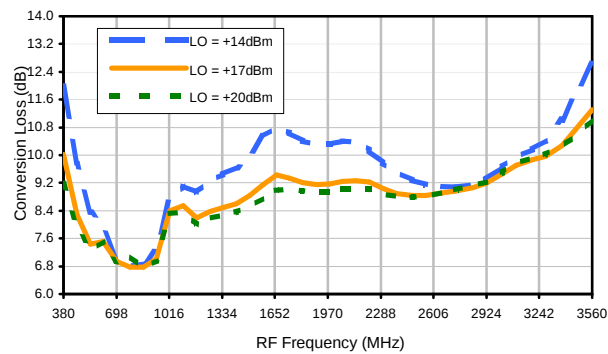
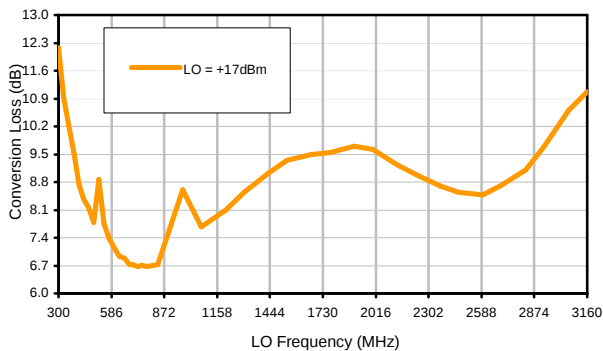


## Typical Performance Curves

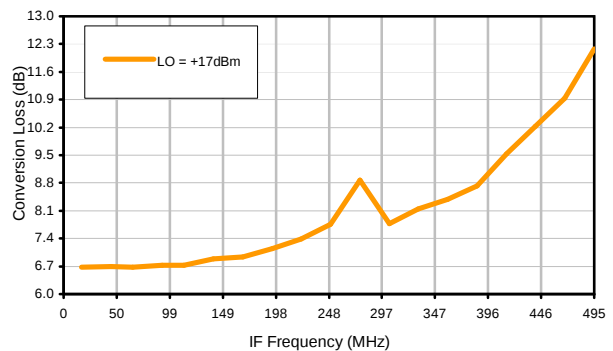
Conversion Loss @ IF=70MHz



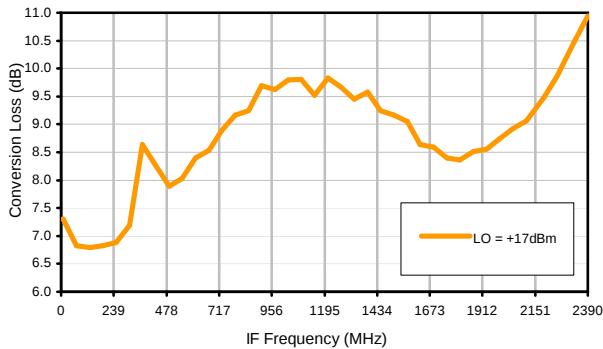
Conversion Loss vs. LO @ RF=795.1MHz



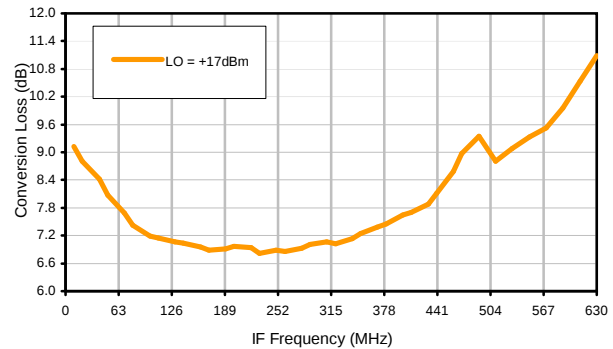
Conversion Loss vs. IF @ RF=795.1MHz



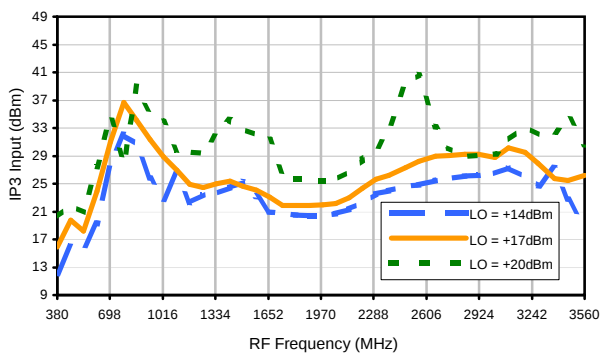
Conversion Loss vs. IF @ RF=595.1MHz



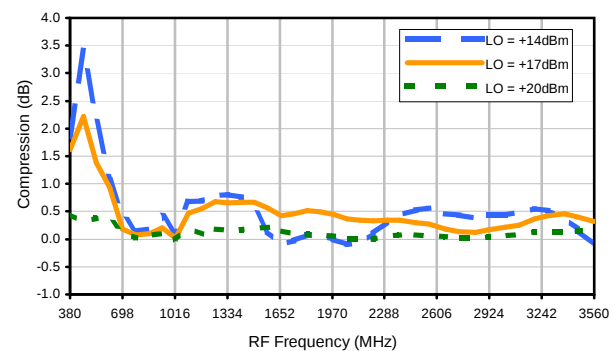
Conversion Loss vs. IF @ RF=995.1MHz



IP3 Input

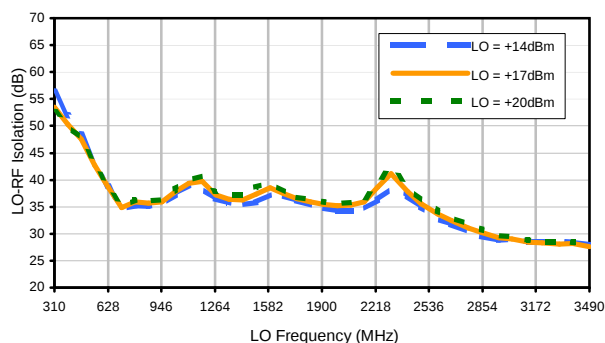


Compression @ RF IN=+15dBm

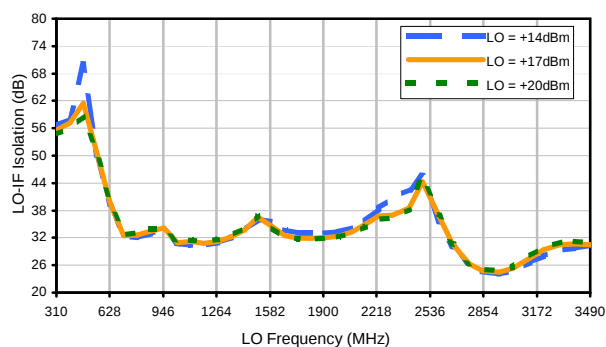


## Typical Performance Curves

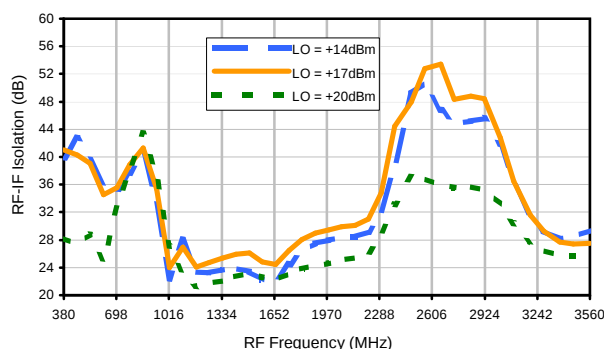
LO-RF Isolation



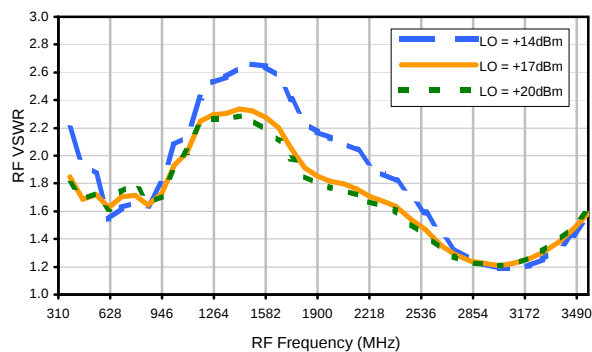
LO-IF Isolation



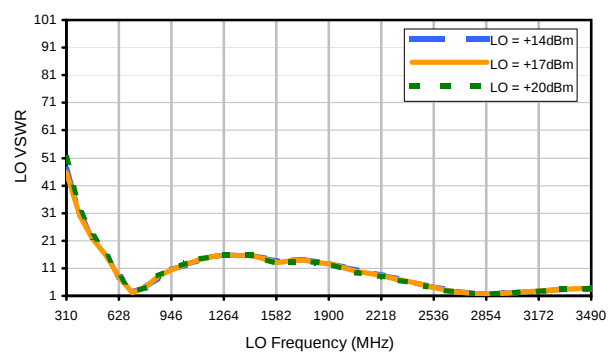
RF-IF Isolation



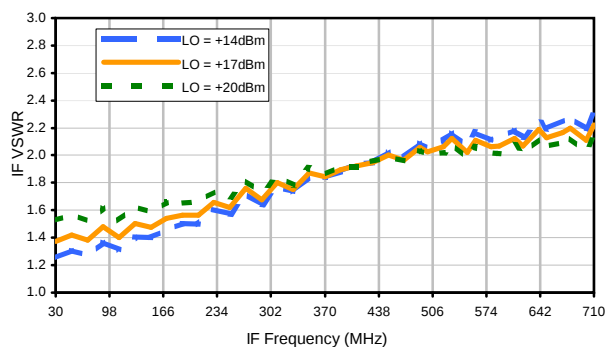
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|        | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|--------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0      | -      | -      | 9   | 10  | 28  | 18  | 32  | 41  | 44  | 47  | 49  | 50  |
| 1      | -      | 33     | +0  | 48  | 14  | 47  | 25  | 52  | 46  | 54  | 43  | 55  |
| 2      | 66     | 56     | 64  | 61  | 69  | 64  | 69  | 68  | 69  | 65  | 71  | 74  |
| 3      | >100   | 81     | 78  | 77  | 77  | 78  | 83  | 78  | >93 | 88  | 92  | 87  |
| 4      | >100   | >93    | >93 | 92  | >93 | 91  | 92  | >93 | 93  | >93 | >93 | >93 |
| 5      | >100   | >93    | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
| 6      | >100   | >93    | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
| 7      | >100   | >93    | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
| 8      | >100   | >93    | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
| 9      | >100   | >93    | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
| 10     | >100   | >93    | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 | >93 |
| RF CAL | 0      | 1      | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |     |

### LO HARMONICS ORDER

Test conditions: RF IN: 795.1 MHz; 0.00 dBm.  
LO IN: 725.1 MHz; +17.00 dBm  
IF OUT: 70 MHz; -6.94 dBm

RF HARMONICS ORDER

|        | (-dBm) | (-dBc) |      |      |      |      |      |      |      |      |      |      |
|--------|--------|--------|------|------|------|------|------|------|------|------|------|------|
| 0      | -      | -      | 19   | 20   | 37   | 28   | 43   | 49   | 60   | 54   | 60   | 59   |
| 1      | -      | 32     | +0   | 52   | 14   | 67   | 25   | 50   | 49   | 54   | 42   | 53   |
| 2      | 47     | 46     | 55   | 51   | 57   | 55   | 56   | 59   | 58   | 58   | 59   | 66   |
| 3      | 75     | 69     | 54   | 65   | 53   | 67   | 55   | 67   | 60   | 74   | 70   | 72   |
| 4      | >100   | 91     | 99   | 89   | 90   | 86   | 99   | 86   | 89   | 90   | 92   | 83   |
| 5      | >100   | 85     | 85   | 85   | 80   | 86   | 80   | 82   | 83   | 79   | 87   | 85   |
| 6      | >100   | 99     | >103 | 103  | 98   | 98   | 98   | 100  | 96   | 99   | 96   | 102  |
| 7      | >100   | 99     | 93   | 99   | 92   | 100  | 87   | 98   | 88   | >103 | 89   | 95   |
| 8      | >100   | >103   | >103 | >103 | >103 | >103 | >103 | 101  | 101  | 103  | 102  | >103 |
| 9      | >100   | >103   | >103 | >103 | >103 | >103 | >103 | >103 | >103 | >103 | >103 | >103 |
| 10     | >100   | >103   | >103 | >103 | >103 | >103 | >103 | >103 | >103 | >103 | >103 | >103 |
| RF CAL | 0      | 1      | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |      |

### LO HARMONICS ORDER

Test conditions: RF IN: 795.1 MHz; 10.00 dBm.  
LO IN: 725.1 MHz; +17.00 dBm  
IF OUT: 70 MHz; 3 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.