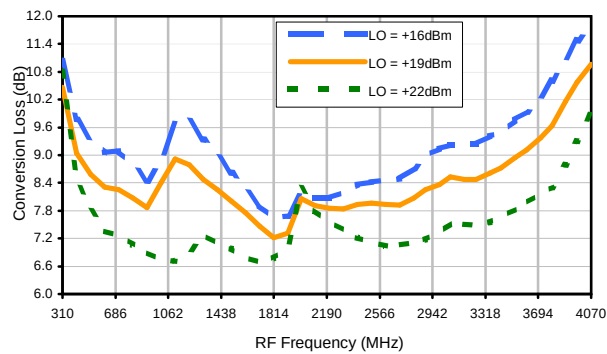
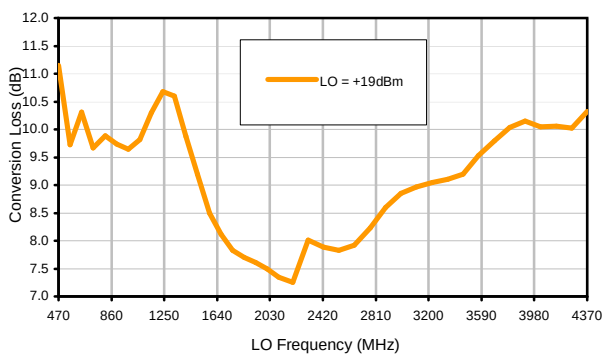


## Typical Performance Curves

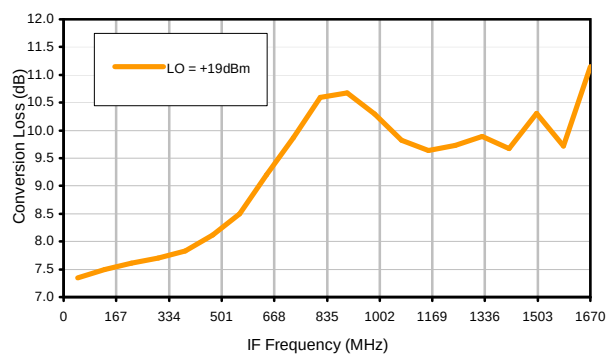
Conversion Loss @ IF=326MHz



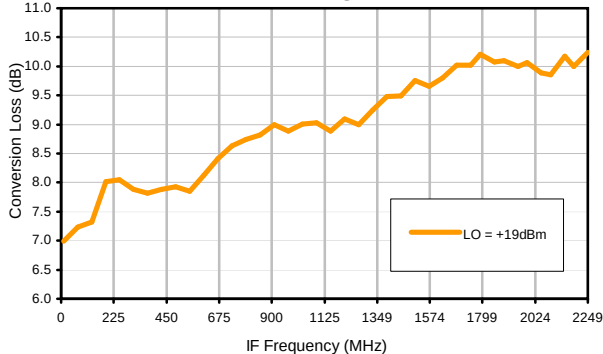
Conversion Loss vs. LO @ RF=2140.1001MHz



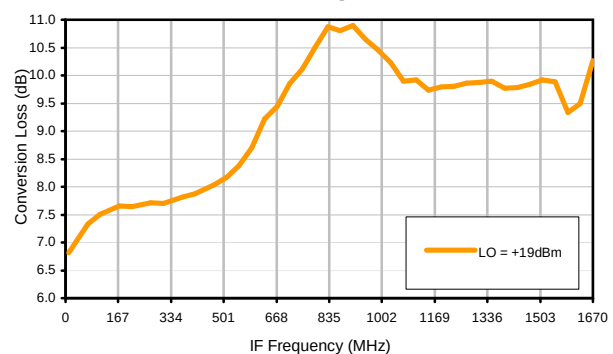
Conversion Loss vs. IF @ RF=2140.1001MHz



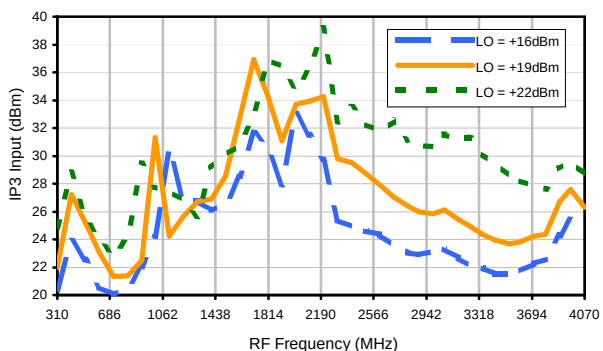
Conversion Loss vs. IF @ RF=2110.1001MHz



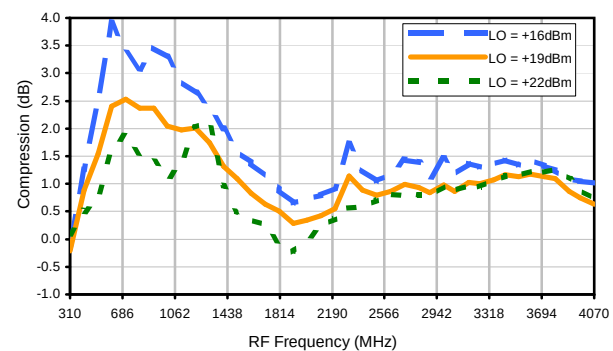
Conversion Loss vs. IF @ RF=2170.1001MHz



IP3 Input

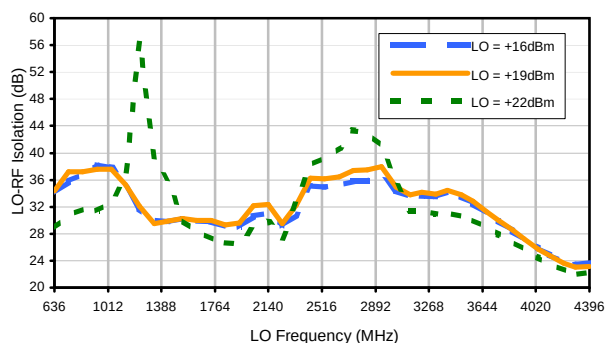


Compression @ RF IN=+20dBm

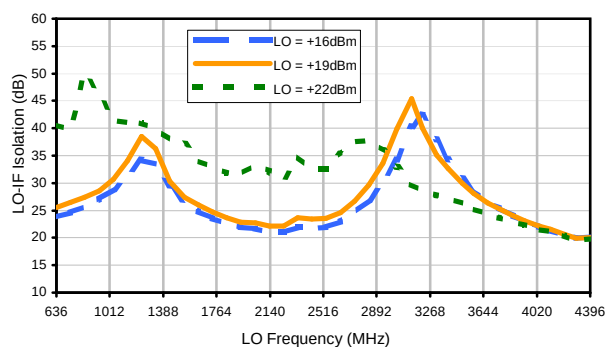


## Typical Performance Curves

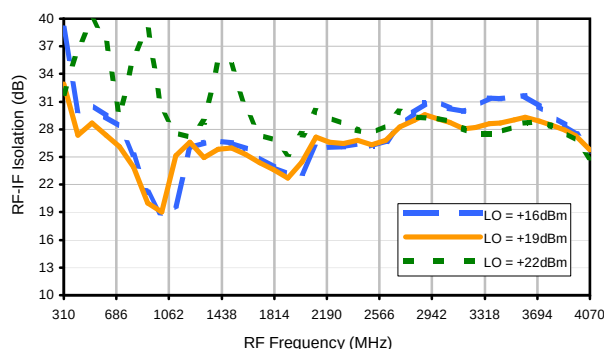
LO-RF Isolation



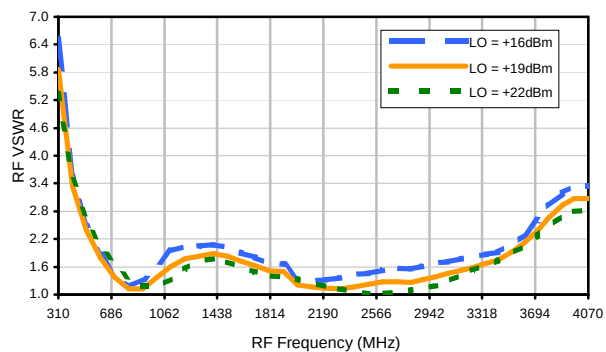
LO-IF Isolation



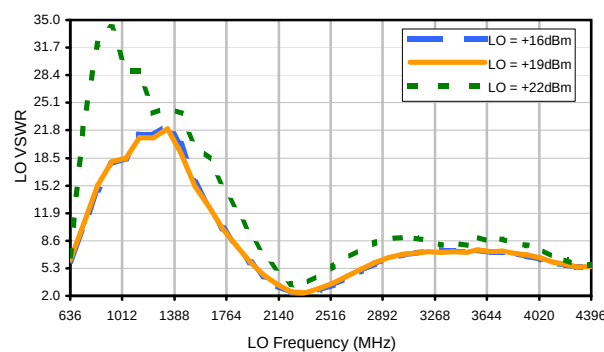
RF-IF Isolation



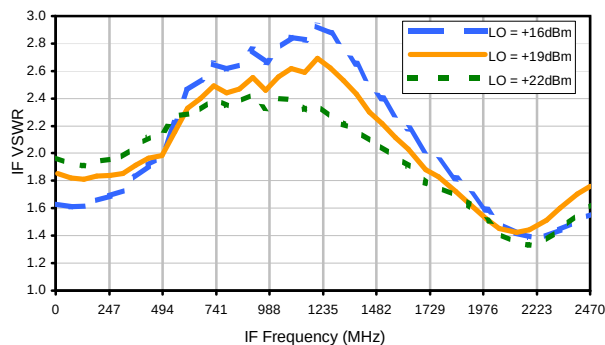
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|        | (-dBm) | (dBc) |     |     |     |     |     |     |     |     |     |     |
|--------|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0      | -      | -     | 1   | 19  | 23  | 33  | 19  | 44  | 39  | 76  | 62  | --- |
| 1      | -      | 17    | +0  | 23  | 17  | 31  | 34  | 35  | 42  | 41  | 63  | 79  |
| 2      | 48     | 48    | 42  | 45  | 45  | 47  | 54  | 54  | 65  | 66  | 75  | 83  |
| 3      | 80     | 71    | 59  | 57  | 50  | 57  | 53  | 63  | 63  | 80  | 69  | >87 |
| 4      | >90    | 82    | 74  | 80  | 76  | 76  | 75  | 71  | 82  | 75  | 85  | 85  |
| 5      | >90    | >87   | >87 | 80  | >87 | 78  | 80  | 82  | 78  | >87 | 86  | >87 |
| 6      | >90    | >87   | >87 | >87 | >87 | >87 | >87 | 86  | >87 | >87 | >87 | >87 |
| 7      | >90    | >87   | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 |
| 8      | >90    | >87   | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 |
| 9      | >90    | >87   | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 |
| 10     | >90    | >87   | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 | >87 |
| RF CAL | 0      | 1     | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |     |

### LO HARMONICS ORDER

Test conditions:

RF IN: 2140.1 MHz; 5.00 dBm.  
LO IN: 2466.1 MHz; +19.00 dBm  
IF OUT: 326 MHz; -3.19 dBm

RF HARMONICS ORDER

|        | (-dBm) | (dBc) |     |     |     |     |     |    |    |    |    |     |
|--------|--------|-------|-----|-----|-----|-----|-----|----|----|----|----|-----|
| 0      | -      | -     | 10  | 27  | 40  | 43  | 32  | 57 | 50 | 75 | 75 | --- |
| 1      | -      | 17    | +0  | 23  | 19  | 32  | 36  | 38 | 47 | 44 | 71 | 82  |
| 2      | 28     | 39    | 33  | 36  | 37  | 39  | 49  | 50 | 74 | 62 | 79 | 80  |
| 3      | 51     | 51    | 40  | 42  | 33  | 45  | 37  | 50 | 50 | 61 | 59 | 76  |
| 4      | 72     | 60    | 58  | 56  | 50  | 53  | 52  | 49 | 63 | 60 | 67 | 73  |
| 5      | >90    | 68    | 71  | 60  | 65  | 56  | 58  | 58 | 60 | 65 | 64 | 73  |
| 6      | 89     | 79    | 84  | 80  | 70  | 87  | 67  | 66 | 67 | 67 | 79 | 70  |
| 7      | >90    | 83    | 78  | 77  | 84  | 70  | 77  | 67 | 70 | 70 | 74 | 77  |
| 8      | >90    | 96    | 92  | >97 | 87  | >97 | >97 | 82 | 88 | 76 | 78 | 82  |
| 9      | >90    | >97   | >97 | 88  | >97 | 82  | 87  | 78 | 76 | 72 | 77 | 78  |
| 10     | >90    | >97   | >97 | 95  | >97 | 96  | 90  | 90 | 93 | 89 | 91 | 90  |
| RF CAL | 0      | 1     | 2   | 3   | 4   | 5   | 6   | 7  | 8  | 9  | 10 |     |

### LO HARMONICS ORDER

Test conditions:

RF IN: 2140.1 MHz; 15.00 dBm.  
LO IN: 2466.1 MHz; +19.00 dBm  
IF OUT: 326 MHz; 6.53 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.