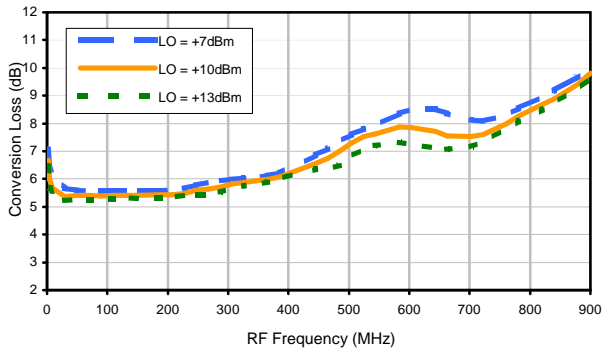


Frequency Mixer

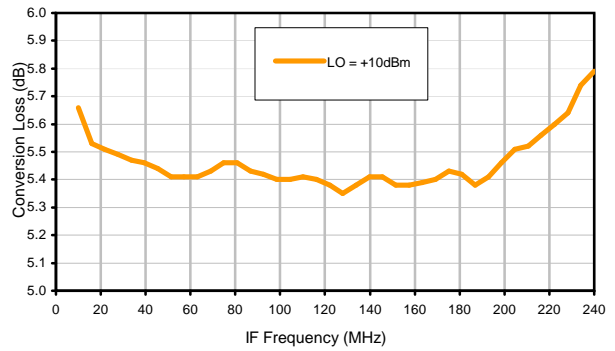
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Typical Performance Curves

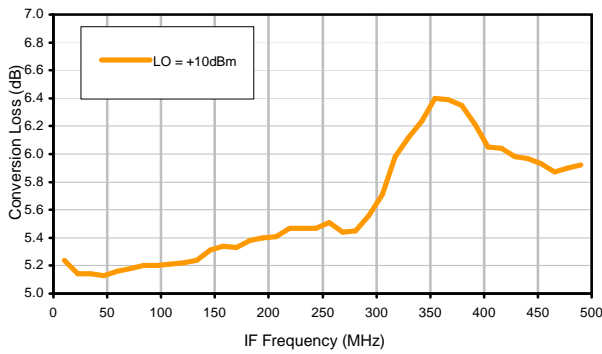
Conversion Loss @ IF=30MHz



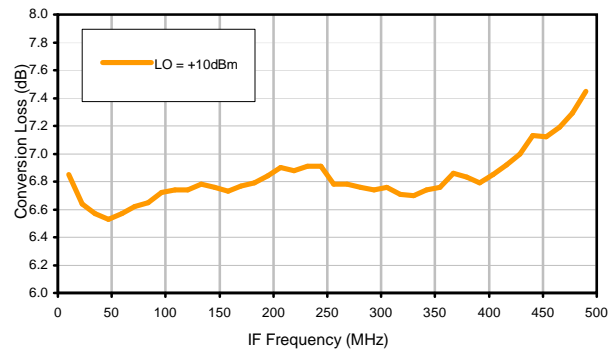
Conversion Loss vs. IF @ RF=250.1MHz



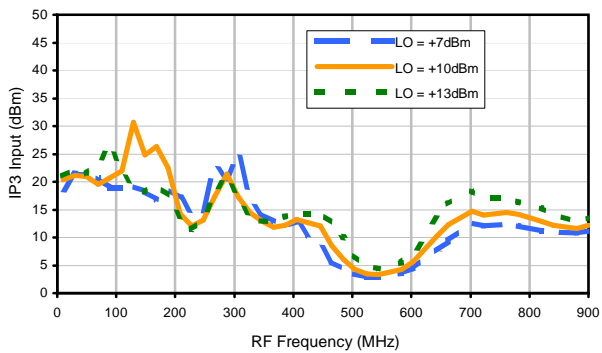
Conversion Loss vs. IF @ RF=10.1MHz



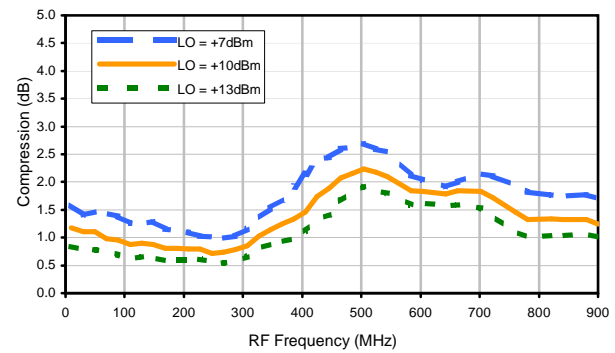
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input



Compression @ RF IN=+5dBm



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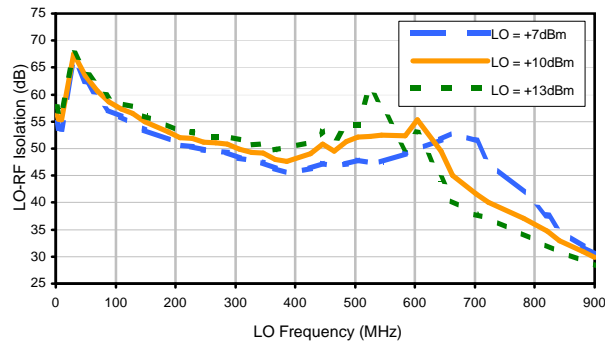


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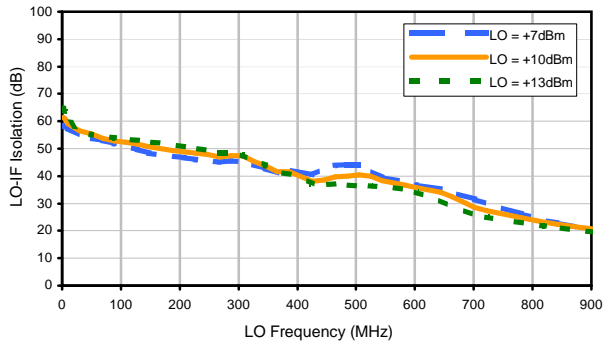


Typical Performance Curves

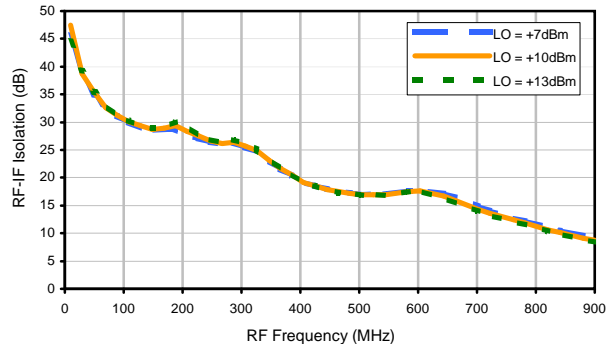
LO-RF Isolation



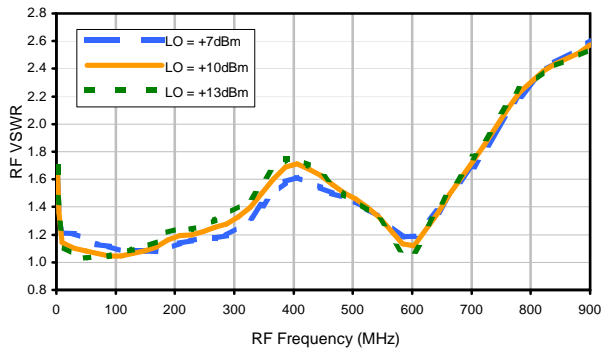
LO-IF Isolation



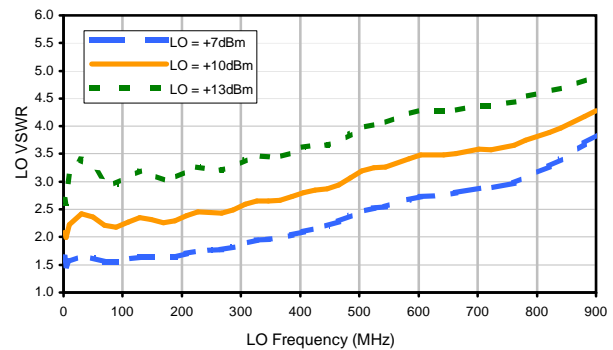
RF-IF Isolation



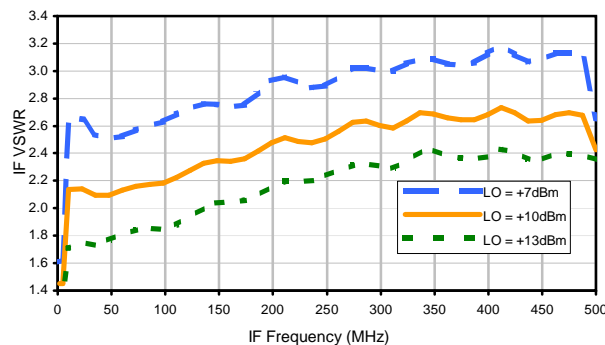
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	32	34	25	42	34	47	61	61	57	77
1	-	24	+0	34	12	34	23	42	37	51	48	51
2	92	67	49	62	48	59	48	64	60	61	63	77
3	>100	50	35	49	41	54	34	49	43	50	52	57
4	>100	74	62	92	59	82	58	71	53	68	70	77
5	>100	69	63	72	50	71	48	74	49	61	62	66
6	>100	91	74	78	85	78	72	79	68	94	67	81
7	>100	83	73	77	65	74	61	84	60	76	55	68
8	>100	>94	91	>94	85	87	85	>94	79	92	75	83
9	>100	84	84	94	78	84	79	90	73	81	70	88
10	>100	>94	>94	>94	94	>94	>94	>94	91	>94	79	93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 0.00 dBm.
 LO IN: 280.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -5.7 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	22	23	14	31	23	34	43	48	40	53
1	-	23	+0	34	11	33	21	37	37	43	38	39
2	>100	70	54	67	53	64	49	63	60	68	68	73
3	>100	72	56	69	59	81	55	73	66	74	62	>84
4	>100	>84	>84	>84	>84	>84	>84	>84	78	>84	>84	>84
5	>100	>84	82	>84	80	>84	78	>84	77	>84	82	>84
6	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>100	>84	>84	>84	>84	>84	>84	83	>84	>84	>84	>84
8	>100	>84	>84	>84	>84	>84	>84	>84	79	>84	>84	>84
9	>100	>84	>84	>84	>84	>84	>84	>84	>84	72	>84	>84
10	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	76	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -10.00 dBm.
 LO IN: 280.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -15.62 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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