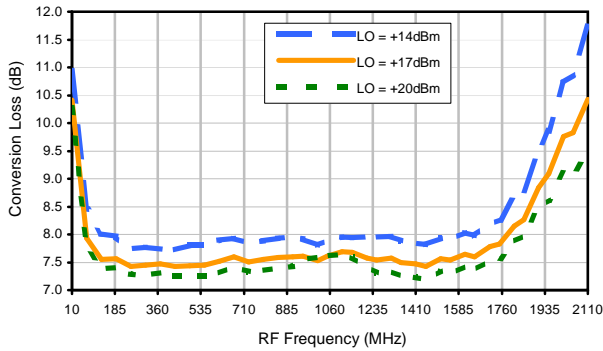
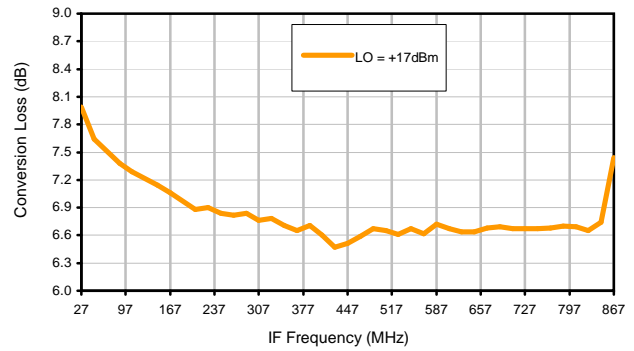


## Typical Performance Curves

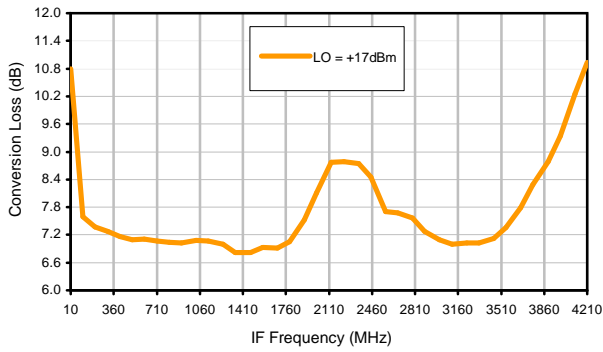
Conversion Loss @ IF=60MHz



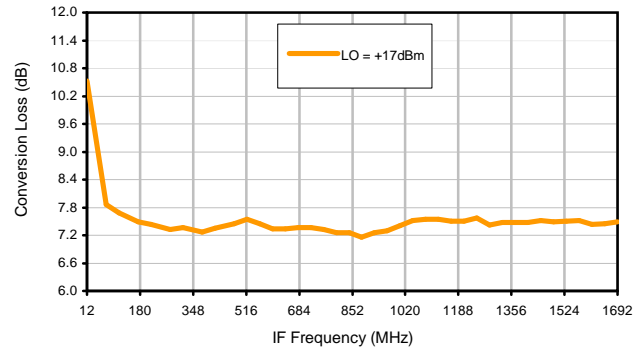
Conversion Loss vs. IF @ RF=877.1MHz



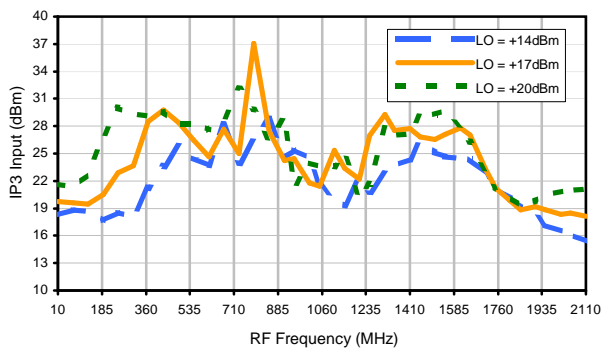
Conversion Loss vs. IF @ RF=89.9MHz



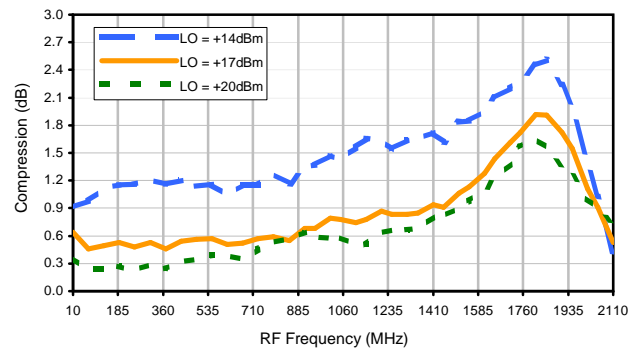
Conversion Loss vs. IF @ RF=1719.1MHz



IP3 Input

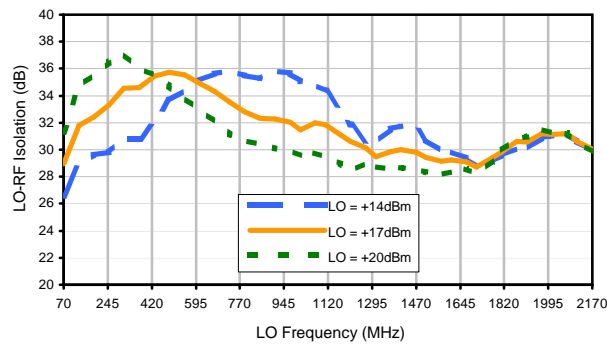


Compression @ RF IN=+14dBm

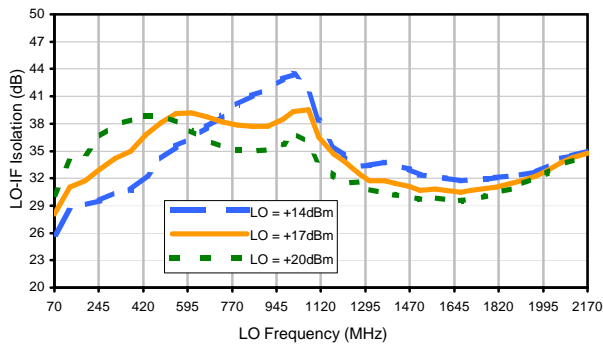


## Typical Performance Curves

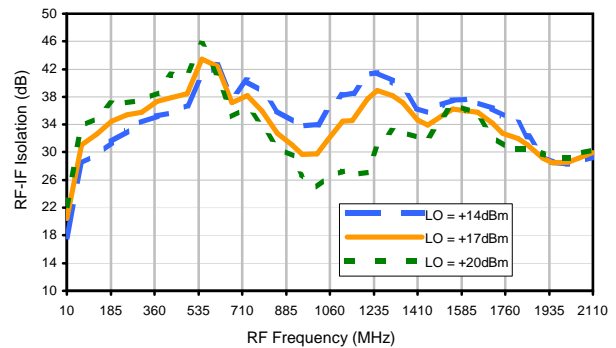
### LO-RF Isolation



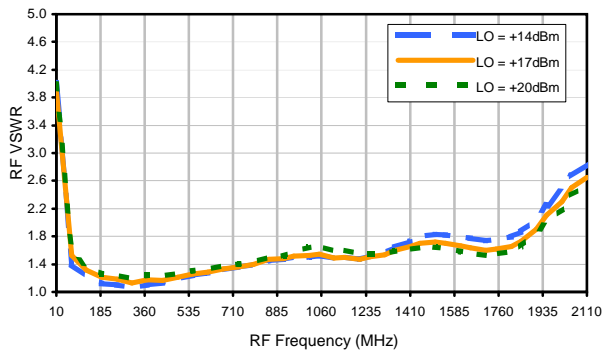
### LO-IF Isolation



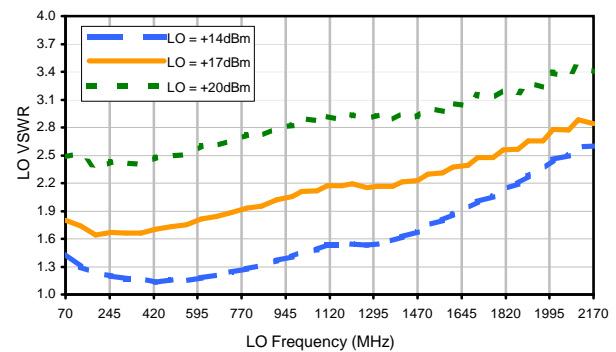
### RF-IF Isolation



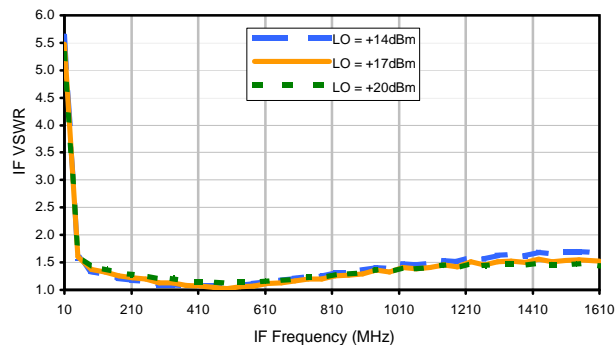
### RF VSWR



### LO VSWR



### IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |     |     |     |     |     |     |     |     |     |     |
|----|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | -      | -      | 13  | 9   | 23  | 17  | 25  | 25  | 38  | 35  | 35  | 52  |
| 1  | -      | 23     | +0  | 26  | 12  | 39  | 25  | 39  | 31  | 47  | 44  | 47  |
| 2  | 64     | 55     | 45  | 61  | 44  | 56  | 50  | 46  | 43  | 53  | 57  | 58  |
| 3  | >90    | 56     | 58  | 55  | 62  | 56  | 61  | 60  | 53  | 57  | 68  | 68  |
| 4  | >90    | 74     | 73  | 73  | 70  | 73  | 67  | 75  | 72  | 73  | 64  | 78  |
| 5  | >90    | >81    | >81 | >81 | >81 | 80  | 81  | 80  | >81 | >81 | 80  | 78  |
| 6  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 7  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 8  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 9  | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
| 10 | >90    | >81    | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 | >81 |
|    | RF CAL | 0      | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

### LO HARMONICS ORDER

Test conditions: RF IN: 900 MHz; -1.00 dBm.  
 LO IN: 960 MHz; +17.00 dBm  
 IF OUT: 60 MHz; -8.65 dBm

RF HARMONICS ORDER

|    | (-dBm) | (-dBc) |    |    |    |    |    |    |    |    |    |    |
|----|--------|--------|----|----|----|----|----|----|----|----|----|----|
| 0  | -      | -      | 25 | 19 | 36 | 32 | 37 | 42 | 52 | 54 | 50 | 46 |
| 1  | -      | 26     | +0 | 30 | 12 | 46 | 29 | 45 | 39 | 54 | 50 | 56 |
| 2  | 44     | 51     | 35 | 50 | 37 | 56 | 41 | 44 | 45 | 53 | 63 | 55 |
| 3  | 69     | 51     | 40 | 47 | 41 | 45 | 44 | 55 | 40 | 54 | 53 | 70 |
| 4  | >90    | 68     | 62 | 60 | 61 | 57 | 53 | 59 | 51 | 59 | 50 | 65 |
| 5  | >90    | 56     | 54 | 58 | 54 | 57 | 57 | 55 | 57 | 63 | 54 | 63 |
| 6  | >90    | 67     | 63 | 67 | 61 | 69 | 71 | 64 | 60 | 66 | 62 | 65 |
| 7  | >90    | 70     | 77 | 76 | 72 | 69 | 67 | 73 | 66 | 61 | 71 | 62 |
| 8  | >90    | 80     | 88 | 67 | 66 | 74 | 66 | 88 | 76 | 75 | 88 | 66 |
| 9  | >90    | 75     | 72 | 77 | 67 | 70 | 62 | 71 | 61 | 66 | 72 | 66 |
| 10 | >90    | 63     | 75 | 66 | 79 | 58 | 65 | 62 | 66 | 60 | 64 | 71 |
|    | RF CAL | 0      | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |

### LO HARMONICS ORDER

Test conditions: RF IN: 900 MHz; 9.00 dBm.  
 LO IN: 960 MHz; +17.00 dBm  
 IF OUT: 60 MHz; 1.31 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. X3  
 ADE-17H  
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 Page 3 of 3



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