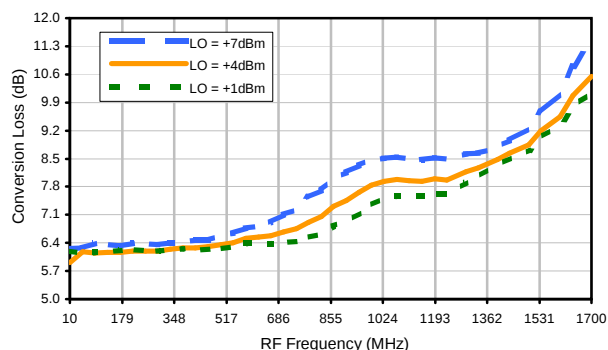
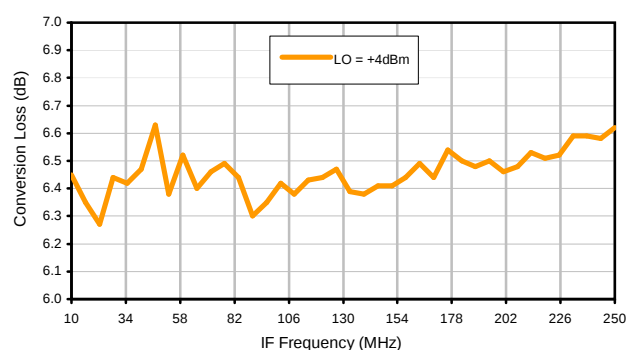


## Typical Performance Curves

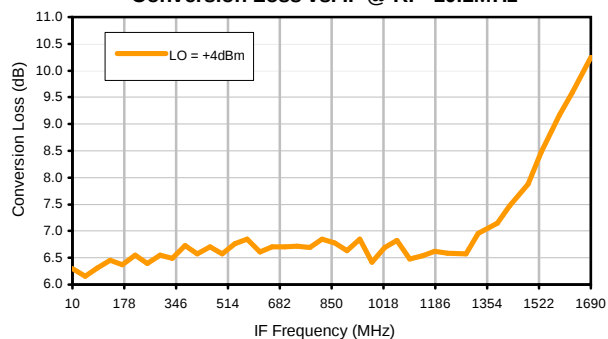
Conversion Loss @ IF=30MHz



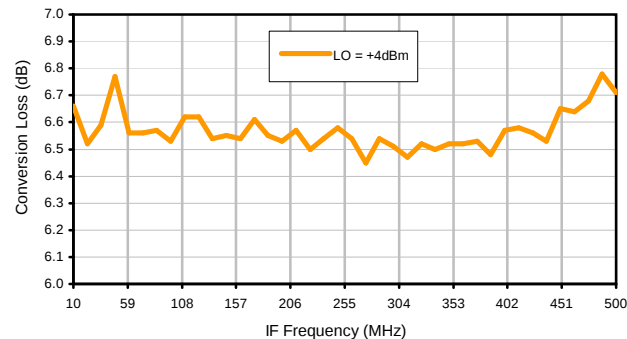
Conversion Loss vs. IF @ RF=260.1MHz



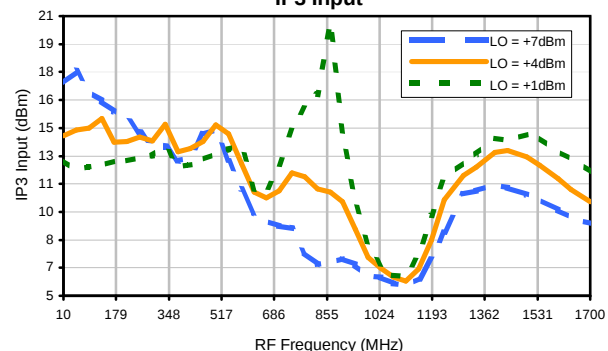
Conversion Loss vs. IF @ RF=10.1MHz



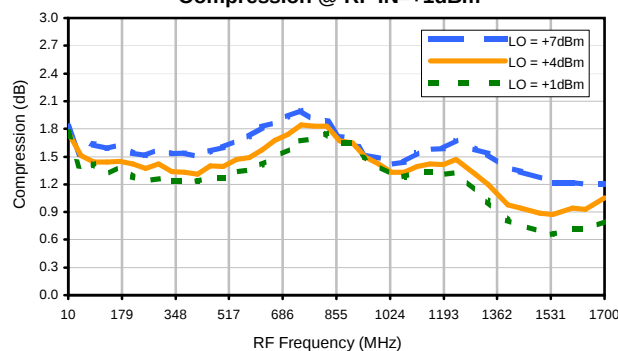
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input

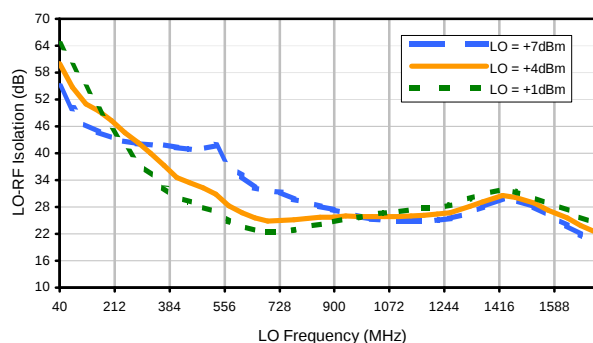


Compression @ RF IN=+1dBm

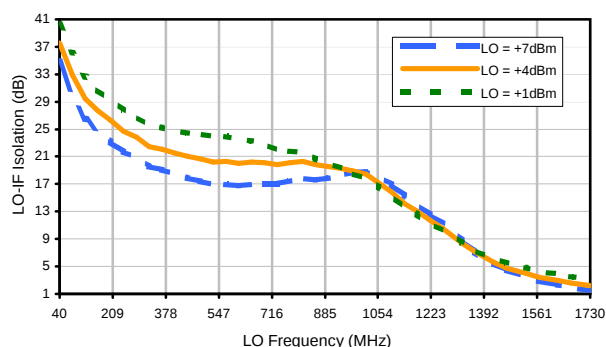


## Typical Performance Curves

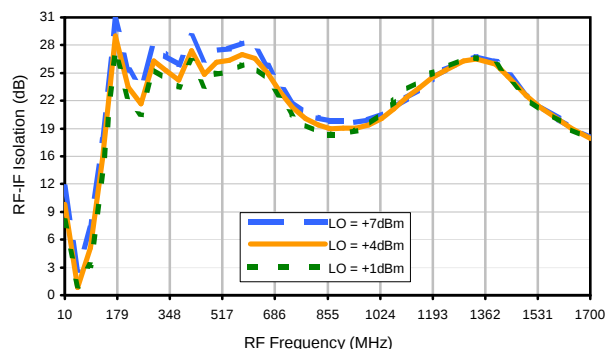
LO-RF Isolation



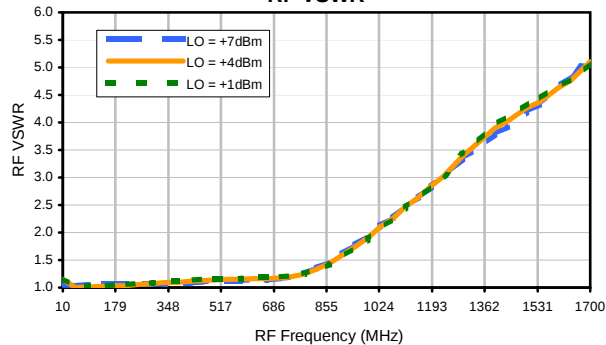
LO-IF Isolation



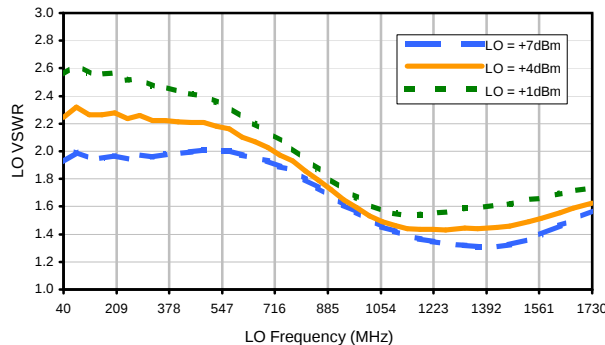
RF-IF Isolation



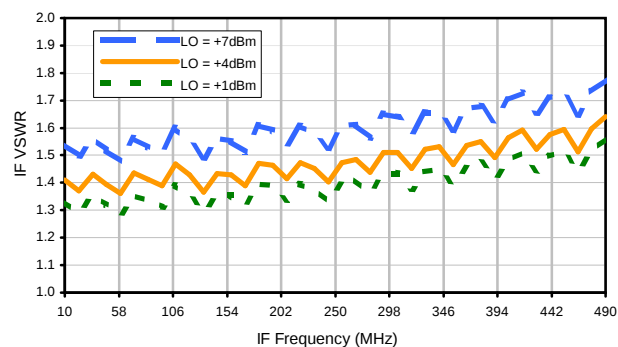
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 7   | 12  | 12  | 21  | 18  | 24  | 24  | 25  | 33  | 27  |
| 1  | -      | 24     | +0  | 18  | 14  | 20  | 24  | 24  | 32  | 34  | 49  | 48  |
| 2  | >90    | 52     | 54  | 53  | 50  | 53  | 48  | 53  | 50  | 52  | 59  | 52  |
| 3  | >90    | 68     | 63  | 66  | 65  | 60  | 60  | 60  | 61  | 62  | 68  | 65  |
| 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: 250 MHz; -14.00 dBm.  
LO IN: 280 MHz; -4.00 dBm  
IF OUT: 30 MHz; -20.54 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 18  | 23  | 24  | 35  | 32  | 40  | 37  | 42  | 41  | 54  |
| 1  | -      | 24     | +0  | 17  | 14  | 19  | 26  | 24  | 37  | 37  | 52  | 57  |
| 2  | 74     | 46     | 48  | 46  | 45  | 48  | 42  | 49  | 44  | 47  | 54  | 49  |
| 3  | >90    | 42     | 41  | 58  | 44  | 53  | 51  | 52  | 50  | 47  | 53  | 54  |
| 4  | >90    | 63     | 64  | 74  | 61  | 64  | 58  | 59  | 59  | 58  | 65  | 60  |
| 5  | >90    | 58     | 60  | 73  | 58  | 60  | 58  | 54  | 57  | 54  | 63  | 59  |
| 6  | >90    | >80    | 73  | >80 | >80 | 77  | >80 | >80 | >80 | 77  | >80 | 79  |
| 7  | >90    | >80    | 70  | 79  | >80 | 76  | 78  | 70  | 79  | 66  | 79  | 65  |
| 8  | >90    | >80    | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | 80  |
| 9  | >90    | >80    | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
| 10 | >90    | >80    | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 | >80 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 250 MHz; -4.00 dBm.  
LO IN: 280 MHz; -4.00 dBm  
IF OUT: 30 MHz; -10.46 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.