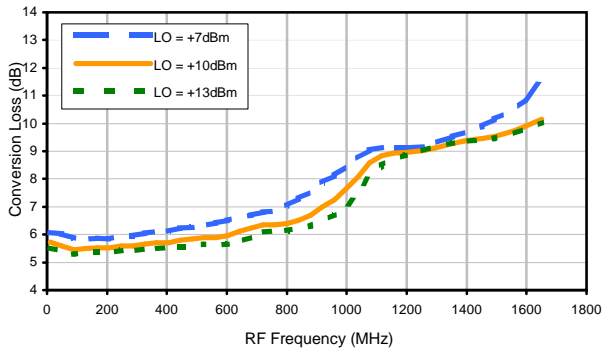


Frequency Mixer

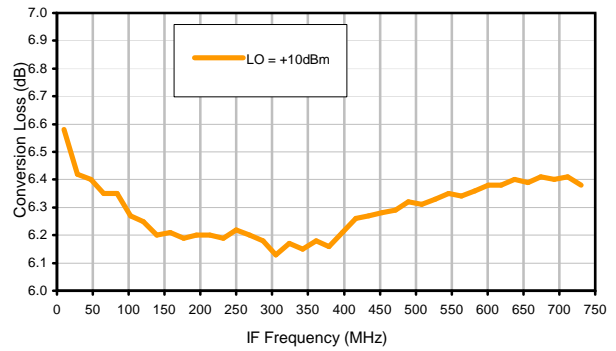
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Typical Performance Curves

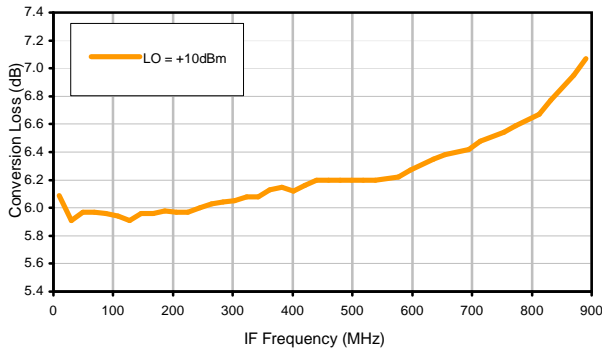
Conversion Loss @ IF=30MHz



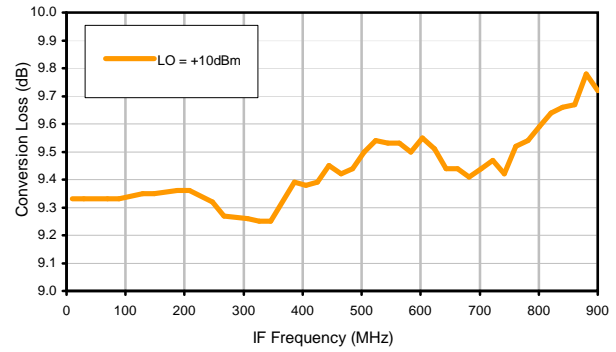
Conversion Loss vs. IF @ RF=750.1MHz



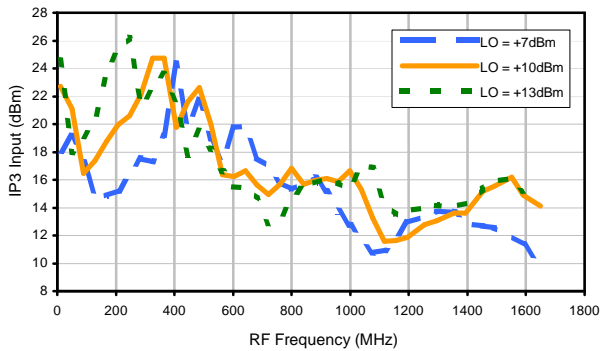
Conversion Loss vs. IF @ RF=10.1MHz



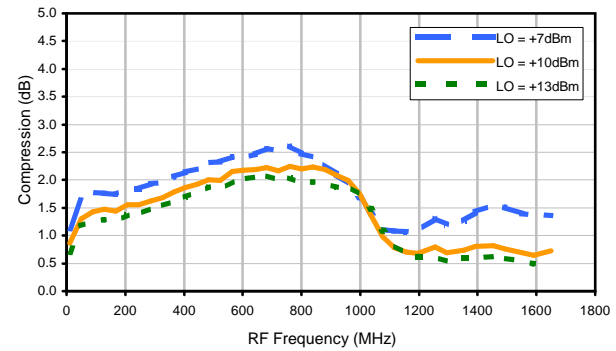
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input

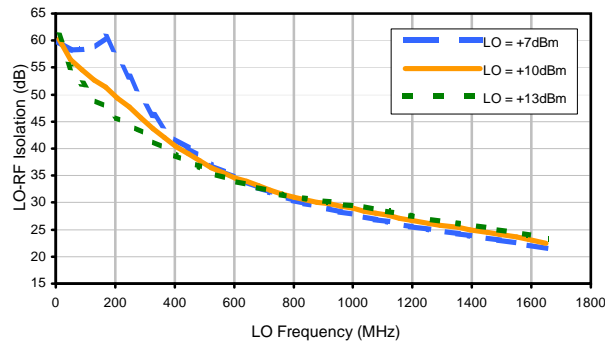


Compression @ RF IN=+5dBm

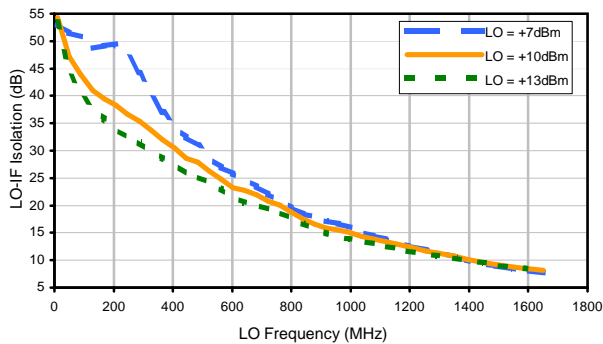


Typical Performance Curves

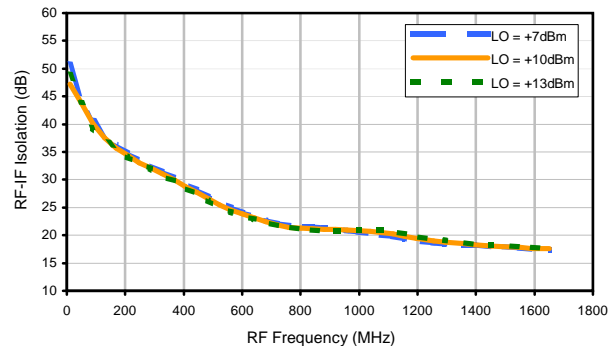
LO-RF Isolation



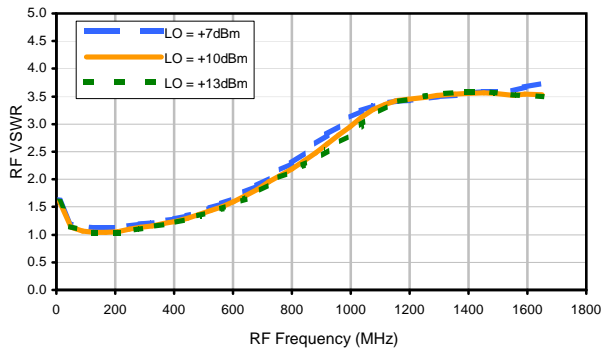
LO-IF Isolation



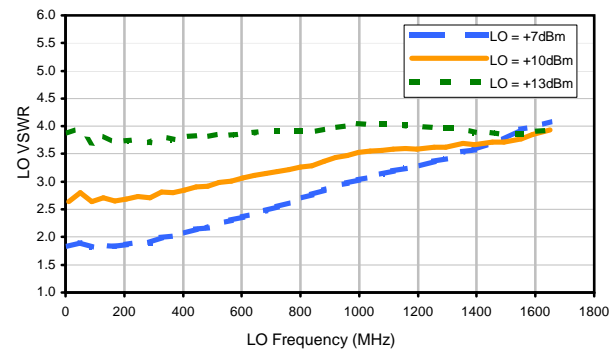
RF-IF Isolation



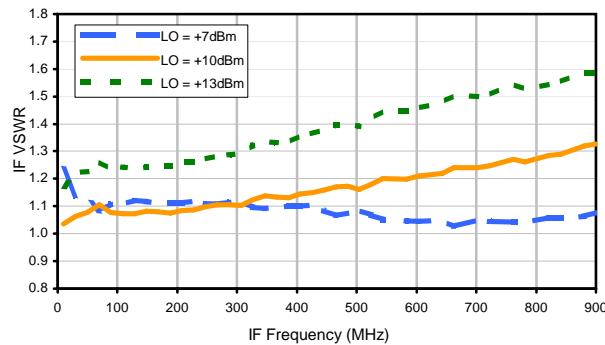
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	24	23	48	22	50	40	59	53	67
1	-	15	+0	41	19	48	38	57	40	59	49	74
2	81	42	23	49	24	47	44	60	42	63	53	64
3	>100	45	39	49	35	50	42	63	51	69	50	83
4	>100	65	58	50	46	56	39	62	59	60	63	67
5	>100	63	61	72	51	51	54	60	52	78	56	64
6	>100	80	83	73	69	66	51	59	59	66	67	67
7	>100	>94	76	>94	82	81	63	60	67	61	64	82
8	>100	93	91	85	81	78	89	82	63	63	66	72
9	>100	>94	>94	>94	83	80	84	80	77	72	65	66
10	>100	>94	>94	>94	>94	92	83	85	85	75	74	73
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 750.1 MHz; 0.00 dBm.
 LO IN: 780.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -6.46 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+7	12	12	36	10	34	28	41	39	50
1	-	15	+0	39	17	48	31	45	33	61	45	62
2	>100	50	32	51	31	58	48	56	46	56	57	61
3	>100	69	59	59	62	61	57	>84	58	64	61	71
4	>100	>84	>84	83	71	81	70	79	80	77	73	75
5	>100	>84	>84	>84	>84	>84	>84	83	>84	>84	83	>84
6	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 750.1 MHz; -10.00 dBm.
 LO IN: 780.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -16.26 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.

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