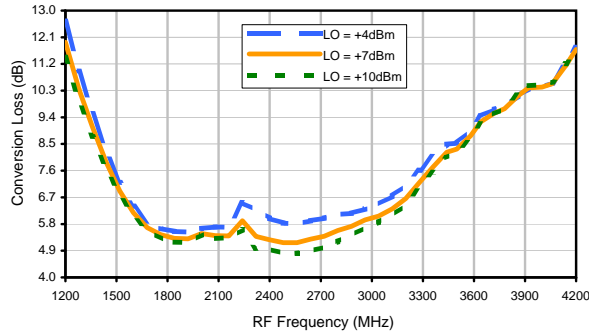
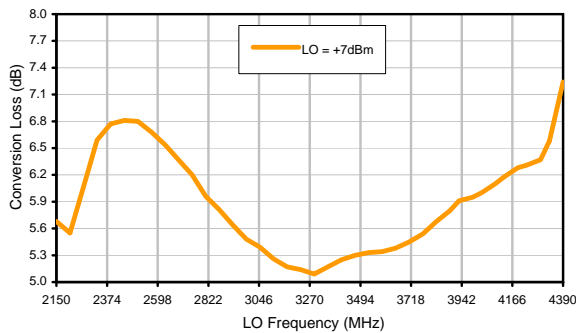


## Typical Performance Curves

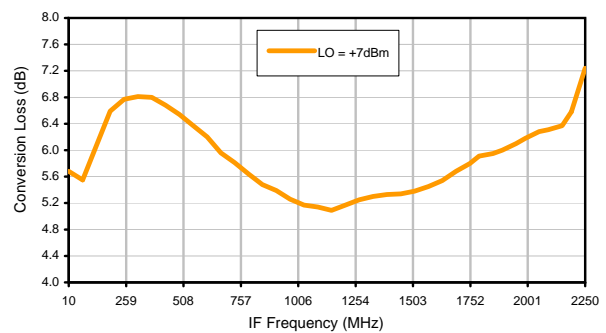
Conversion Loss @ IF=30MHz



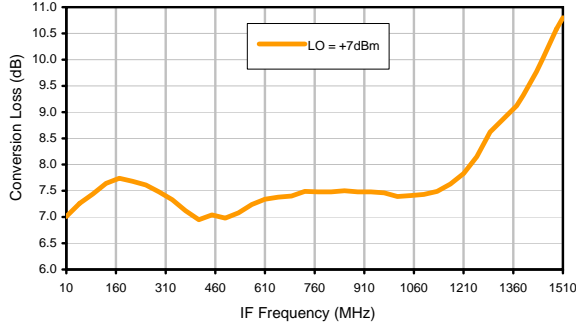
Conversion Loss vs. LO @ RF=2139.89MHz



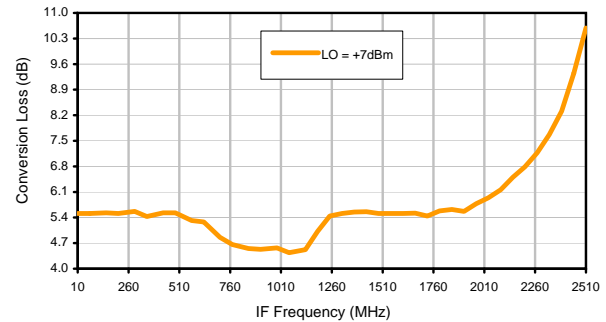
Conversion Loss vs. IF @ RF=2139.89MHz



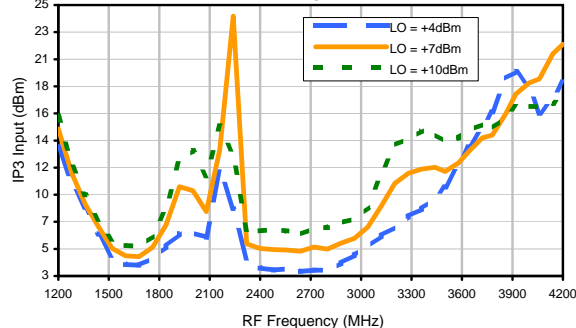
Conversion Loss vs. IF @ RF=1489.9MHz



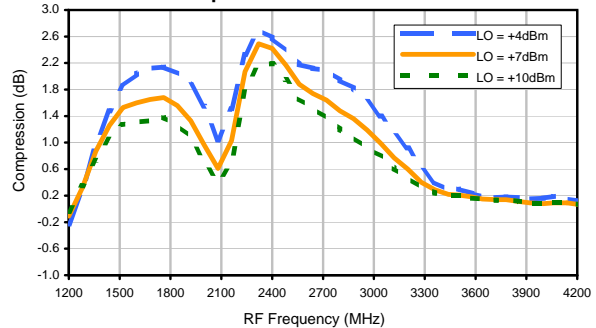
Conversion Loss vs. IF @ RF=2810.1MHz



IP3 Input

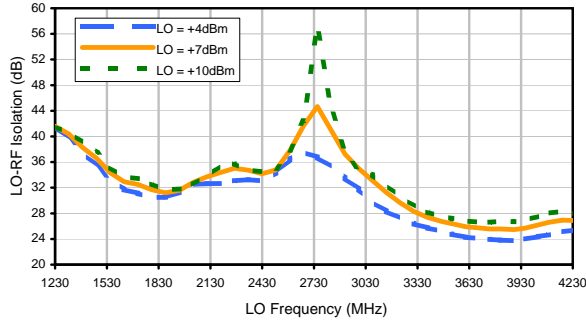


Compression @ RF IN=+1dBm

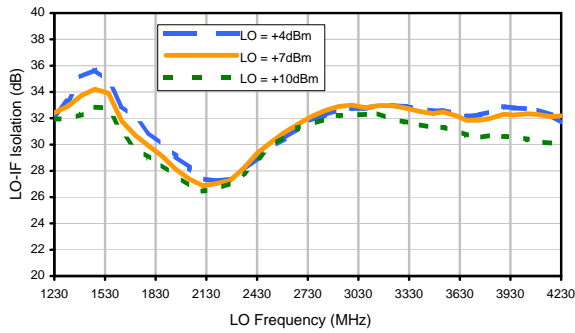


## Typical Performance Curves

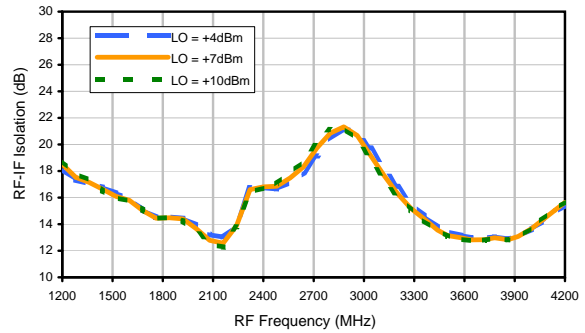
LO-RF Isolation



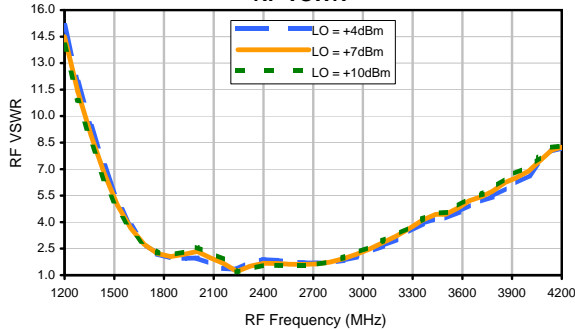
LO-IF Isolation



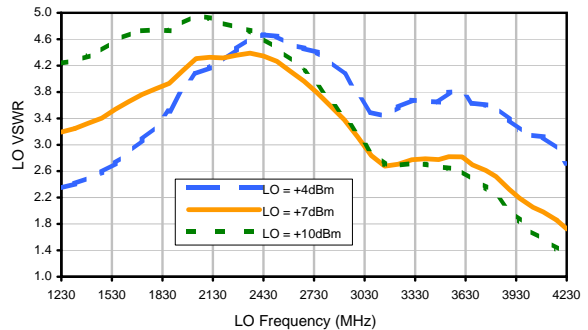
RF-IF Isolation



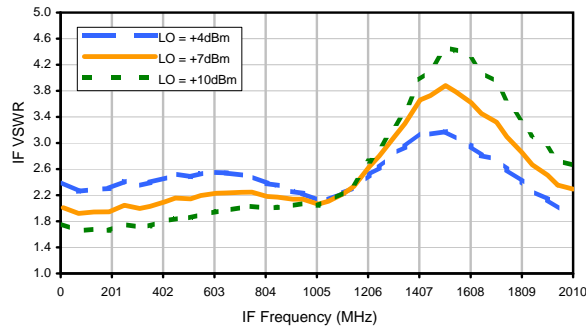
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |    |    |    |    |    |    |     |    |     |
|----|--------|--------|-----|----|----|----|----|----|----|-----|----|-----|
| 0  | -      | -      | 15  | 16 | 4  | 24 | 3  | 43 | 33 | 46  | 38 | 49  |
| 1  | -      | 22     | 0   | 37 | 19 | 43 | 40 | 45 | 49 | 59  | 49 | 59  |
| 2  | 60     | 64     | 45  | 56 | 45 | 63 | 60 | 75 | 51 | 76  | 64 | 81  |
| 3  | 65     | 78     | 75  | 73 | 62 | 77 | 71 | 83 | 77 | 80  | 85 | 83  |
| 4  | 75     | 81     | 85  | 87 | 89 | 92 | 80 | 89 | 85 | 92  | 99 | 86  |
| 5  | 73     | 92     | 92  | 94 | 86 | 83 | 89 | 90 | 89 | 89  | 87 | 87  |
| 6  | 97     | 79     | 83  | 83 | 95 | 82 | 86 | 96 | 85 | 88  | 95 | 89  |
| 7  | 111    | 80     | 88  | 92 | 89 | 92 | 84 | 86 | 98 | 93  | 88 | 84  |
| 8  | 103    | 80     | 84  | 81 | 90 | 84 | 79 | 95 | 90 | 83  | 83 | 89  |
| 9  | 100    | 76     | 100 | 86 | 83 | 93 | 91 | 89 | 84 | 100 | 86 | 111 |
| 10 | 95     | 69     | 74  | 79 | 84 | 91 | 87 | 79 | 91 | 90  | 83 | 90  |
|    | RF CAL | 0      | 1   | 2  | 3  | 4  | 5  | 6  | 7  | 8   | 9  | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; -14 dBm  
 LO IN: 2180 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -21.11 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |    |     |     |     |    |    |    |     |
|----|--------|--------|-----|-----|----|-----|-----|-----|----|----|----|-----|
| 0  | -      | -      | 5   | 26  | 14 | 33  | 15  | 57  | 46 | 61 | 48 | 63  |
| 1  | -      | 22     | 0   | 37  | 19 | 45  | 42  | 45  | 52 | 62 | 53 | 65  |
| 2  | 60     | 52     | 36  | 44  | 36 | 54  | 51  | 66  | 41 | 67 | 58 | 75  |
| 3  | 65     | 64     | 56  | 52  | 41 | 58  | 52  | 67  | 73 | 59 | 75 | 75  |
| 4  | 75     | 86     | 70  | 80  | 59 | 63  | 59  | 69  | 73 | 81 | 82 | 94  |
| 5  | 73     | 76     | 80  | 84  | 82 | 75  | 66  | 80  | 77 | 83 | 92 | 77  |
| 6  | 97     | 94     | 81  | 88  | 88 | 88  | 77  | 77  | 78 | 87 | 86 | 90  |
| 7  | 111    | 91     | 99  | 99  | 95 | 94  | 94  | 92  | 83 | 91 | 89 | 99  |
| 8  | 103    | 92     | 111 | 100 | 91 | 100 | 101 | 94  | 86 | 88 | 99 | 104 |
| 9  | 100    | 84     | 97  | 96  | 84 | 95  | 98  | 103 | 99 | 93 | 92 | 100 |
| 10 | 95     | 79     | 88  | 91  | 96 | 92  | 91  | 100 | 92 | 97 | 91 | 89  |
|    | RF CAL | 0      | 1   | 2   | 3  | 4   | 5   | 6   | 7  | 8  | 9  | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; -4 dBm  
 LO IN: 2180 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -11.11 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.