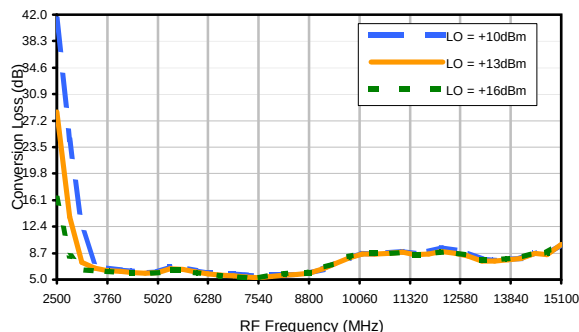
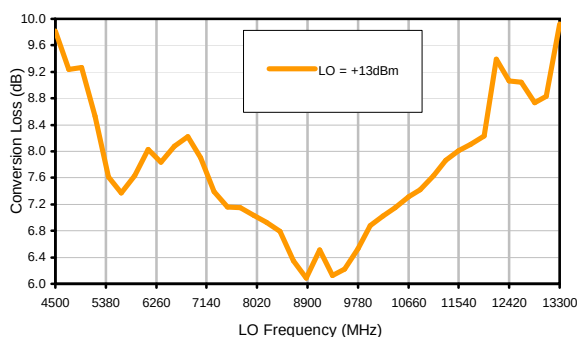


## Typical Performance Curves

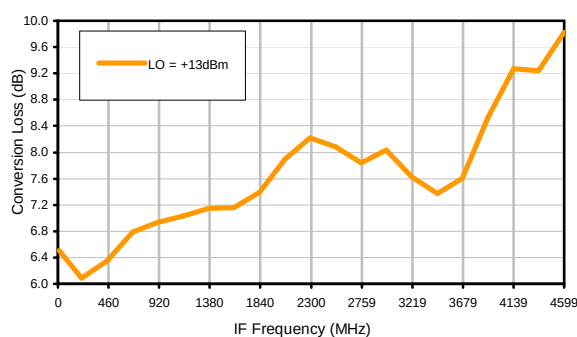
Conversion Loss @ IF=30MHz



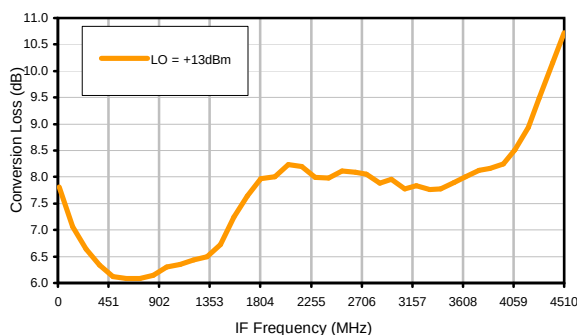
Conversion Loss vs. LO @ RF=9100MHz



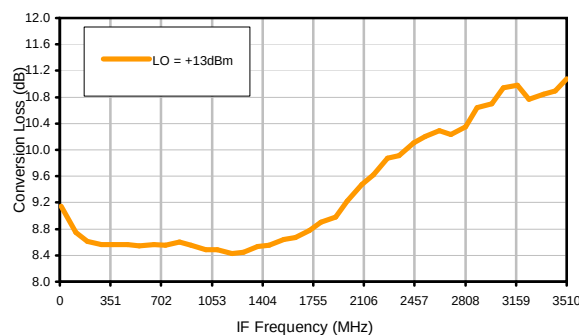
Conversion Loss vs. IF @ RF=9100MHz



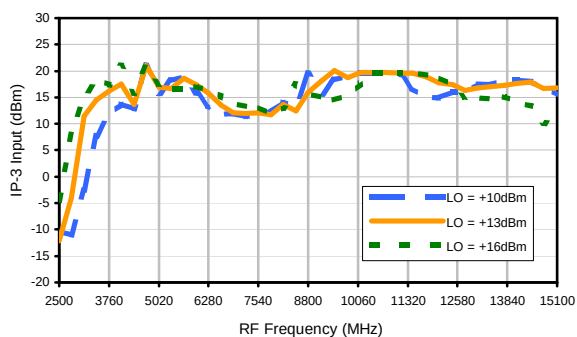
Conversion Loss vs. IF @ RF=3190MHz



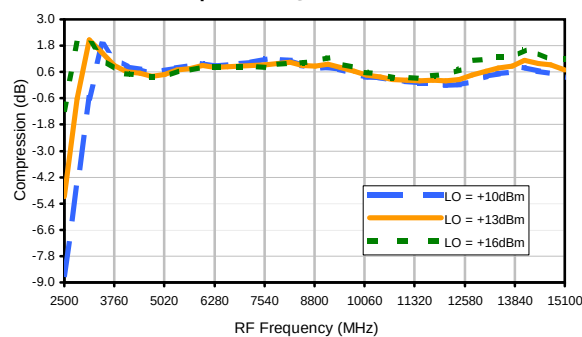
Conversion Loss vs. IF @ RF=15010.099MHz



IP3 Input

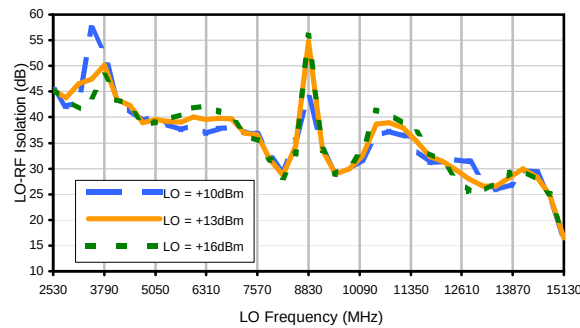


Compression @ RF IN=+5dBm

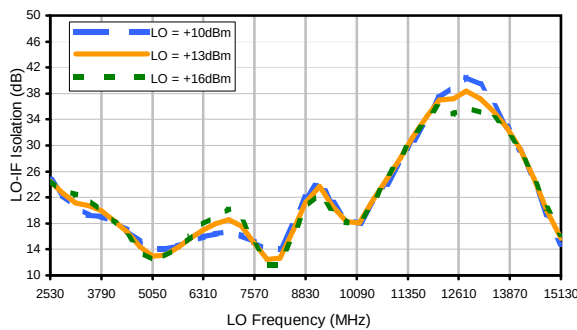


## Typical Performance Curves

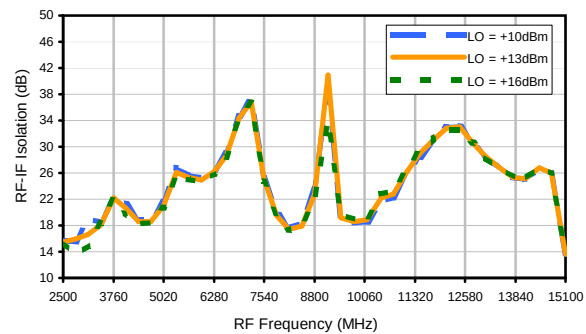
LO-RF Isolation



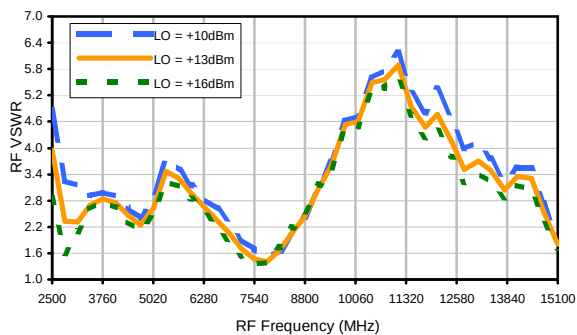
LO-IF Isolation



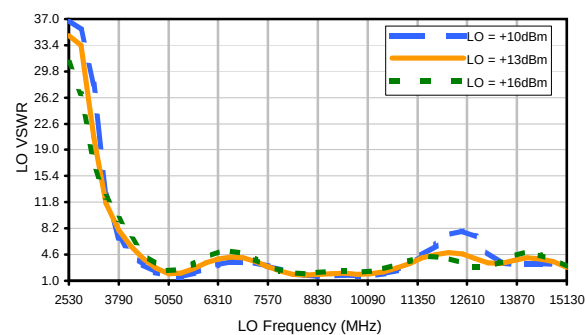
RF-IF Isolation



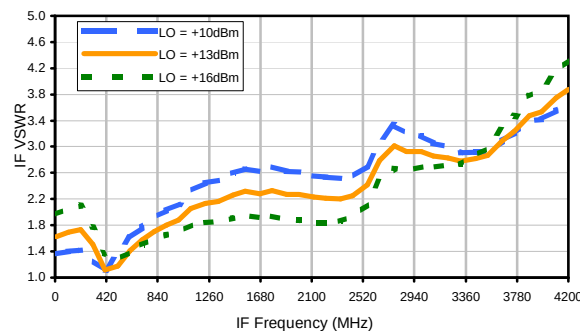
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

|        | RF HARMONICS ORDER | (-dBm) |     |     |     |     |     |     |     |     |     |     |     |
|--------|--------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        |                    | (-dBc) |     |     |     |     |     |     |     |     |     |     |     |
| 0      |                    | -      | -   | +13 | 18  | 5   | --- | --- | --- | --- | --- | --- | --- |
| 1      |                    | -      | 16  | +0  | 32  | 23  | 38  | --- | --- | --- | --- | --- | --- |
| 2      |                    | 73     | 58  | 41  | 46  | 49  | 51  | 46  | --- | --- | --- | --- | --- |
| 3      |                    | >90    | 62  | 64  | >76 | 55  | 63  | 68  | 67  | --- | --- | --- | --- |
| 4      |                    | ---    | --- | >76 | >76 | >76 | >76 | >76 | >76 | >76 | --- | --- | --- |
| 5      |                    | ---    | --- | --- | >76 | >76 | >76 | >76 | >76 | >76 | >76 | --- | --- |
| 6      |                    | ---    | --- | --- | --- | >76 | >76 | >76 | >76 | >76 | >76 | >76 | --- |
| 7      |                    | ---    | --- | --- | --- | --- | >76 | >76 | >76 | >76 | >76 | >76 | >76 |
| 8      |                    | ---    | --- | --- | --- | --- | --- | >76 | >76 | >76 | >76 | >76 | >76 |
| 9      |                    | ---    | --- | --- | --- | --- | --- | --- | >76 | >76 | >76 | >76 | >76 |
| 10     |                    | ---    | --- | --- | --- | --- | --- | --- | --- | >76 | >76 | >76 | >76 |
| RF CAL |                    | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |     |

### LO HARMONICS ORDER

Test conditions: RF IN: 7750 MHz; -8.00 dBm.  
LO IN: 7780 MHz; +13.00 dBm  
IF OUT: 30 MHz; -13.69 dBm

|        | RF HARMONICS ORDER | (-dBm) |     |     |     |     |     |     |     |     |     |     |     |
|--------|--------------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        |                    | (-dBc) |     |     |     |     |     |     |     |     |     |     |     |
| 0      |                    | -      | -   | +3  | 29  | 16  | --- | --- | --- | --- | --- | --- | --- |
| 1      |                    | -      | 15  | +0  | 36  | 23  | 50  | --- | --- | --- | --- | --- | --- |
| 2      |                    | 53     | 43  | 30  | 37  | 41  | 44  | 41  | --- | --- | --- | --- | --- |
| 3      |                    | 67     | 42  | 43  | 52  | 37  | 46  | 52  | 55  | --- | --- | --- | --- |
| 4      |                    | ---    | --- | 60  | 61  | 57  | 48  | 66  | 55  | 60  | --- | --- | --- |
| 5      |                    | ---    | --- | --- | 68  | 76  | 73  | 56  | 56  | 63  | 60  | --- | --- |
| 6      |                    | ---    | --- | --- | --- | 71  | 69  | 71  | 60  | 76  | 66  | 70  | --- |
| 7      |                    | ---    | --- | --- | --- | --- | 83  | 79  | 83  | 69  | 67  | 73  | 67  |
| 8      |                    | ---    | --- | --- | --- | --- | --- | 82  | 81  | 85  | 64  | 78  | 77  |
| 9      |                    | ---    | --- | --- | --- | --- | --- | --- | >86 | >86 | 85  | 79  | 79  |
| 10     |                    | ---    | --- | --- | --- | --- | --- | --- | --- | >86 | >86 | >86 | 70  |
| RF CAL |                    | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |     |

### LO HARMONICS ORDER

Test conditions: RF IN: 7750 MHz; 2.00 dBm.  
LO IN: 7780 MHz; +13.00 dBm  
IF OUT: 30 MHz; -3.98 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.