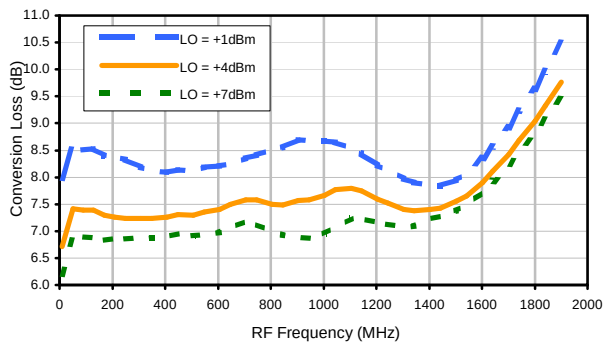
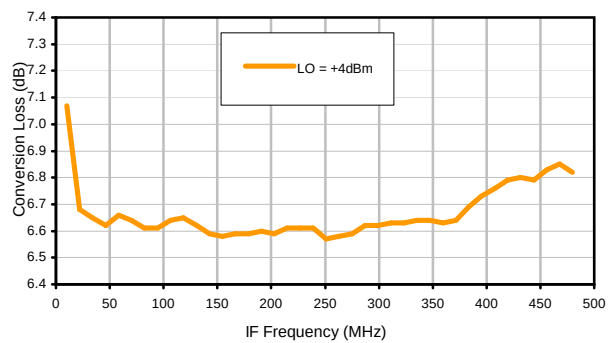


## Typical Performance Curves

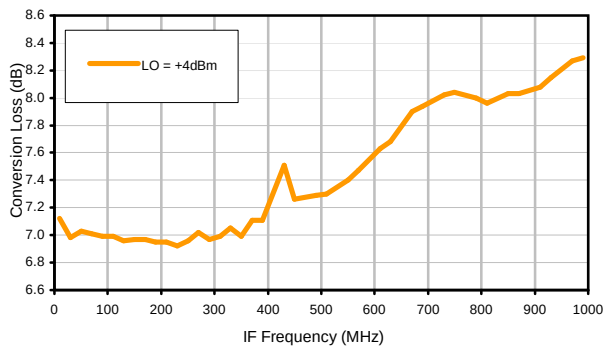
Conversion Loss @ IF=30MHz



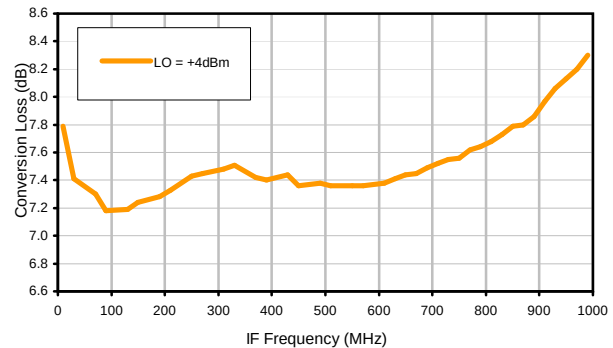
Conversion Loss vs. IF @ RF=500.1MHz



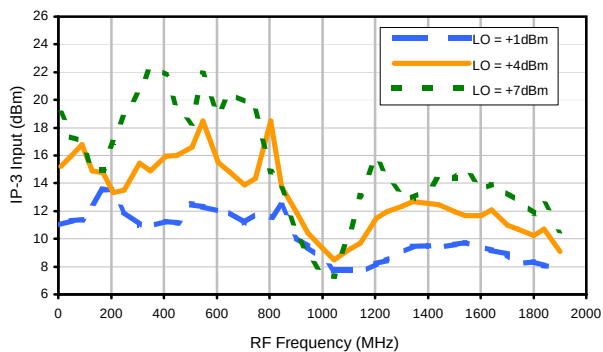
Conversion Loss vs. IF @ RF=10.1MHz



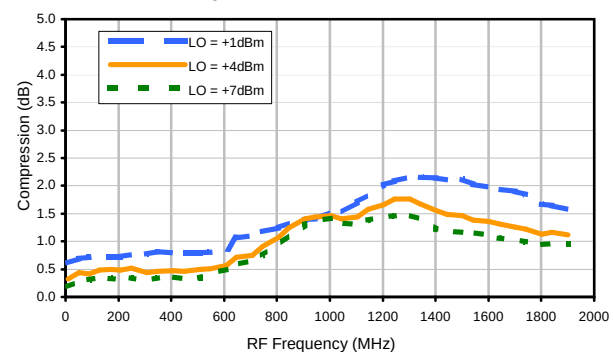
Conversion Loss vs. IF @ RF=1000.1MHz



IP-3 Input

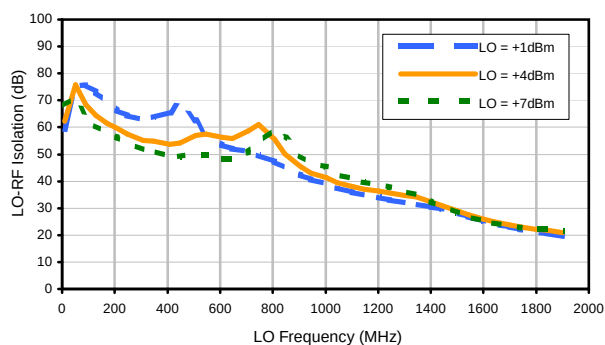


Compression @ RF IN=+1dBm

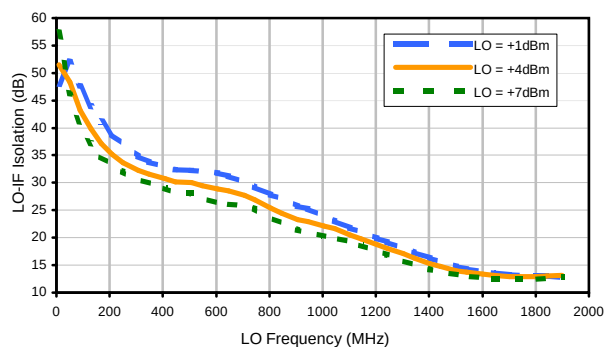


## Typical Performance Curves

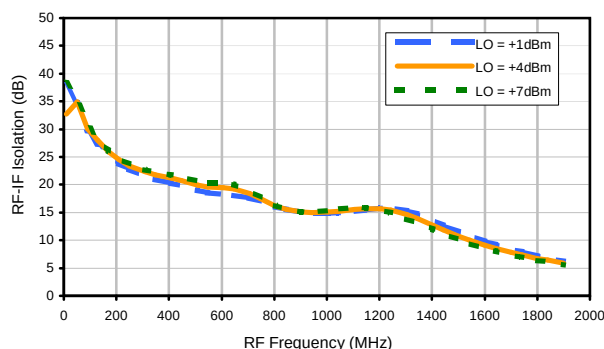
LO-RF Isolation



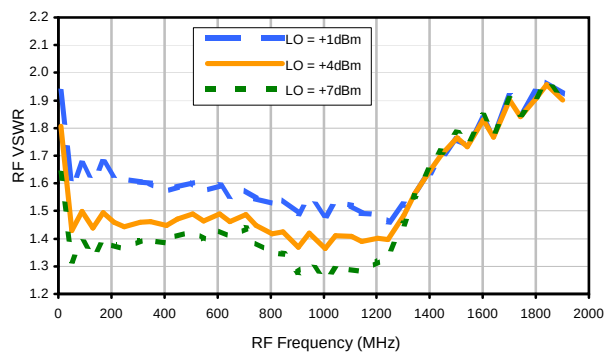
LO-IF Isolation



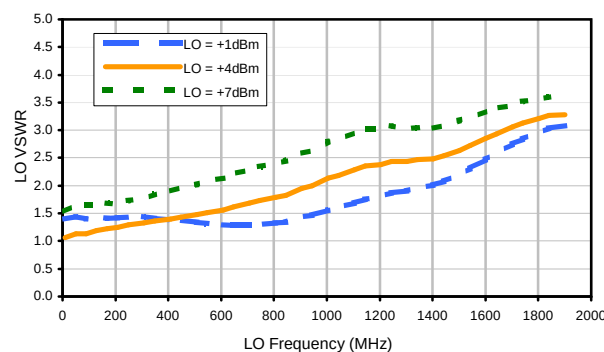
RF-IF Isolation



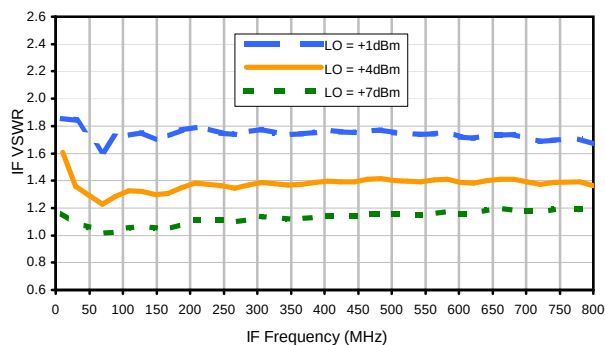
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|        |     |                                                                                                               |     |     |     |     |     |     |     |     |     |     |
|--------|-----|---------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF CAL |     | Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)<br>2. + entry denotes harmonics above IF OUTPUT (dBm) |     |     |     |     |     |     |     |     |     |     |
| (-dBm) |     |                                                                                                               |     |     |     |     |     |     |     |     |     |     |
| 0      | -   | -                                                                                                             | 4   | 19  | 9   | 30  | 21  | 45  | 37  | 58  | 56  | 61  |
| 1      | -   | 13                                                                                                            | 0   | 32  | 16  | 33  | 29  | 40  | 46  | 48  | 46  | 61  |
| 2      | 110 | 64                                                                                                            | 43  | 59  | 43  | 56  | 45  | 59  | 56  | 70  | 64  | 72  |
| 3      | 117 | 64                                                                                                            | 67  | 67  | 59  | 72  | 57  | 84  | 68  | 85  | 73  | 85  |
| 4      | 116 | 94                                                                                                            | 87  | 90  | 95  | 88  | 86  | 87  | 82  | 103 | 95  | 93  |
| 5      | 120 | 103                                                                                                           | 103 | 98  | 91  | 89  | 83  | 99  | 95  | 96  | 104 | 97  |
| 6      | 114 | 106                                                                                                           | 111 | 110 | 107 | 102 | 101 | 84  | 101 | 107 | 102 | 104 |
| 7      | 115 | 107                                                                                                           | 118 | 114 | 102 | 109 | 105 | 90  | 83  | 108 | 95  | 103 |
| 8      | 110 | 102                                                                                                           | 107 | 99  | 104 | 103 | 103 | 98  | 94  | 104 | 96  | 98  |
| 9      | 114 | 100                                                                                                           | 105 | 109 | 106 | 100 | 103 | 107 | 104 | 95  | 91  | 96  |
| 10     | 116 | 101                                                                                                           | 98  | 110 | 103 | 105 | 102 | 109 | 100 | 102 | 98  | 95  |
|        |     | 0                                                                                                             | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -14.00 dBm.  
LO IN: 530.01 MHz; +4.00 dBm  
IF OUT: 29.91 MHz; -21 dBm

RF HARMONICS ORDER

|        |     |                                                                                                               |     |     |     |     |     |     |     |     |     |     |
|--------|-----|---------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF CAL |     | Notes: 1. All Harmonics are relative to IF OUTPUT (dBm)<br>2. + entry denotes harmonics above IF OUTPUT (dBm) |     |     |     |     |     |     |     |     |     |     |
| (-dBm) |     |                                                                                                               |     |     |     |     |     |     |     |     |     |     |
| 0      | -   | -                                                                                                             | 13  | 28  | 21  | 44  | 34  | 58  | 50  | 66  | 66  | 78  |
| 1      | -   | 13                                                                                                            | 0   | 31  | 16  | 37  | 30  | 45  | 49  | 54  | 55  | 71  |
| 2      | 95  | 57                                                                                                            | 36  | 64  | 35  | 54  | 38  | 57  | 51  | 68  | 68  | 78  |
| 3      | 111 | 43                                                                                                            | 49  | 47  | 50  | 58  | 44  | 53  | 66  | 58  | 58  | 66  |
| 4      | 110 | 91                                                                                                            | 59  | 65  | 56  | 63  | 60  | 62  | 56  | 70  | 67  | 75  |
| 5      | 114 | 70                                                                                                            | 76  | 66  | 53  | 69  | 53  | 65  | 56  | 69  | 65  | 80  |
| 6      | 114 | 95                                                                                                            | 84  | 82  | 80  | 79  | 69  | 79  | 66  | 89  | 69  | 89  |
| 7      | 118 | 98                                                                                                            | 87  | 90  | 78  | 83  | 78  | 77  | 77  | 81  | 94  | 79  |
| 8      | 114 | 100                                                                                                           | 102 | 99  | 93  | 105 | 86  | 100 | 82  | 101 | 82  | 94  |
| 9      | 123 | 109                                                                                                           | 112 | 109 | 101 | 100 | 104 | 90  | 88  | 91  | 87  | 90  |
| 10     | 112 | 109                                                                                                           | 125 | 109 | 109 | 103 | 101 | 105 | 102 | 103 | 100 | 100 |
|        |     | 0                                                                                                             | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -4.00 dBm.  
LO IN: 530.01 MHz; +4.00 dBm  
IF OUT: 29.91 MHz; -10.96 dBm