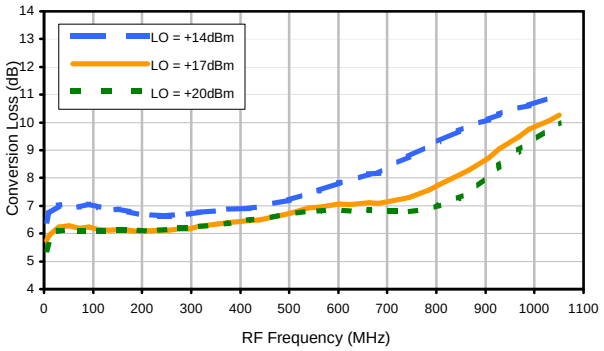
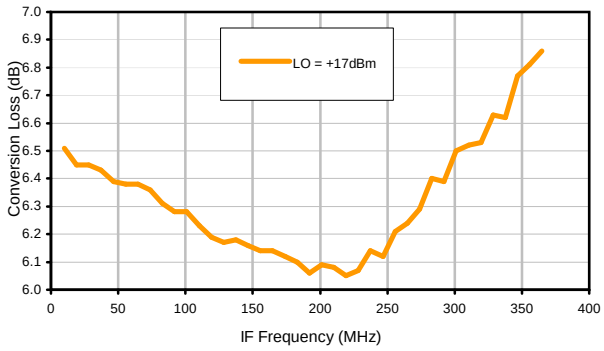
## *Typical Performance Curves*

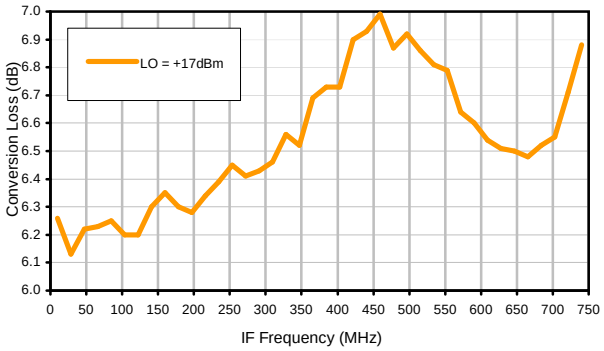
**Conversion Loss @ IF=30MHz**



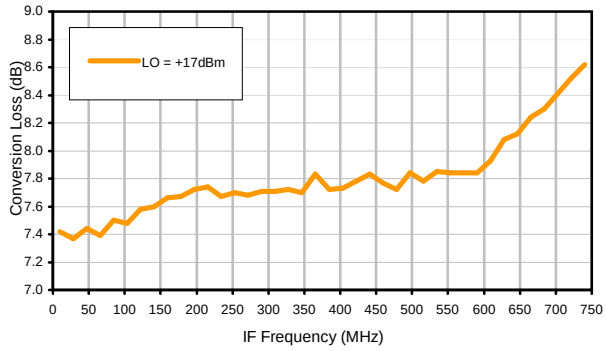

**Conversion Loss vs. IF @ RF=375.1MHz**



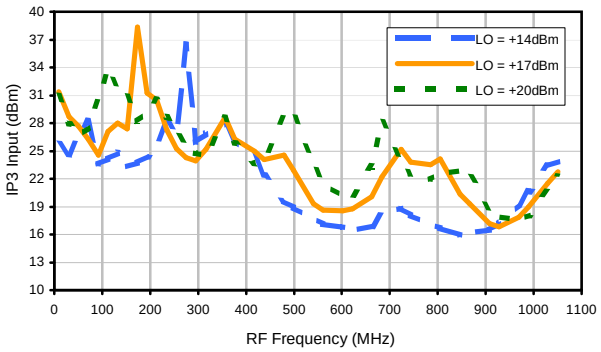

**Conversion Loss vs. IF @ RF=10.1MHz**



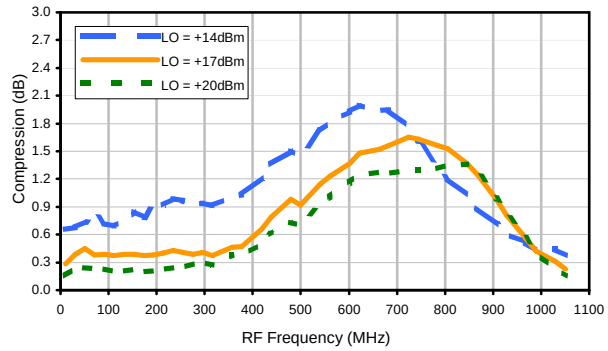

**Conversion Loss vs. IF @ RF=750.1MHz**




**IP3 Input**

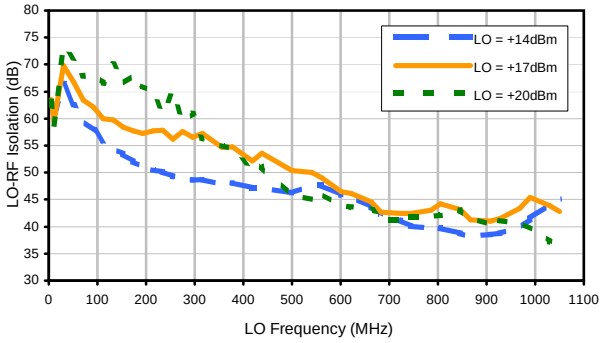



**Compression @ RF IN=+14dBm**

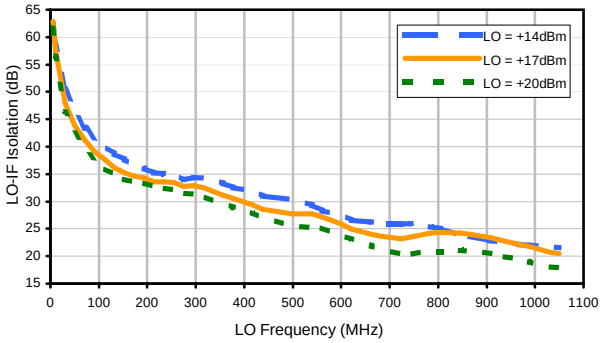


## *Typical Performance Curves*

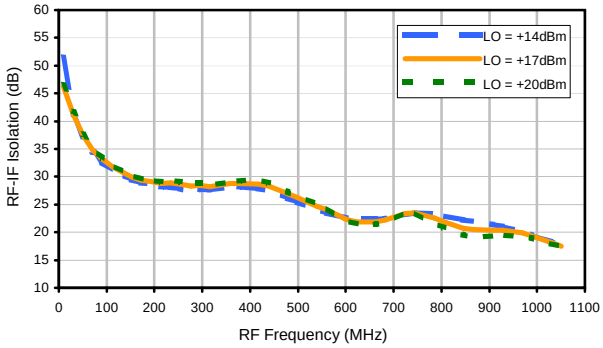
**LO-RF Isolation**



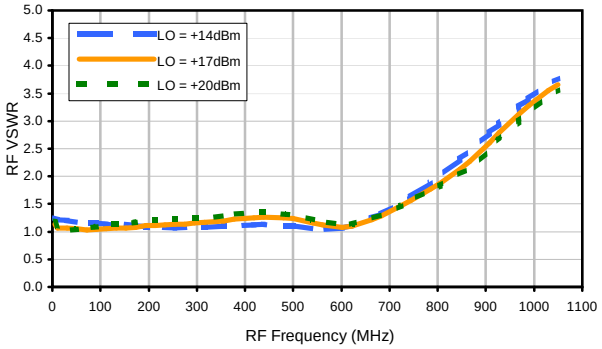

**LO-IF Isolation**



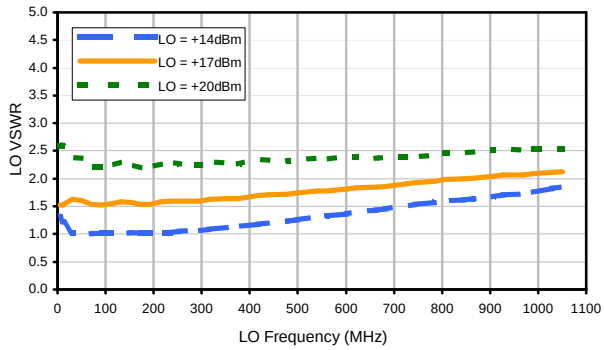

**RF-IF Isolation**



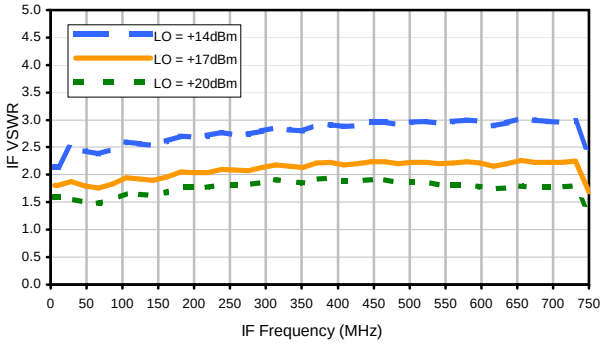

**RF VSWR**




**LO VSWR**




**IF VSWR**



## *Harmonics Tables*

| RF HARMONICS ORDER | (-dBm) | (-dBc) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | - | 5 | 36 | 10 | 34 | 17 | 52 | 31 | 42 | 32 | 50 |
| 1 | - | 23 | +0 | 33 | 12 | 38 | 29 | 48 | 32 | 42 | 36 | 55 |
| 2 | 98 | 56 | 37 | 56 | 38 | 55 | 38 | 58 | 50 | 64 | 49 | 65 |
| 3 | >100 | 70 | 61 | 72 | 62 | 67 | 58 | 72 | 68 | 82 | 60 | 73 |
| 4 | >100 | 78 | 67 | 73 | 66 | 71 | 69 | 71 | 70 | 83 | 87 | 81 |
| 5 | >100 | >92 | 91 | >92 | >92 | >92 | 84 | 88 | 84 | 88 | 92 | >92 |
| 6 | >100 | >92 | >92 | >92 | >92 | >92 | >92 | 89 | >92 | 89 | >92 | >92 |
| 7 | >100 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 8 | >100 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 9 | >100 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| 10 | >100 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 | >92 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

**LO HARMONICS ORDER**

**Test conditions:** **RF IN: 370.1 MHz; -1.00 dBm.**
**LO IN: 400.01 MHz; +17.00 dBm**
**IF OUT: 29.91 MHz; -7.53 dBm**

| RF HARMONICS ORDER | (-dBm) | (-dBc) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | - | - | 14 | 47 | 26 | 48 | 32 | 60 | 47 | 51 | 47 | 65 |
| 1 | - | 23 | +0 | 32 | 13 | 39 | 29 | 49 | 38 | 49 | 46 | 67 |
| 2 | 86 | 60 | 33 | 69 | 34 | 57 | 34 | 53 | 43 | 66 | 50 | 63 |
| 3 | >100 | 58 | 43 | 58 | 44 | 56 | 41 | 71 | 61 | 63 | 47 | 59 |
| 4 | >100 | 70 | 49 | 66 | 47 | 68 | 49 | 67 | 48 | 67 | 60 | 69 |
| 5 | >100 | 82 | 68 | 76 | 59 | 73 | 56 | 65 | 53 | 67 | 66 | 79 |
| 6 | >100 | 80 | 70 | 74 | 59 | 68 | 59 | 67 | 60 | 67 | 63 | 79 |
| 7 | >100 | 86 | 82 | 93 | 77 | >102 | 78 | 97 | 75 | 86 | 73 | 92 |
| 8 | >100 | 89 | 84 | 92 | 82 | 82 | 72 | 77 | 71 | 74 | 70 | 74 |
| 9 | >100 | >102 | >102 | 101 | 89 | >102 | 80 | 88 | 83 | 86 | 81 | 86 |
| 10 | >100 | >102 | 96 | 96 | 102 | 101 | 101 | 87 | 91 | 84 | 82 | 79 |
| | RF CAL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

**LO HARMONICS ORDER**

**Test conditions:** **RF IN: 370.1 MHz; 9.00 dBm.**
**LO IN: 400.01 MHz; +17.00 dBm**
**IF OUT: 29.91 MHz; 2.38 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.**