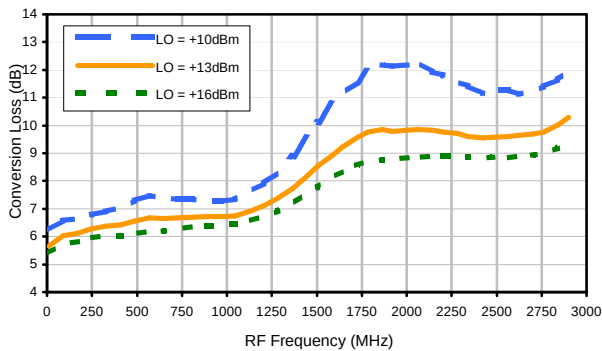


Frequency Mixer

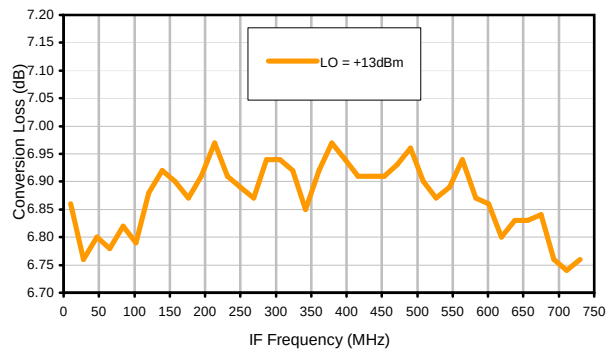
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Typical Performance Curves

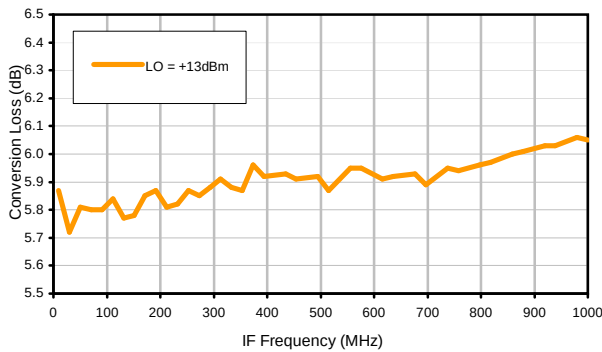
Conversion Loss @ IF=30MHz



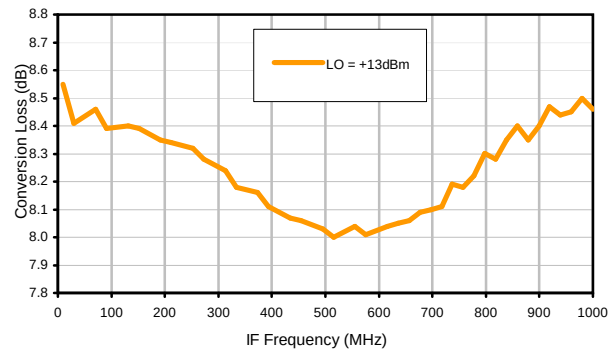
Conversion Loss vs. IF @ RF=750.1MHz



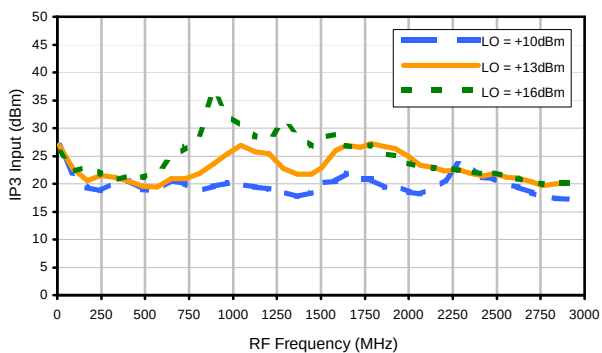
Conversion Loss vs. IF @ RF=10.1MHz



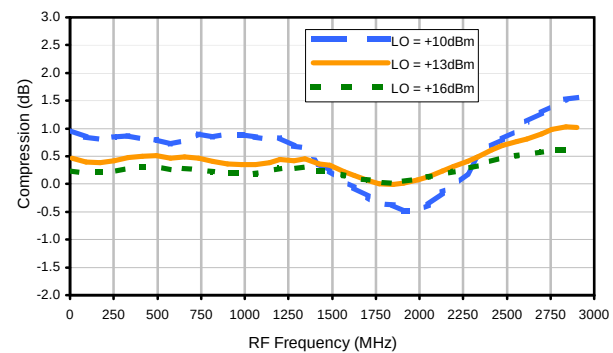
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input

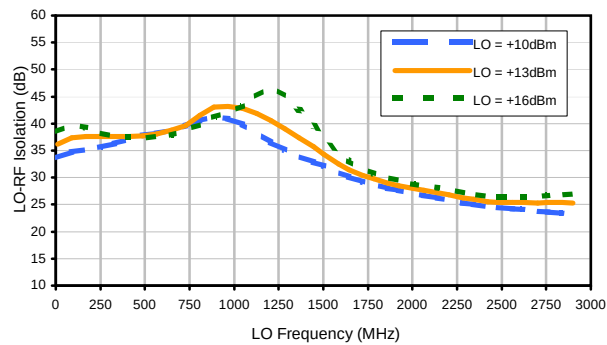


Compression @ RF IN=+10dBm

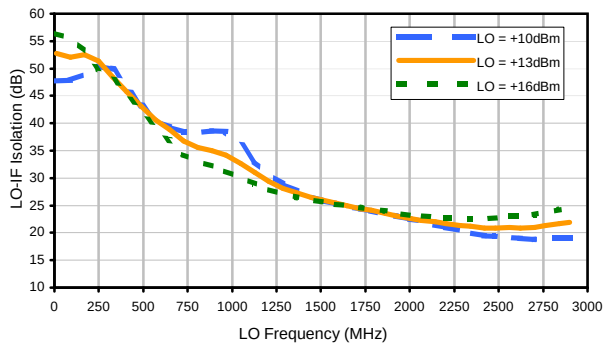


Typical Performance Curves

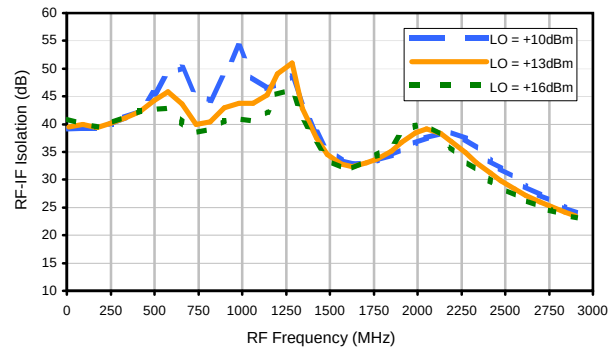
LO-RF Isolation



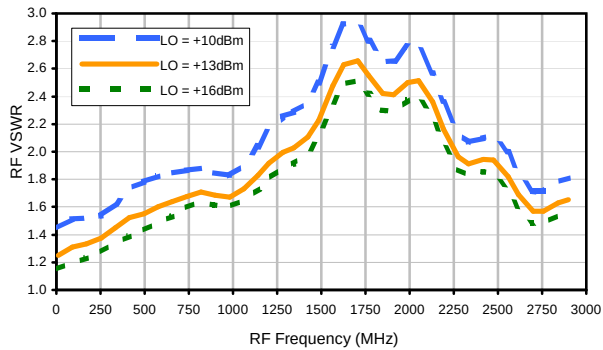
LO-IF Isolation



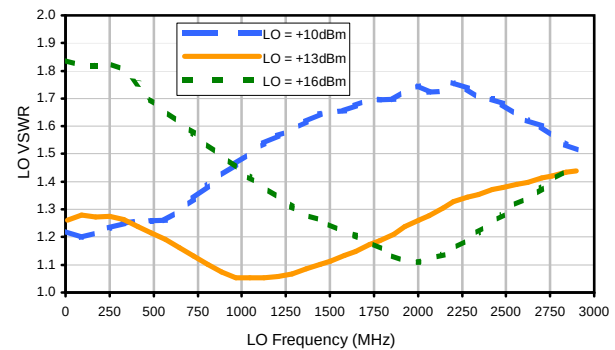
RF-IF Isolation



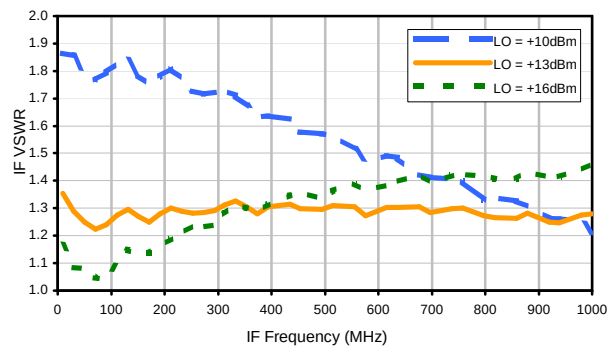
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	18	10	26	22	28	32	42	46	46
1	-	36	+0	44	14	48	33	54	37	46	37	49
2	96	56	48	57	48	66	48	61	68	68	69	61
3	>100	81	59	74	59	72	59	72	62	81	66	83
4	>100	>88	84	86	87	82	86	85	82	>88	>88	>88
5	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
6	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
7	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
8	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
10	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 750.1 MHz; -5.00 dBm.
LO IN: 780.01 MHz; +13.00 dBm
IF OUT: 29.91 MHz; -11.7 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	28	22	40	35	41	44	54	55	57
1	-	36	+0	48	14	47	34	55	42	50	44	57
2	80	46	40	46	40	62	40	54	54	59	56	58
3	>100	65	44	58	45	58	47	58	43	61	50	61
4	>100	70	71	73	79	66	81	64	61	68	69	66
5	>100	75	58	73	57	75	57	69	56	67	68	80
6	>100	89	92	79	84	74	78	76	72	77	72	81
7	>100	87	76	88	73	78	72	78	69	77	70	78
8	>100	97	87	95	86	96	86	92	87	91	86	>98
9	>100	>98	97	95	96	94	91	88	87	93	82	85
10	>100	>98	>98	>98	>98	>98	>98	93	92	92	92	89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 750.1 MHz; 5.00 dBm.
LO IN: 780.01 MHz; +13.00 dBm
IF OUT: 29.91 MHz; -1.8 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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