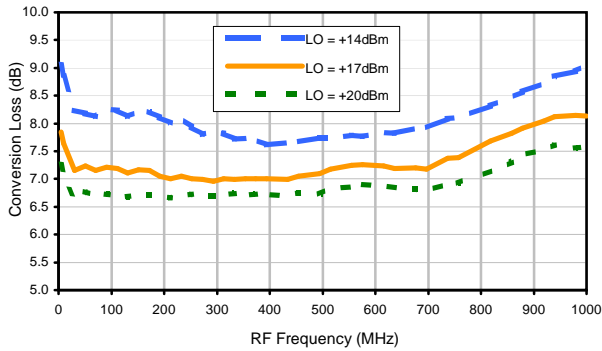
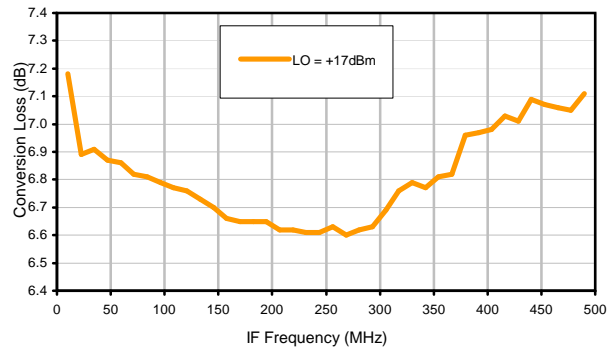


## Typical Performance Curves

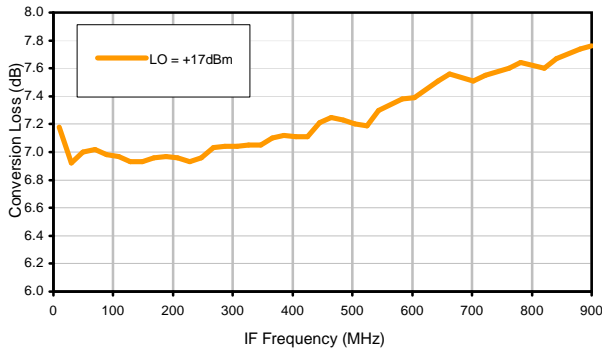
Conversion Loss @ IF=30MHz



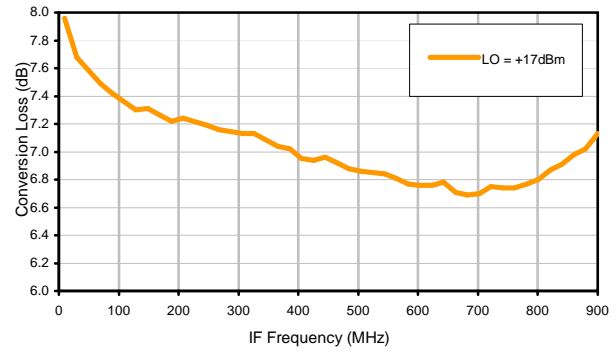
Conversion Loss vs. IF @ RF=500.1MHz



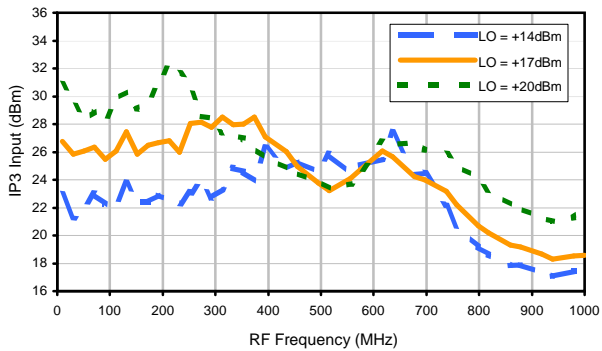
Conversion Loss vs. IF @ RF=10.1MHz



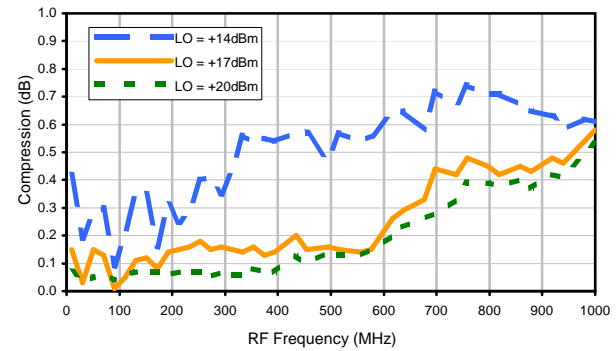
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input

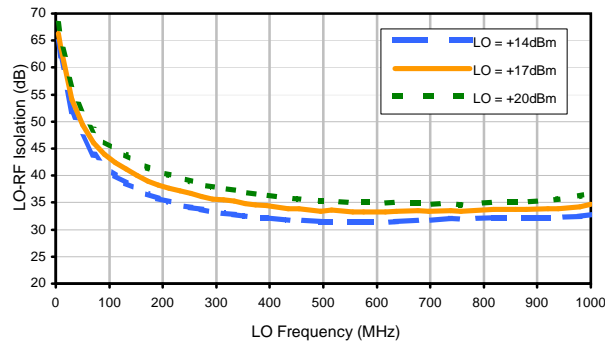


Compression @ RF IN=+14dBm

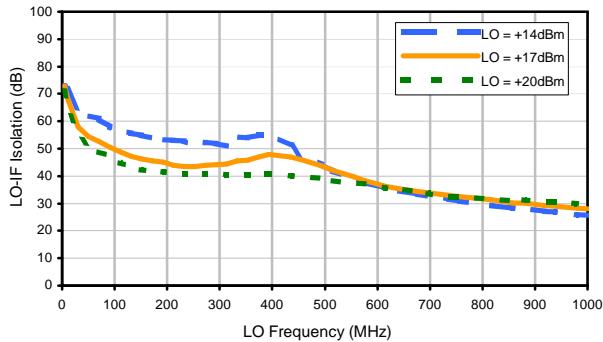


## Typical Performance Curves

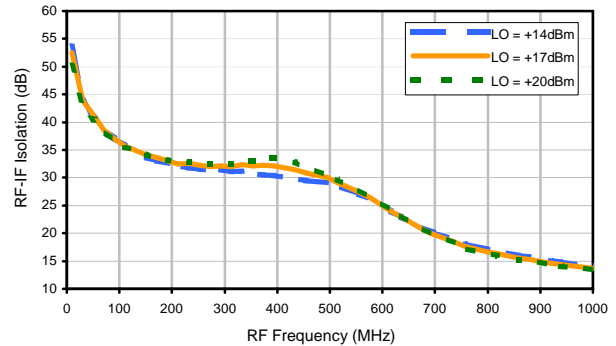
### LO-RF Isolation



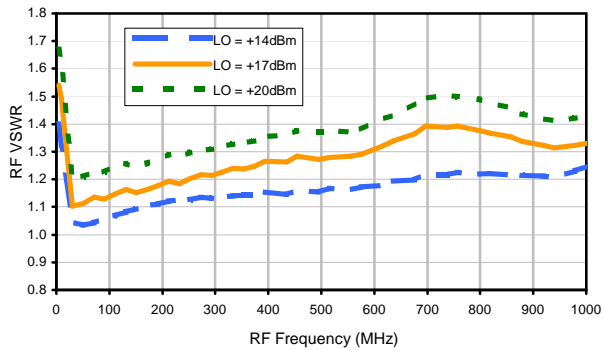
### LO-IF Isolation



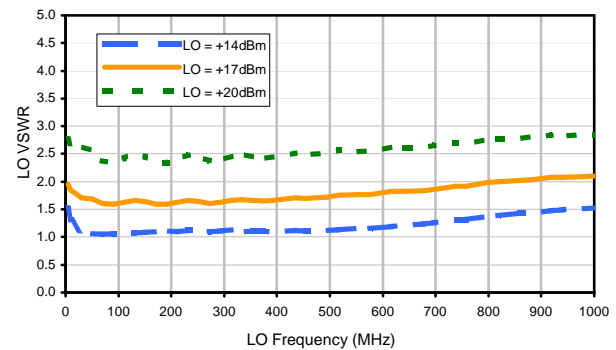
### RF-IF Isolation



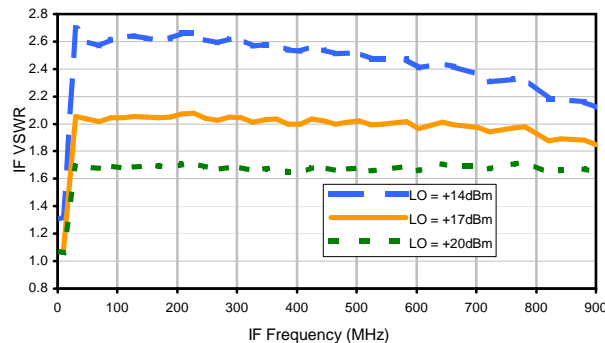
### RF VSWR



### LO VSWR



### IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	21	8	23	16	33	36	51	33	44
1	-	22	+0	30	14	33	31	34	34	39	35	46
2	90	49	41	49	43	52	42	53	54	58	57	59
3	>100	69	56	68	55	68	50	67	52	83	59	77
4	>100	76	74	85	79	77	74	74	69	72	73	81
5	>100	>92	>92	86	90	91	76	85	77	86	78	>92
6	>100	>92	>92	>92	91	>92	86	84	85	>92	85	91
7	>100	>92	>92	>92	>92	>92	>92	>92	91	>92	>92	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
9	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -1.00 dBm.  
 LO IN: 530.01 MHz; +17.00 dBm  
 IF OUT: 29.91 MHz; -8.17 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	36	22	41	31	45	46	56	45	65
1	-	23	+0	30	14	35	27	37	41	45	42	49
2	78	44	37	43	36	49	35	47	43	71	59	65
3	>100	56	40	59	42	60	36	52	42	55	48	56
4	>100	57	53	59	53	64	54	59	52	70	70	61
5	>100	71	58	66	53	70	52	65	49	74	52	68
6	>100	78	67	73	70	71	68	67	61	65	57	65
7	>100	83	85	91	73	78	72	81	65	76	62	89
8	>100	99	95	92	>102	81	80	78	73	74	69	73
9	>100	93	101	97	89	91	76	81	75	85	75	81
10	>100	98	>102	>102	>102	97	87	81	81	82	77	81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; 9.00 dBm.  
 LO IN: 530.01 MHz; +17.00 dBm  
 IF OUT: 29.91 MHz; 1.87 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. X2  
 RMS-2H+  
 100818  
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