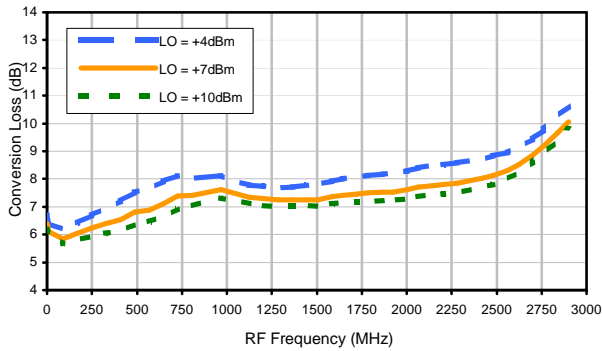


Frequency Mixer

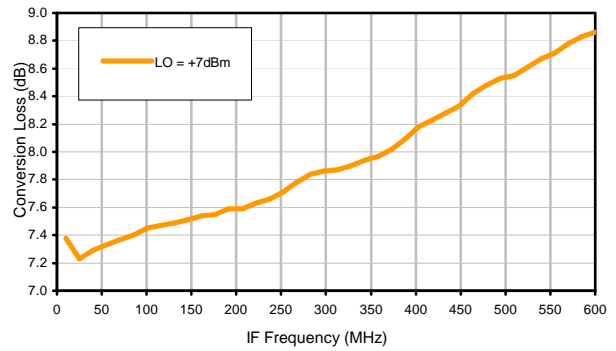
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Typical Performance Curves

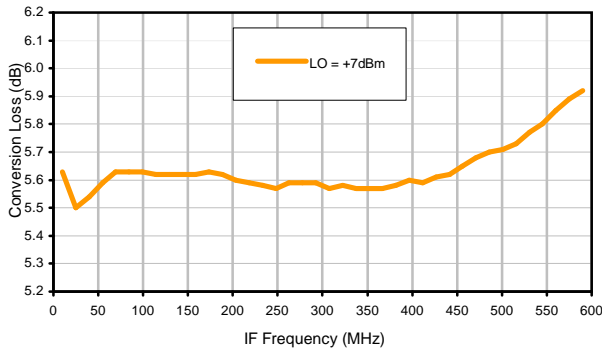
Conversion Loss @ IF=30MHz



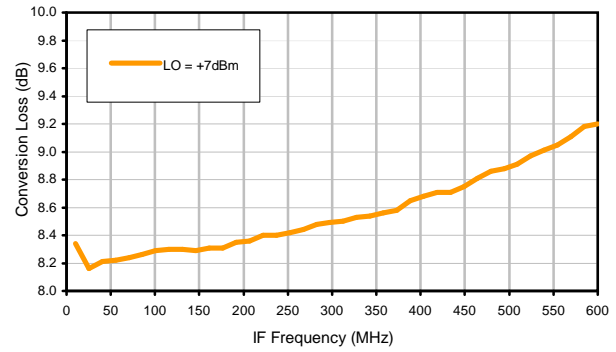
Conversion Loss vs. IF @ RF=1250.1MHz



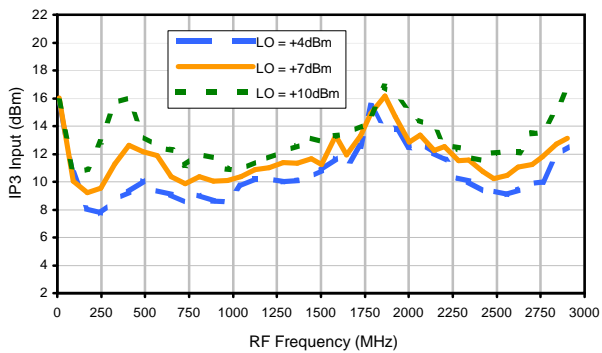
Conversion Loss vs. IF @ RF=10.1MHz



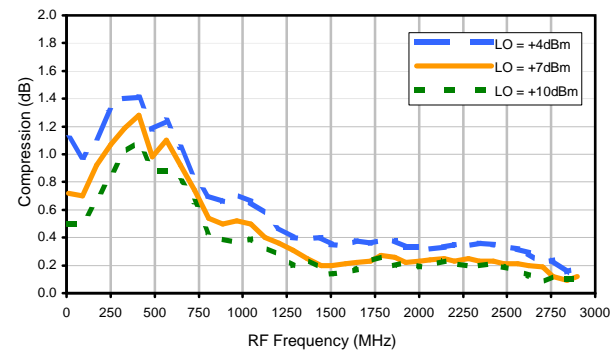
Conversion Loss vs. IF @ RF=2500.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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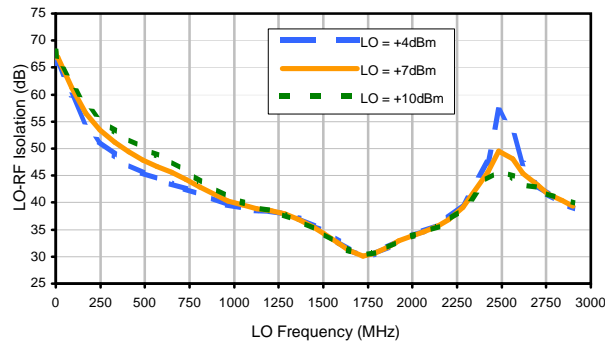


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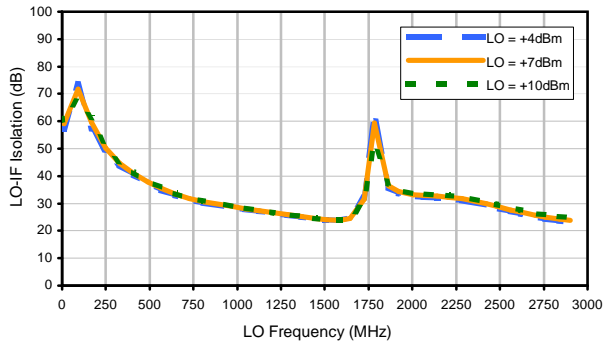


Typical Performance Curves

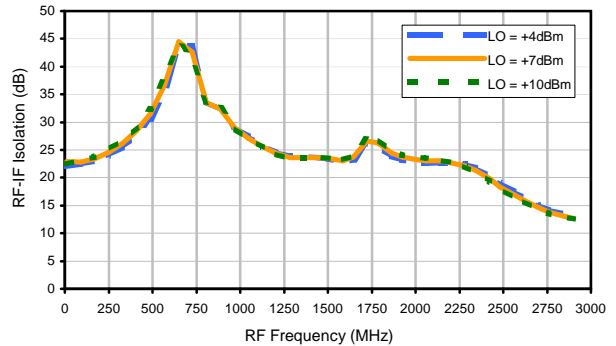
LO-RF Isolation



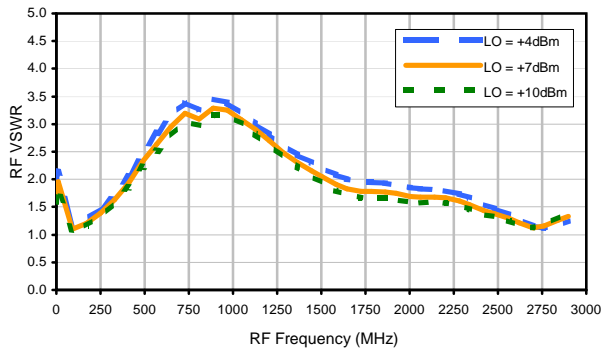
LO-IF Isolation



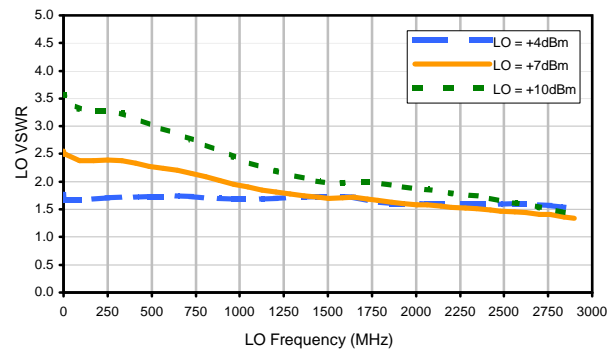
RF-IF Isolation



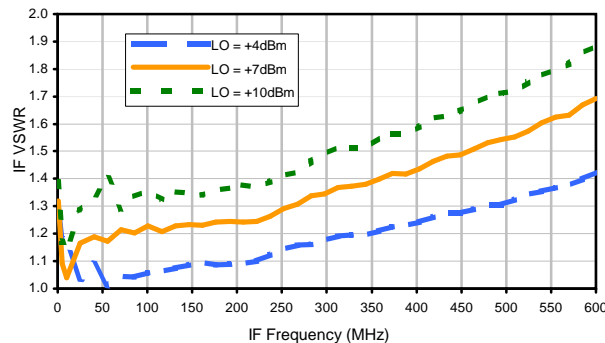
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+2	16	26	30	23	41	25	46	30	61
1	-	17	+0	33	21	37	37	36	37	44	41	50
2	96	68	61	59	61	68	66	>79	60	73	54	74
3	>100	72	66	>79	59	76	66	74	74	72	68	77
4	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; -14.00 dBm.
 LO IN: 1280.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -21.38 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	26	36	41	35	54	40	60	48	77
1	-	17	+0	34	21	40	38	40	41	50	51	62
2	78	62	54	53	55	58	59	64	53	69	51	73
3	>100	54	48	62	41	60	49	56	58	56	53	61
4	>100	83	84	81	74	78	74	84	72	77	70	82
5	>100	78	78	76	71	77	58	74	63	72	73	71
6	>100	>88	88	>88	88	>88	88	85	87	>88	>88	>88
7	>100	>88	>88	88	>88	>88	88	88	73	86	76	85
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; -4.00 dBm.
 LO IN: 1280.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -11.52 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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