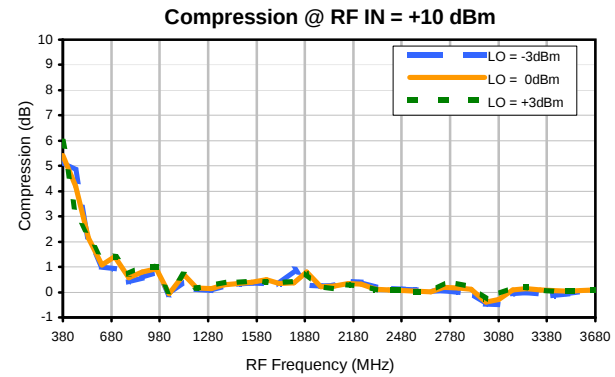
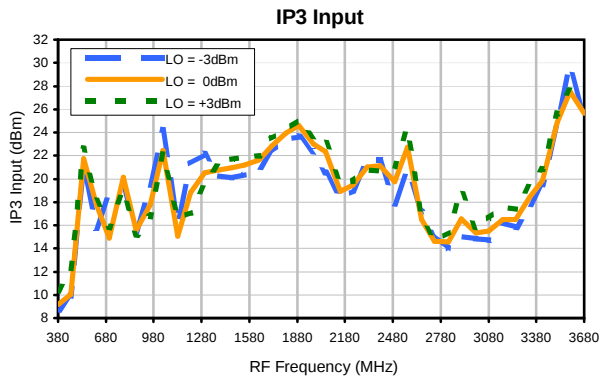
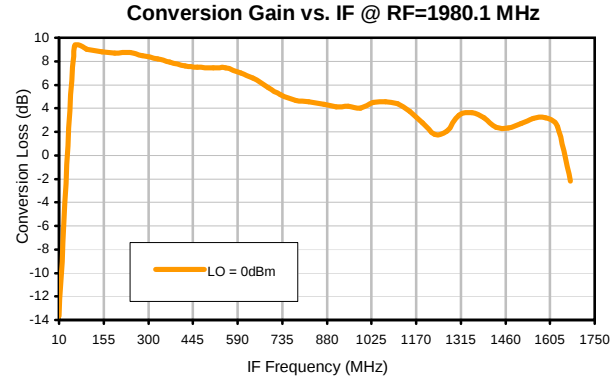
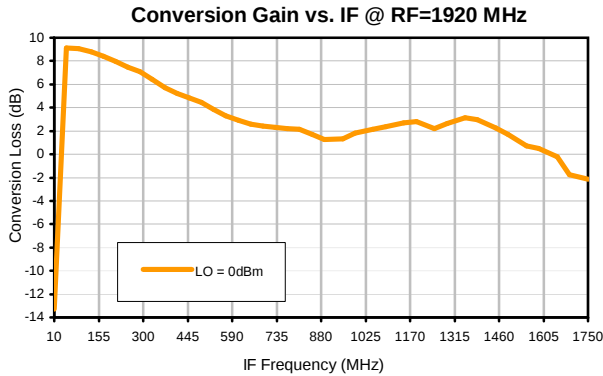
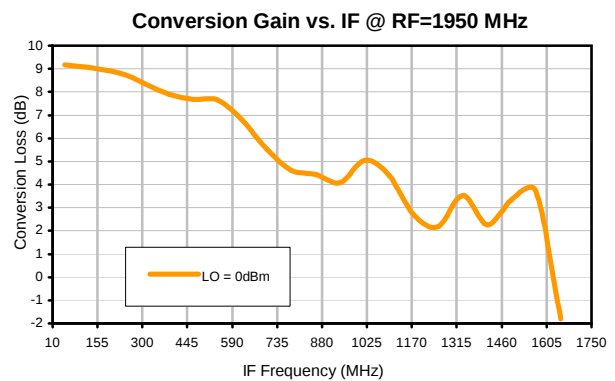
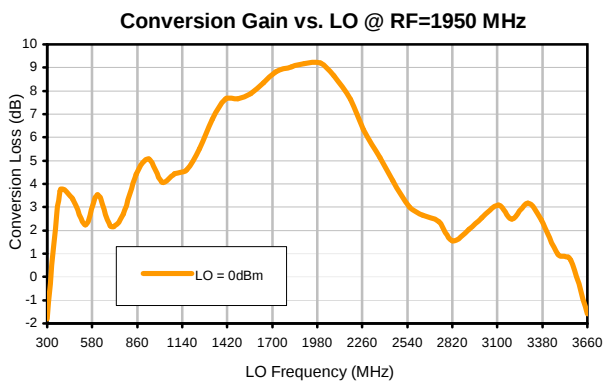
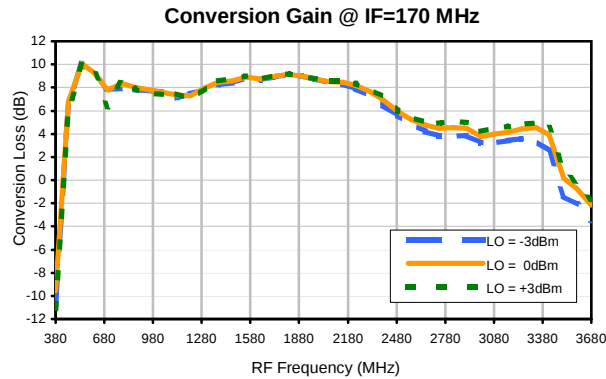
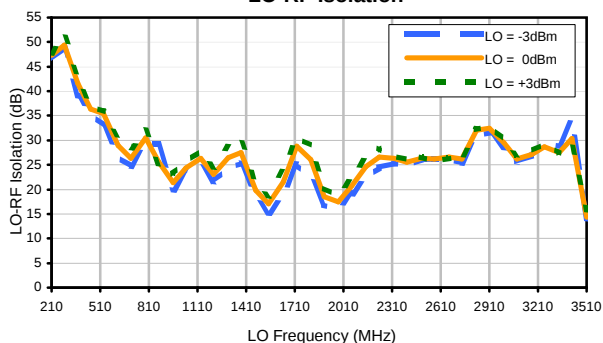


## Typical Performance Curves

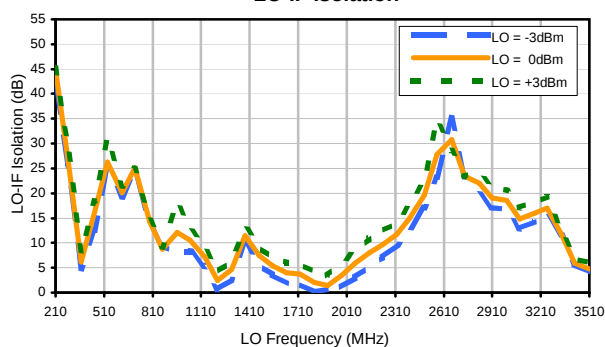


## Typical Performance Curves

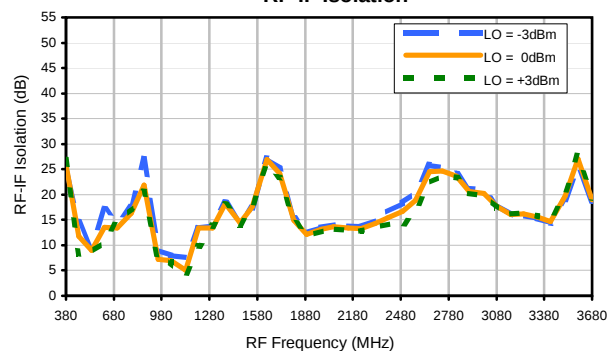
LO-RF Isolation



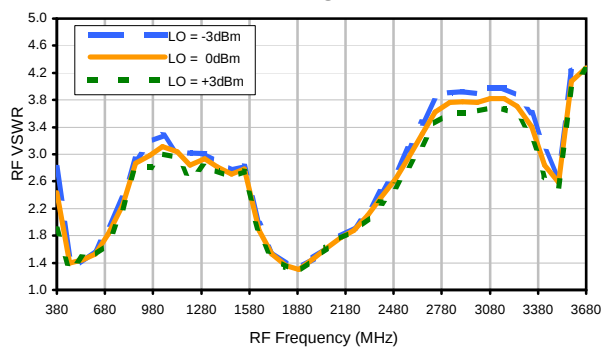
LO-IF Isolation



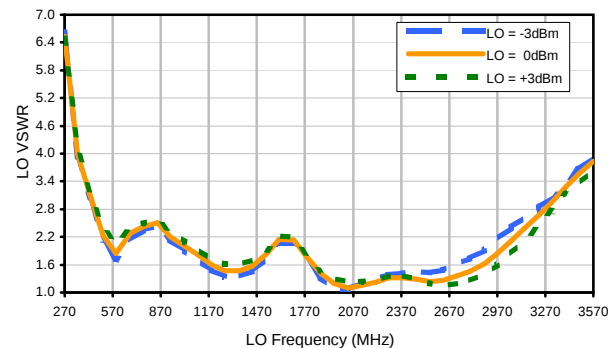
RF-IF Isolation



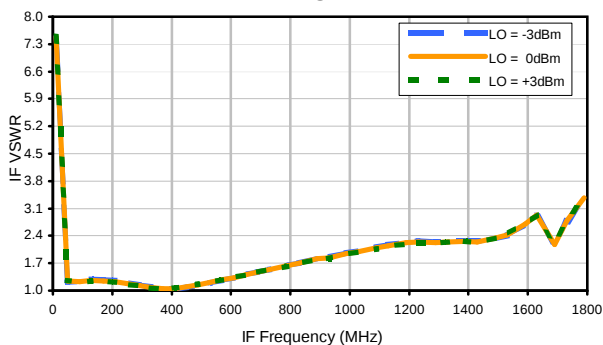
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 12  | 19  | 40  | 57  | 51  | 51  | 64  | 71  | 76  | 79  |
| 1  | -      | 22     | +0  | 23  | 32  | 42  | 70  | 71  | 69  | 57  | 75  | 81  |
| 2  | 59     | 58     | 46  | 39  | 50  | 58  | 67  | 78  | 82  | 86  | 71  | 94  |
| 3  | >90    | 89     | 72  | 66  | 64  | 59  | 68  | 77  | 97  | 96  | 95  | 83  |
| 4  | >90    | >99    | 92  | 93  | 81  | 75  | 76  | 91  | >99 | >99 | >99 | >99 |
| 5  | >90    | >99    | >99 | 99  | >99 | 92  | 81  | 88  | >99 | >99 | >99 | >99 |
| 6  | >90    | >99    | >99 | >99 | >99 | >99 | >99 | 96  | 94  | >99 | >99 | >99 |
| 7  | >90    | >99    | >99 | >99 | >99 | >99 | >99 | >99 | >99 | 93  | >99 | >99 |
| 8  | >90    | >99    | >99 | >99 | >99 | >99 | >99 | >99 | >99 | 98  | 97  | >99 |
| 9  | >90    | >99    | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | 95  | 97  |
| 10 | >90    | >99    | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

## LO HARMONICS ORDER

Test conditions:

RF IN: 1950 MHz; 0.00 dBm.

LO IN: 1780 MHz; +0.00 dBm

IF OUT: 170 MHz; +8.81 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |      |     |      |     |     |     |     |    |    |     |
|----|--------|--------|------|-----|------|-----|-----|-----|-----|----|----|-----|
| 0  | -      | -      | 21   | 29  | 46   | 62  | 60  | 66  | 63  | 84 | 76 | 90  |
| 1  | -      | 23     | +0   | 24  | 32   | 42  | 70  | 69  | 73  | 62 | 74 | 90  |
| 2  | 39     | 48     | 40   | 22  | 40   | 48  | 58  | 76  | 77  | 85 | 72 | 100 |
| 3  | 65     | 74     | 49   | 43  | 35   | 44  | 49  | 55  | 82  | 90 | 81 | 73  |
| 4  | 90     | 87     | 76   | 68  | 55   | 41  | 52  | 57  | 69  | 87 | 86 | 104 |
| 5  | >90    | 89     | 88   | 68  | 64   | 58  | 53  | 54  | 60  | 70 | 88 | 95  |
| 6  | >90    | 97     | 101  | 99  | 79   | 78  | 68  | 61  | 64  | 69 | 80 | 101 |
| 7  | >90    | 96     | 91   | 105 | 94   | 81  | 71  | 75  | 56  | 62 | 74 | 86  |
| 8  | >90    | 99     | >109 | 91  | >109 | 102 | 95  | 83  | 82  | 62 | 75 | 80  |
| 9  | >90    | >109   | >109 | 103 | 101  | 104 | 104 | 102 | 86  | 83 | 69 | 65  |
| 10 | >90    | >109   | >109 | 108 | >109 | 95  | 101 | 104 | 108 | 93 | 88 | 94  |
|    | RF CAL | 0      | 1    | 2   | 3    | 4   | 5   | 6   | 7   | 8  | 9  | 10  |

## LO HARMONICS ORDER

Test conditions:

RF IN: 1950 MHz; 10 dBm.

LO IN: 1780 MHz; +0 dBm

IF OUT: 170 MHz; +18.57 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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