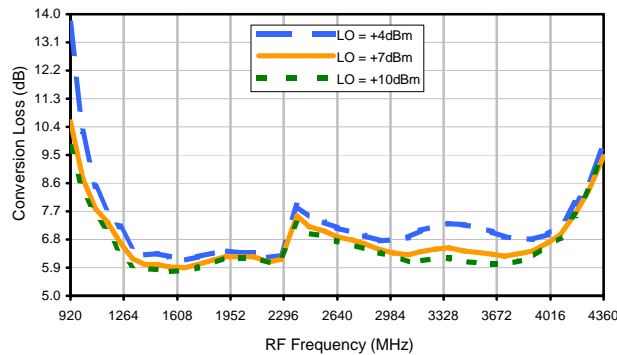
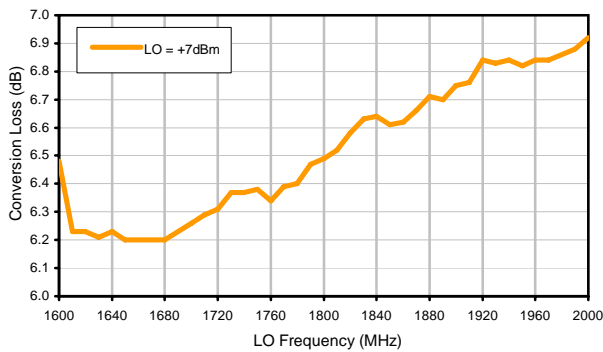


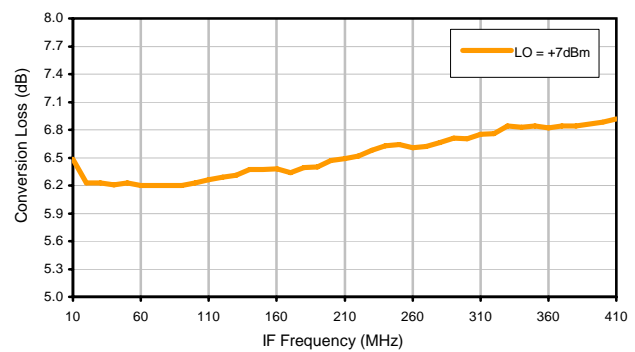
Conversion Loss @ IF=30MHz



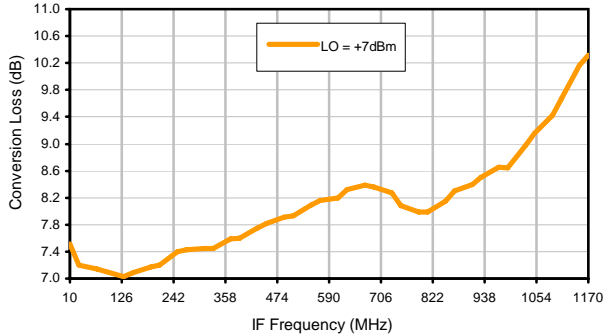
Conversion Loss vs. LO @ RF=1589.9MHz



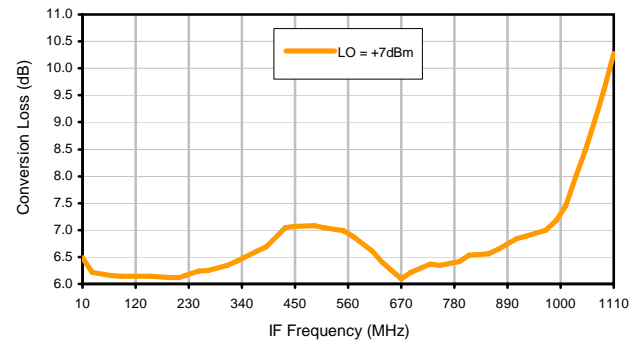
Conversion Loss vs. IF @ RF=1589.9MHz



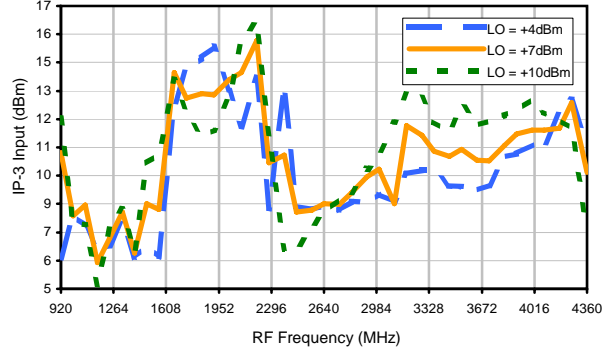
Conversion Loss vs. IF @ RF=1189.9MHz



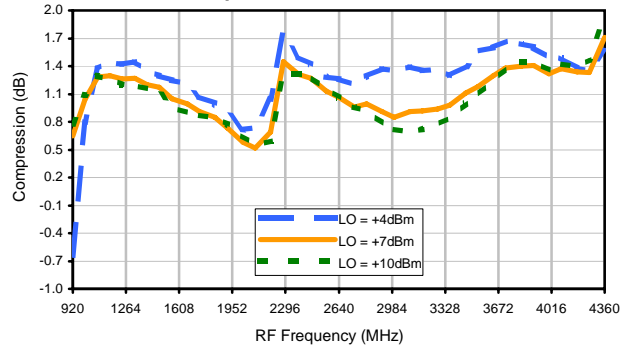
Conversion Loss vs. IF @ RF=2010.1MHz



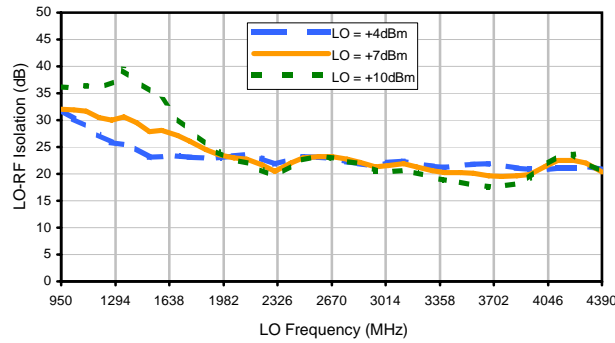
IP-3 Input



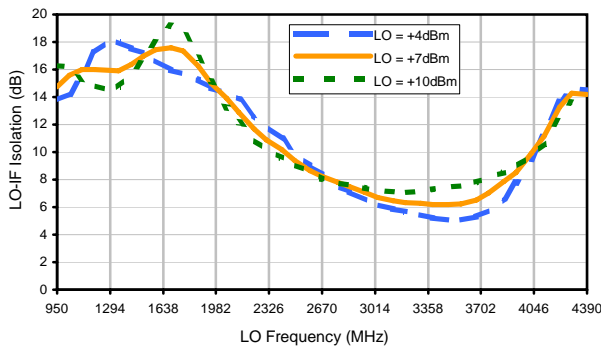
Compression @ RF IN=+1dBm



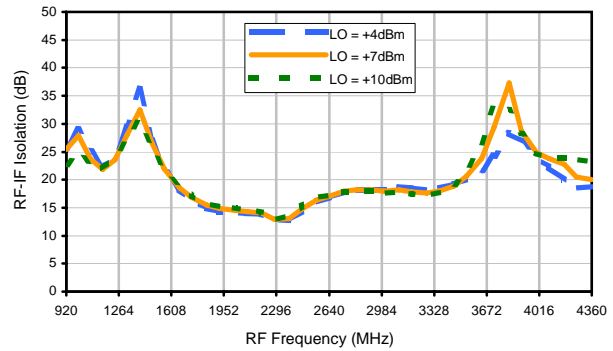
**LO-RF Isolation**



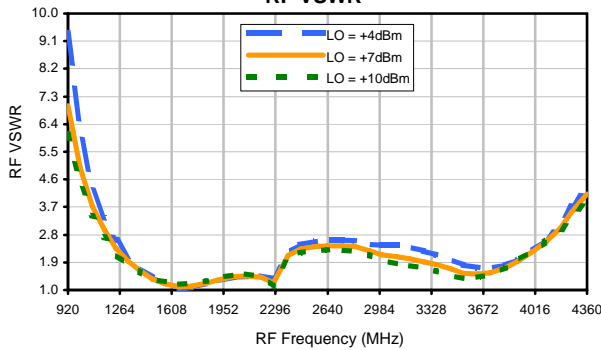
**LO-IF Isolation**



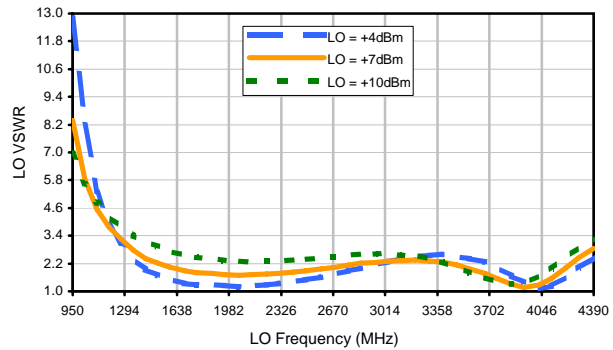
**RF-IF Isolation**



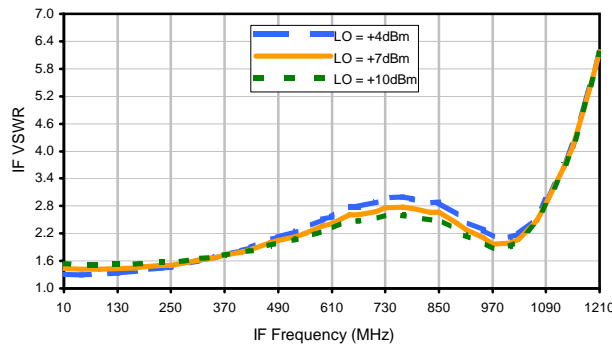
**RF VSWR**



**LO VSWR**



**IF VSWR**



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	7	9	12	19	30	33	41	47	34
1	-	15	0	37	15	41	29	51	33	42	42	61
2	31	49	63	37	47	50	45	52	58	62	52	65
3	34	73	61	77	55	71	59	68	69	74	62	66
4	55	81	88	83	86	76	86	84	85	92	81	83
5	62	96	87	88	87	84	83	87	88	91	93	90
6	67	95	87	83	83	96	84	87	87	88	85	82
7	73	94	83	89	86	85	94	85	89	88	91	90
8	71	87	78	94	80	87	87	102	91	88	94	90
9	76	77	90	86	85	84	100	90	85	100	98	90
10	86	89	78	80	91	91	91	87	88	93	85	92
		0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 1600 MHz; -14.00 dBm.  
 LO IN: 1630 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -20.14 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	0	18	21	24	30	41	52	61	54	57
1	-	15	0	40	17	41	31	60	39	48	49	67
2	31	36	58	30	41	39	40	41	52	54	50	56
3	34	48	40	66	41	49	45	51	54	60	52	58
4	55	64	55	53	71	45	53	58	56	56	67	58
5	62	84	78	69	66	71	58	67	61	61	73	66
6	67	82	96	78	77	73	88	66	71	64	70	72
7	73	93	93	106	91	85	94	89	73	84	69	74
8	71	90	91	92	92	93	97	98	88	88	84	75
9	76	87	106	95	97	96	95	98	104	94	86	94
10	86	97	95	102	117	95	95	118	101	93	97	94
		0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 1600 MHz; -4.00 dBm.  
 LO IN: 1630 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -10.22 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.