OUT: 138 MHz; -2.11 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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