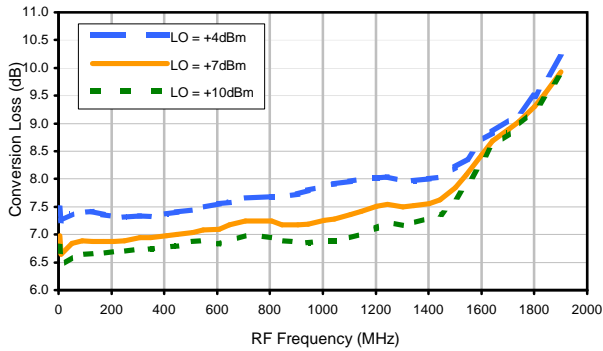
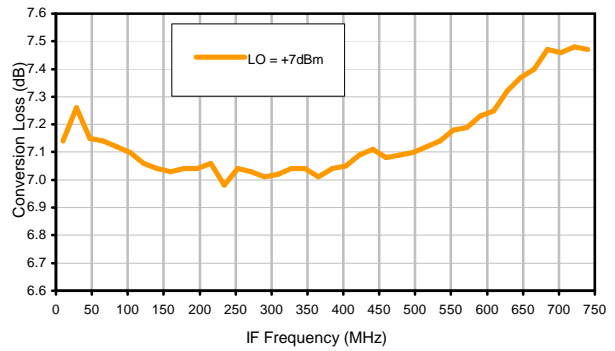


## Typical Performance Curves

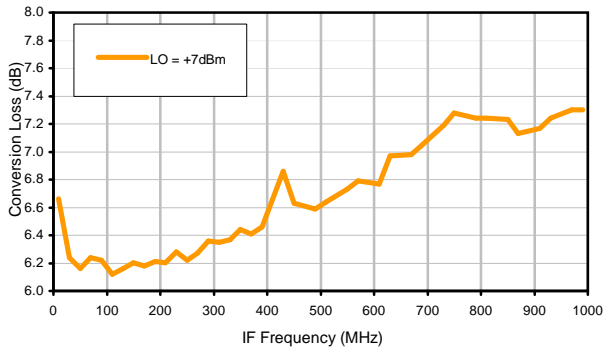
### Conversion Loss @ IF=30MHz



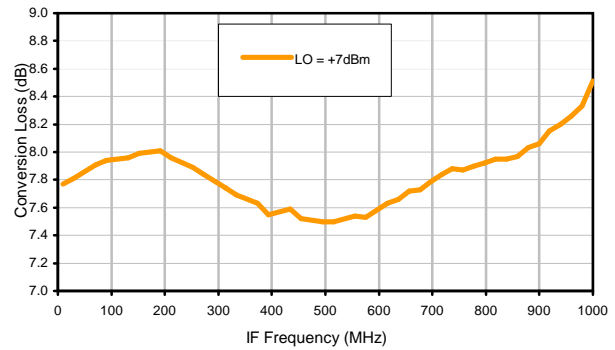
### Conversion Loss vs. IF @ RF=750.1MHz



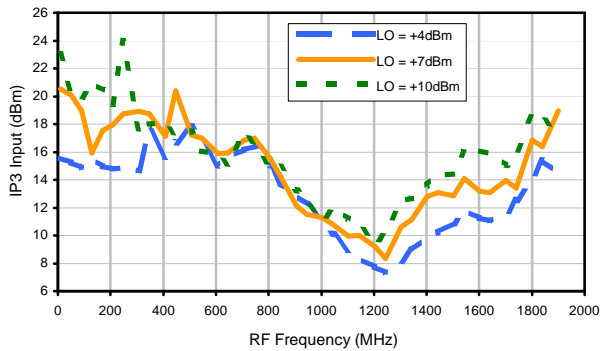
### Conversion Loss vs. IF @ RF=10.1MHz



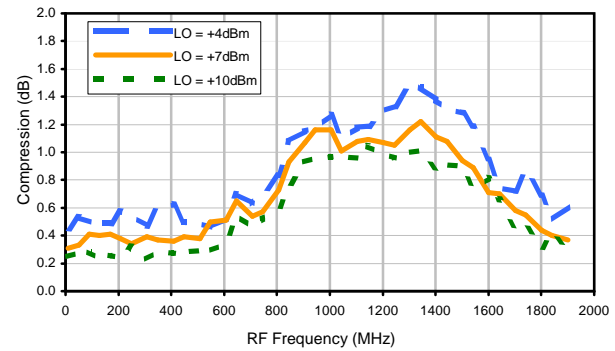
### Conversion Loss vs. IF @ RF=1500.1MHz



### IP3 Input

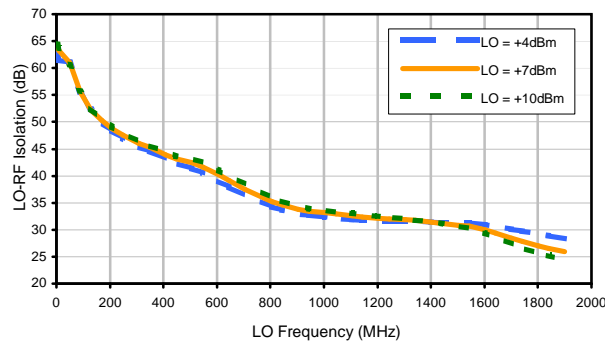


### Compression @ RF IN=+1dBm

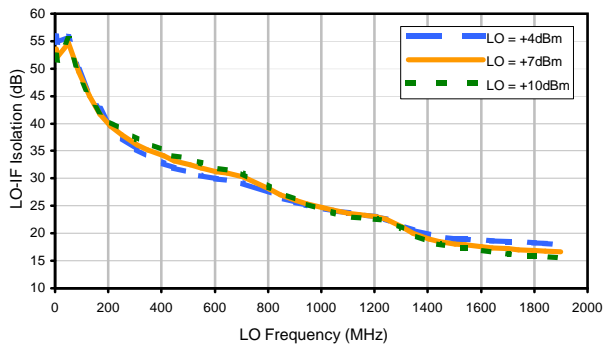


## Typical Performance Curves

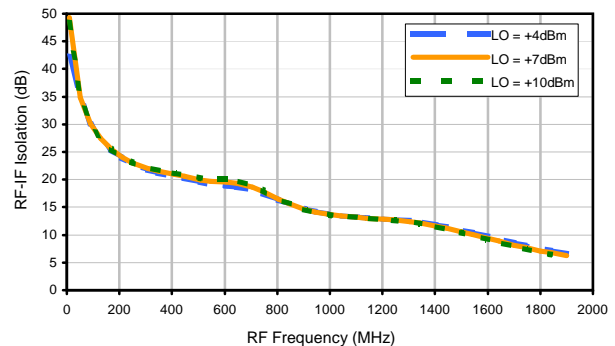
LO-RF Isolation



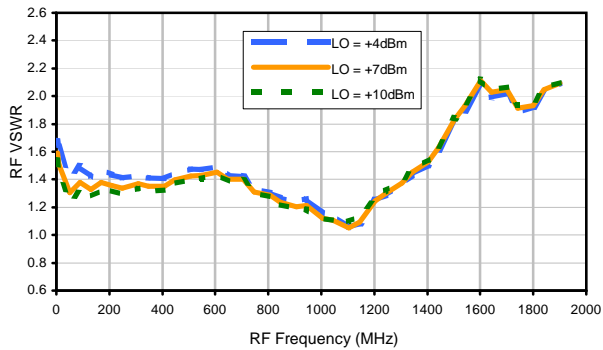
LO-IF Isolation



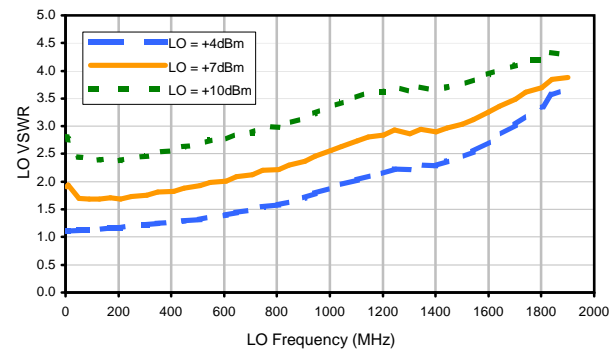
RF-IF Isolation



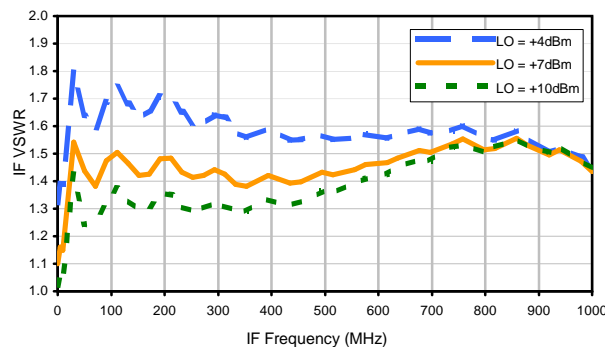
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | +0  | 20  | 8   | 36  | 18  | 27  | 34  | 38  | 58  | 44  |
| 1  | -      | 10     | +0  | 27  | 14  | 39  | 33  | 41  | 47  | 38  | 59  | 48  |
| 2  | 124    | 63     | 48  | 59  | 50  | 59  | 51  | 62  | 63  | 61  | 69  | 64  |
| 3  | 117    | 68     | 79  | 67  | 67  | 68  | 65  | 86  | 79  | 77  | 81  | 82  |
| 4  | 118    | 96     | 90  | 91  | 83  | 81  | 83  | 91  | 90  | 92  | 92  | 94  |
| 5  | 116    | 107    | 103 | 130 | 110 | 95  | 86  | 104 | 100 | 99  | 102 | 105 |
| 6  | 119    | 102    | 109 | 100 | 99  | 119 | 104 | 83  | 119 | 102 | 114 | 112 |
| 7  | 114    | 101    | 103 | 114 | 115 | 125 | 100 | 95  | 102 | 109 | 109 | 109 |
| 8  | 109    | 99     | 103 | 114 | 110 | 97  | 110 | 101 | 97  | 91  | 101 | 106 |
| 9  | 117    | 95     | 106 | 112 | 107 | 106 | 102 | 109 | 108 | 95  | 97  | 98  |
| 10 | 114    | 99     | 98  | 102 | 122 | 111 | 107 | 102 | 104 | 110 | 104 | 96  |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 750.1 MHz; -14.00 dBm.  
 LO IN: 780.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -21.11 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |    |    |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 0  | -      | -      | 10  | 31  | 18  | 42  | 28  | 39  | 48  | 53  | 63 | 66 |
| 1  | -      | 10     | +0  | 28  | 14  | 42  | 33  | 46  | 56  | 43  | 67 | 54 |
| 2  | 89     | 51     | 37  | 47  | 39  | 48  | 42  | 57  | 71  | 54  | 67 | 60 |
| 3  | 116    | 47     | 60  | 49  | 50  | 50  | 47  | 65  | 61  | 60  | 63 | 59 |
| 4  | 115    | 78     | 71  | 69  | 58  | 61  | 58  | 77  | 61  | 70  | 64 | 64 |
| 5  | 114    | 73     | 76  | 73  | 66  | 66  | 62  | 72  | 64  | 73  | 71 | 75 |
| 6  | 111    | 91     | 87  | 91  | 88  | 78  | 70  | 71  | 70  | 72  | 72 | 78 |
| 7  | 122    | 92     | 97  | 94  | 107 | 87  | 78  | 78  | 78  | 79  | 85 | 89 |
| 8  | 106    | 110    | 104 | 99  | 102 | 116 | 92  | 91  | 83  | 82  | 82 | 93 |
| 9  | 113    | 121    | 111 | 116 | 109 | 104 | 105 | 103 | 107 | 105 | 94 | 97 |
| 10 | 105    | 111    | 113 | 111 | 130 | 111 | 114 | 116 | 106 | 99  | 99 | 98 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9  | 10 |

### LO HARMONICS ORDER

Test conditions: RF IN: 750.1 MHz; -4.00 dBm.  
 LO IN: 780.01 MHz; +7.00 dBm  
 IF OUT: 29.91 MHz; -11.16 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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