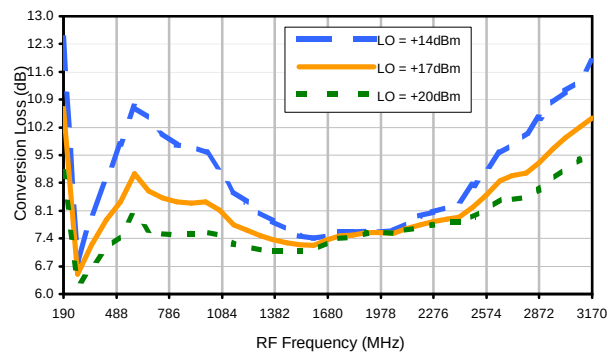
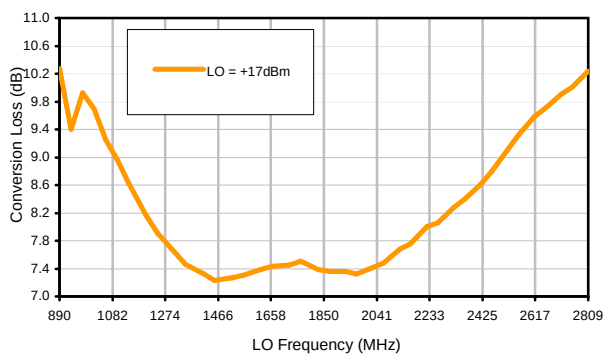


## Typical Performance Curves

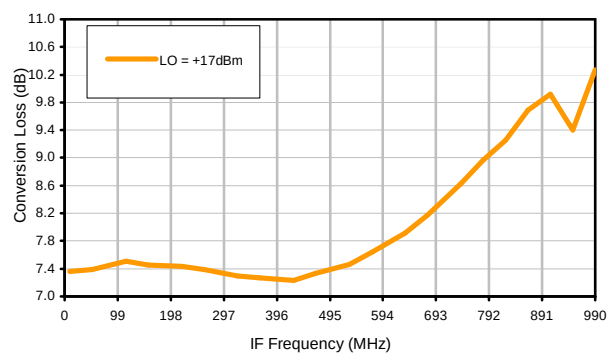
Conversion Loss @ IF=80MHz



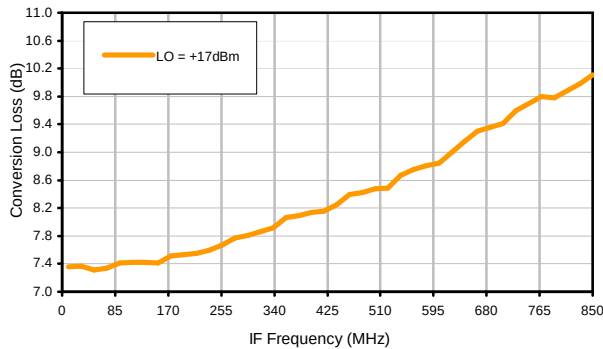
Conversion Loss vs. LO @ RF=1880MHz



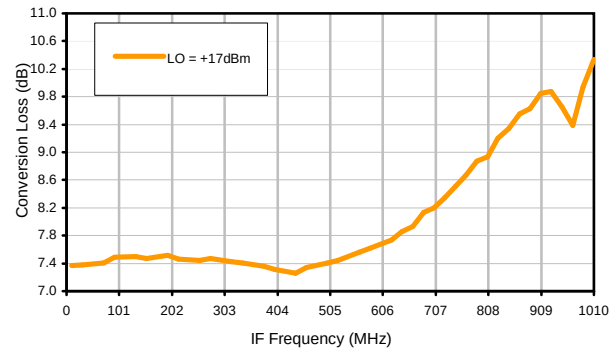
Conversion Loss vs. IF @ RF=1880MHz



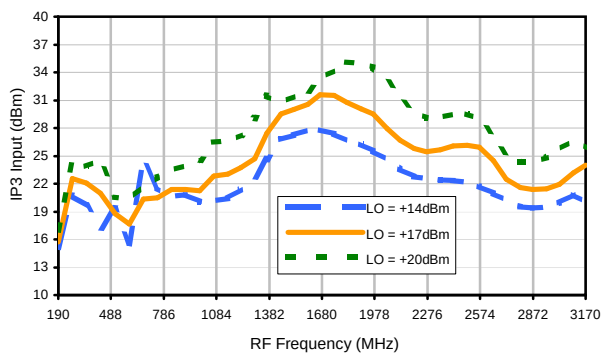
Conversion Loss vs. IF @ RF=1839.9MHz



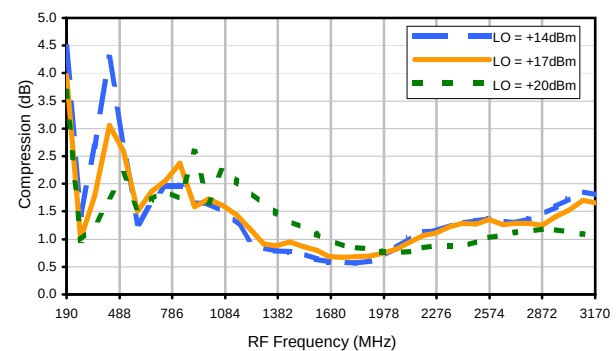
Conversion Loss vs. IF @ RF=1920.1MHz



IP3 Input



Compression @ RF IN=+17dBm



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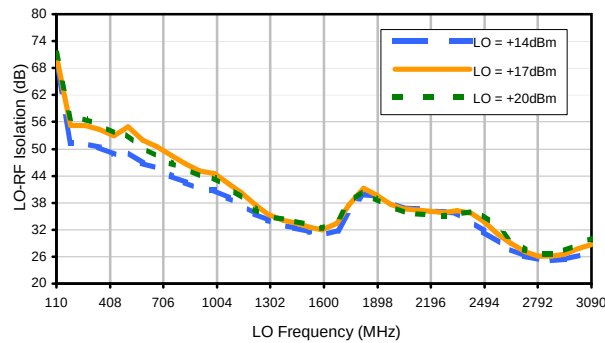


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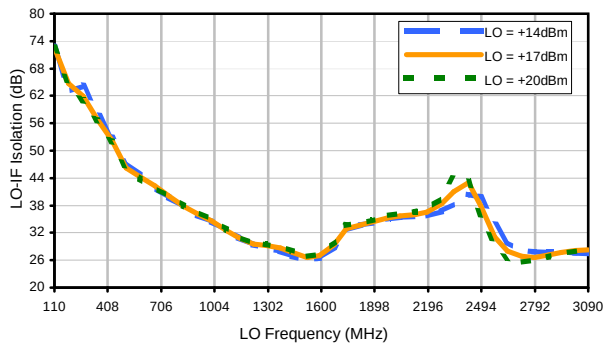


## Typical Performance Curves

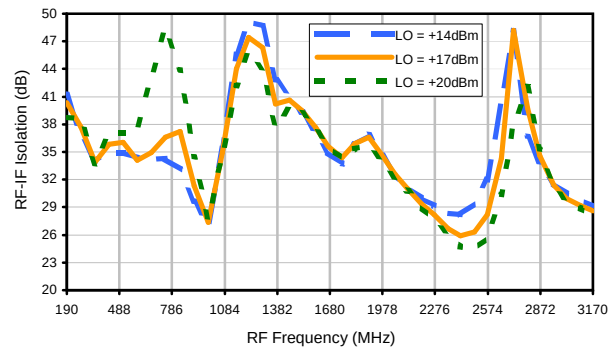
LO-RF Isolation



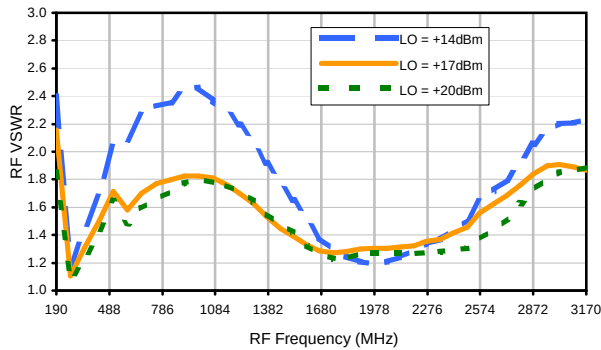
LO-IF Isolation



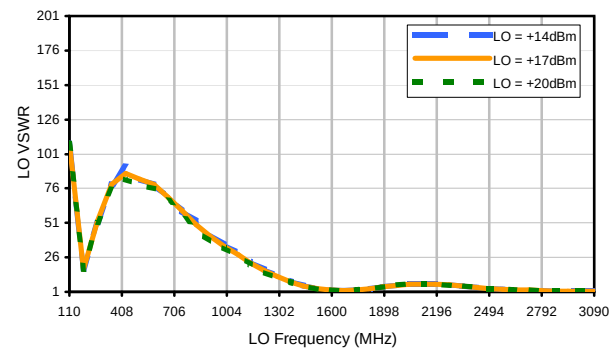
RF-IF Isolation



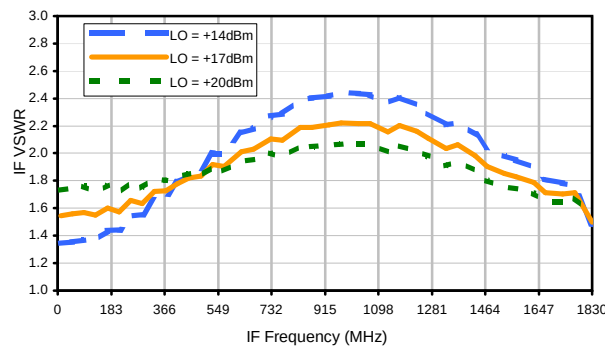
RF VSWR



LO VSWR



IF VSWR



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## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 11  | 23  | 30  | 28  | 34  | 37  | 35  | 41  | 47  | 73  |
| 1  | -      | 29     | +0  | 37  | 19  | 39  | 32  | 51  | 39  | 41  | 39  | 68  |
| 2  | 55     | 49     | 53  | 64  | 56  | 62  | 64  | 67  | 67  | 58  | 62  | 72  |
| 3  | 89     | 78     | 64  | 73  | 58  | 69  | 63  | 71  | 70  | >85 | 77  | 75  |
| 4  | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 5  | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 6  | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 7  | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 8  | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 9  | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
| 10 | >90    | >85    | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 | >85 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 1880 MHz; 2.00 dBm.  
LO IN: 1800 MHz; +17.00 dBm  
IF OUT: 80 MHz; -5.35 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 21  | 34  | 40  | 39  | 44  | 44  | 47  | 52  | 67  | 75  |
| 1  | -      | 28     | +0  | 36  | 19  | 41  | 34  | 54  | 42  | 44  | 45  | 63  |
| 2  | 35     | 39     | 44  | 56  | 47  | 53  | 55  | 62  | 65  | 52  | 63  | 66  |
| 3  | 60     | 65     | 43  | 62  | 37  | 57  | 43  | 56  | 51  | 69  | 57  | 64  |
| 4  | 80     | 94     | 77  | 69  | 68  | 70  | 67  | 76  | 72  | 90  | 73  | 66  |
| 5  | >90    | 83     | 86  | 73  | 68  | 67  | 61  | 63  | 62  | 67  | 66  | 83  |
| 6  | >90    | >94    | >94 | >94 | 94  | 89  | 88  | 82  | 81  | 87  | 86  | >94 |
| 7  | >90    | 87     | >94 | 91  | >94 | 82  | 89  | 78  | 88  | 74  | 81  | 78  |
| 8  | >90    | >94    | >94 | >94 | >94 | >94 | >94 | 94  | >94 | 89  | 89  | 94  |
| 9  | >90    | >94    | >94 | >94 | >94 | >94 | >94 | 94  | >94 | >94 | 93  | 91  |
| 10 | >90    | >94    | >94 | >94 | >94 | >94 | >94 | >94 | >94 | >94 | >94 | 91  |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 1880 MHz; 12.00 dBm.  
LO IN: 1800 MHz; +17.00 dBm  
IF OUT: 80 MHz; 4.48 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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