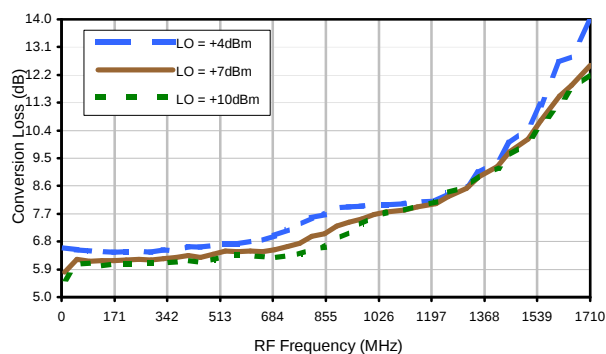
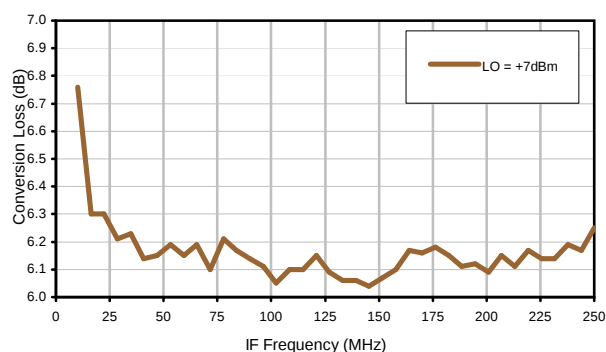


## Typical Performance Curves

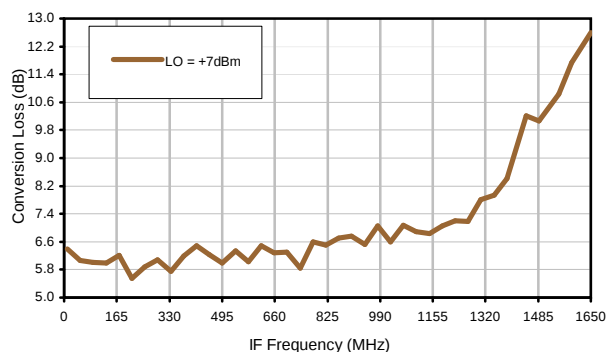
Conversion Loss @ IF=30MHz



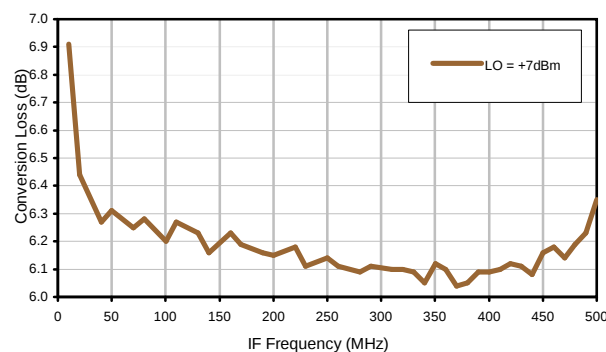
Conversion Loss vs. IF @ RF=260.1MHz



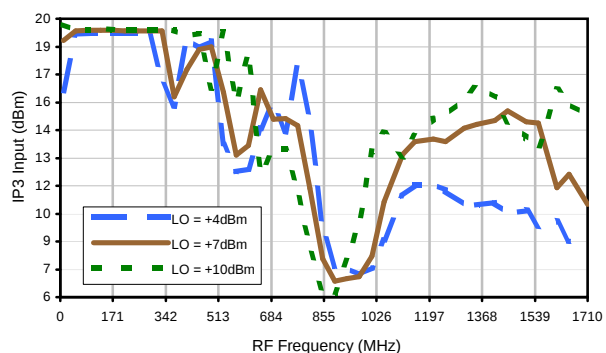
Conversion Loss vs. IF @ RF=10MHz



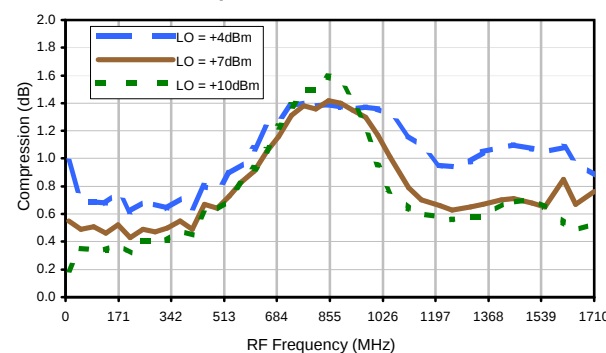
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input

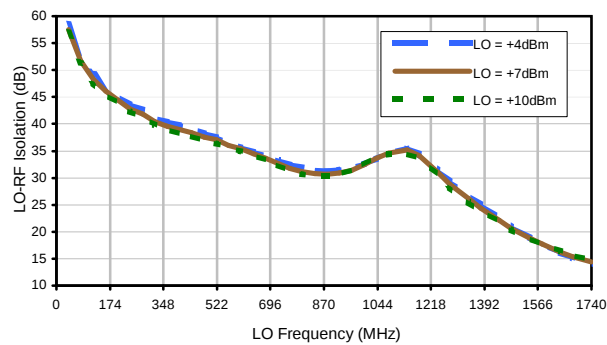


Compression @ RF IN=0dBm

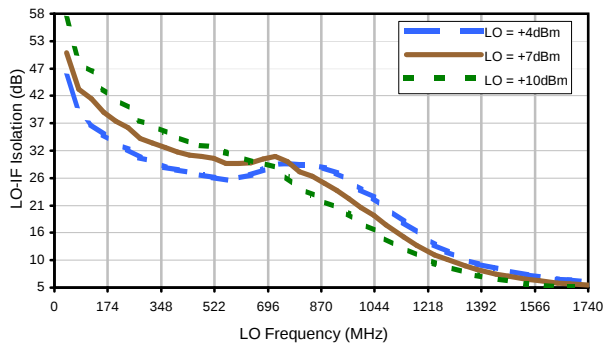


## Typical Performance Curves

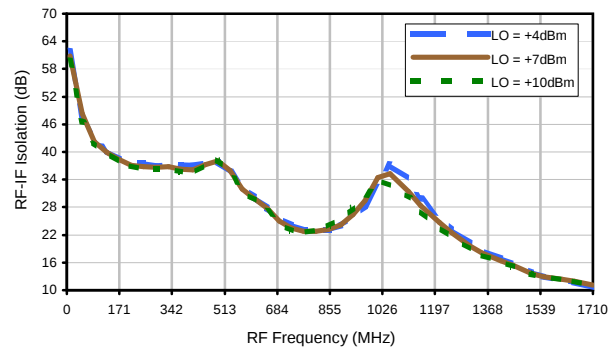
LO-RF Isolation



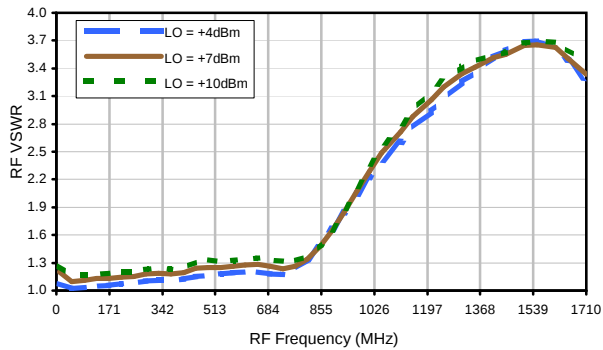
LO-IF Isolation



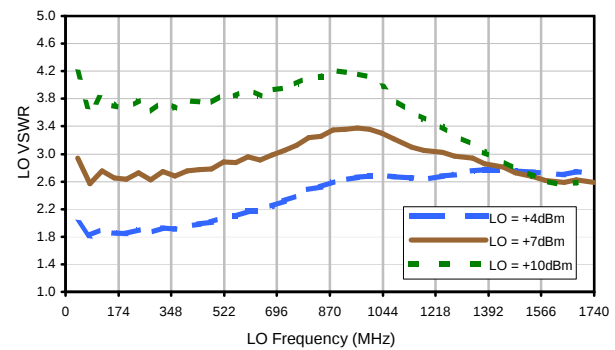
RF-IF Isolation



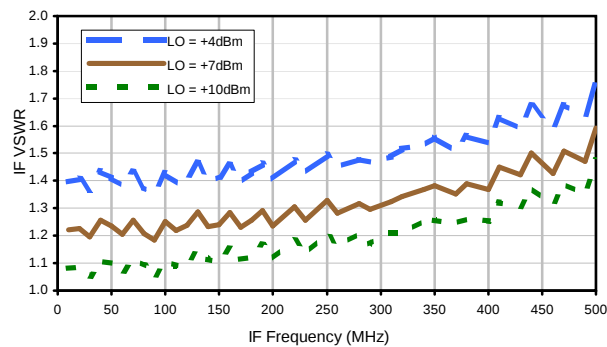
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 6   | 23  | 8   | 32  | 10  | 31  | 18  | 44  | 21  | 45  |
| 1  | -      | 30     | +0  | 44  | 11  | 44  | 18  | 32  | 28  | 46  | 39  | 49  |
| 2  | >90    | >69    | 50  | >69 | 49  | >69 | 48  | >69 | 47  | 69  | 53  | >69 |
| 3  | >90    | >69    | >69 | >69 | >69 | >69 | 67  | >69 | >69 | >69 | >69 | >69 |
| 4  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 5  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 6  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 7  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 8  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 9  | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
| 10 | >90    | >69    | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 | >69 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

## LO HARMONICS ORDER

Test conditions:

RF IN: 255 MHz; -15.00 dBm.

LO IN: 285 MHz; +7.00 dBm

IF OUT: 30 MHz; -21.34 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 16  | 33  | 19  | 45  | 22  | 42  | 31  | 60  | 35  | 59  |
| 1  | -      | 30     | +0  | 44  | 12  | 45  | 19  | 34  | 29  | 50  | 40  | 53  |
| 2  | 75     | 68     | 42  | 74  | 41  | 67  | 39  | 62  | 42  | >79 | 47  | 70  |
| 3  | >90    | 68     | 49  | 69  | 50  | 71  | 56  | 65  | 45  | 54  | 54  | 63  |
| 4  | >90    | >79    | 71  | 73  | 63  | 73  | 61  | 72  | 56  | >79 | 56  | 71  |
| 5  | >90    | 76     | 68  | >79 | 61  | >79 | 60  | >79 | 59  | >79 | 62  | >79 |
| 6  | >90    | >79    | 76  | >79 | >79 | >79 | 76  | >79 | 77  | >79 | 75  | >79 |
| 7  | >90    | >79    | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | 77  | >79 |
| 8  | >90    | >79    | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 |
| 9  | >90    | >79    | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 |
| 10 | >90    | >79    | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 | >79 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

## LO HARMONICS ORDER

Test conditions:

RF IN: 255 MHz; -5.00 dBm.

LO IN: 285 MHz; +7.00 dBm

IF OUT: 30 MHz; -11.3 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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