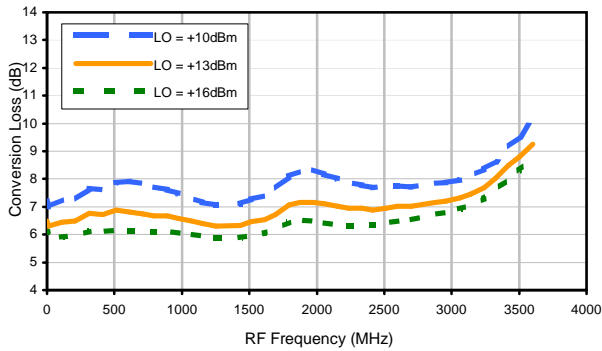


Frequency Mixer

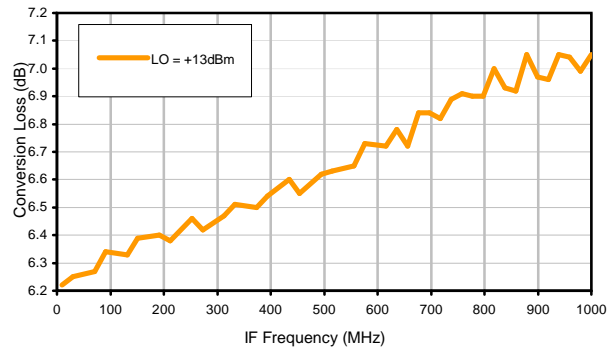
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Typical Performance Curves

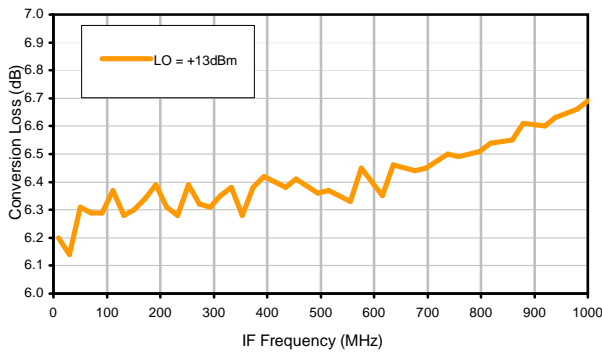
Conversion Loss @ IF=30MHz



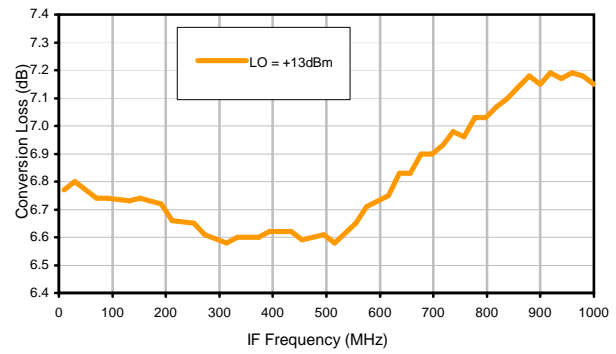
Conversion Loss vs. IF @ RF=1250.1MHz



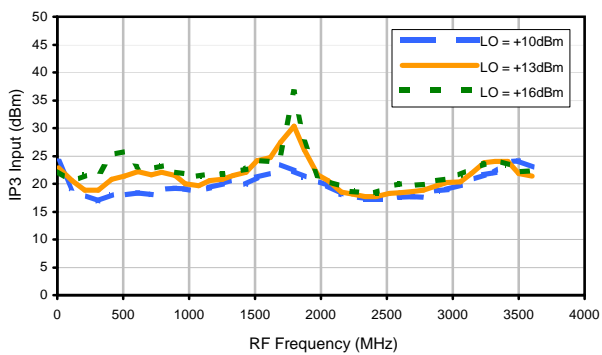
Conversion Loss vs. IF @ RF=10.1MHz



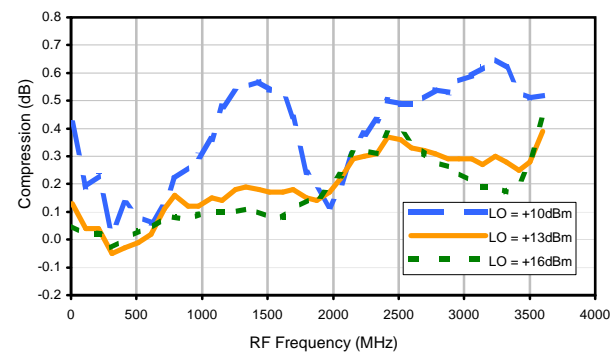
Conversion Loss vs. IF @ RF=2500.1MHz



IP3 Input

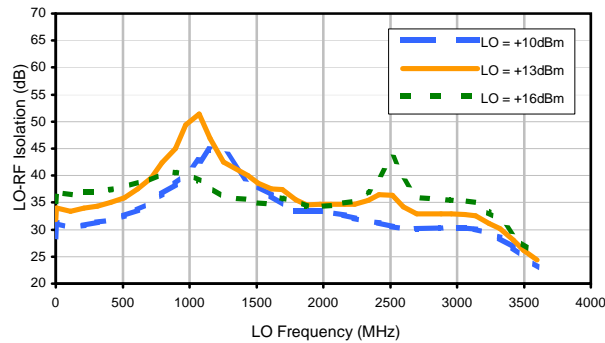


Compression @ RF IN=+9dBm

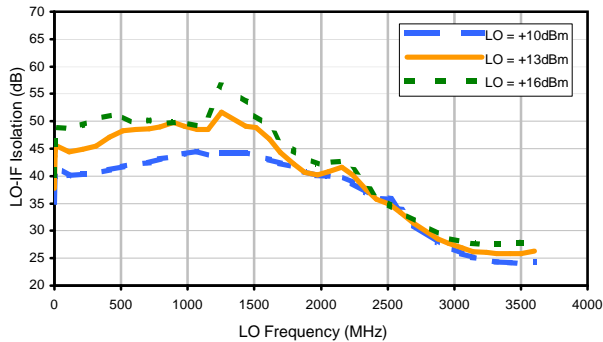


Typical Performance Curves

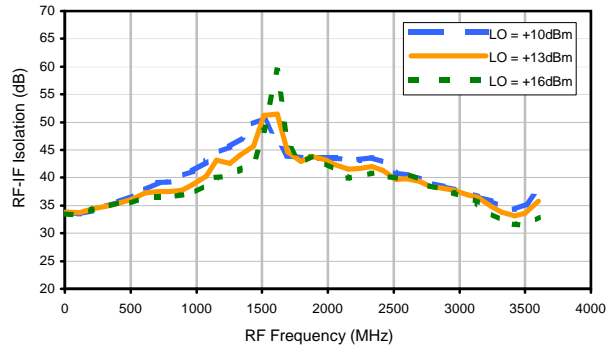
LO-RF Isolation



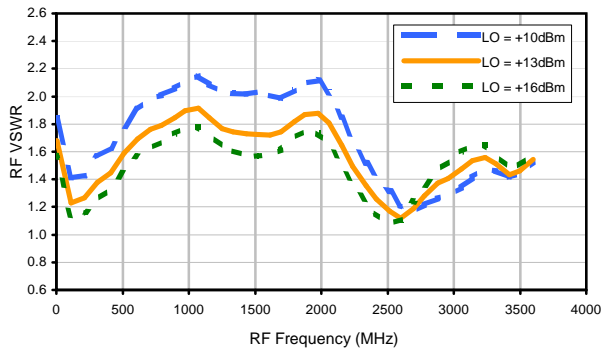
LO-IF Isolation



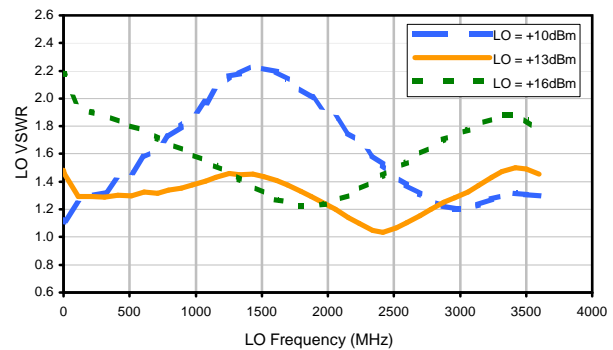
RF-IF Isolation



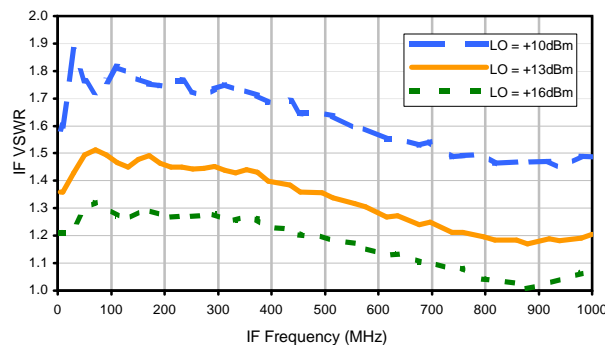
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	36	25	32	31	33	65	60	69	62	79
1	-	37	+0	43	16	45	31	49	50	51	58	87
2	77	49	49	61	52	54	57	47	47	60	67	66
3	>100	68	42	64	46	72	48	77	53	70	58	65
4	>100	62	74	66	73	64	75	66	78	61	65	69
5	>100	75	69	81	65	82	62	86	62	83	63	86
6	>100	83	86	74	94	77	88	76	91	77	89	73
7	>100	>98	95	85	81	92	84	91	81	>98	80	92
8	>100	>98	>98	92	96	85	>98	87	>98	86	>98	87
9	>100	>98	>98	>98	>98	95	92	>98	>98	>98	>98	>98
10	>100	>98	>98	>98	>98	>98	>98	96	>98	95	>98	93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; 4.00 dBm.
 LO IN: 1280.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -2.46 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	15	23	19	20	44	43	47	50	51
1	-	38	+0	41	16	45	33	44	43	47	49	76
2	87	62	58	58	61	56	63	51	54	62	73	65
3	>100	79	61	76	65	82	63	86	65	75	72	81
4	>100	81	>88	84	>88	80	>88	84	>88	81	>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: 1250.1 MHz; -6.00 dBm.
 LO IN: 1280.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -12.48 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
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 Page 3 of 3



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