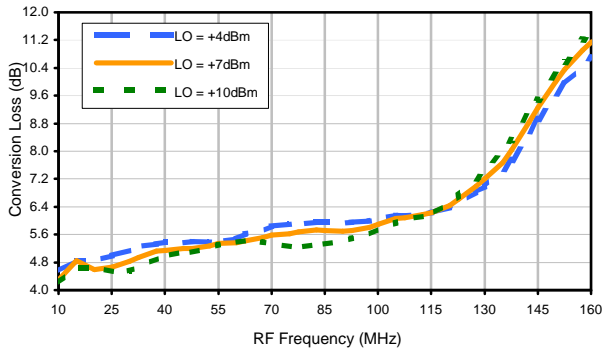


Frequency Mixer

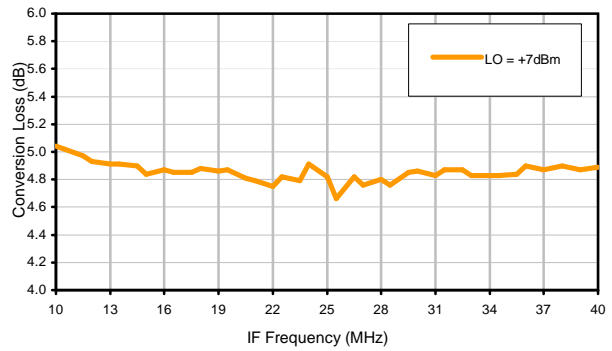
ZLW-6+

Typical Performance Curves

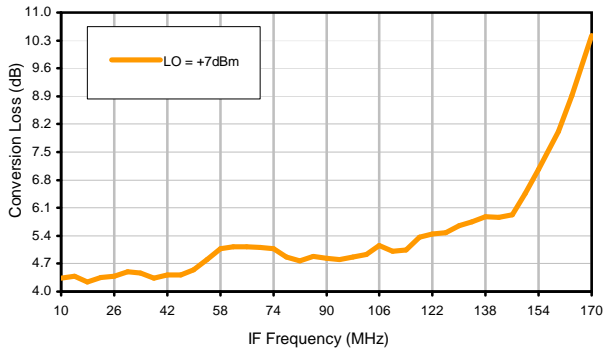
Conversion Loss @ IF=30MHz



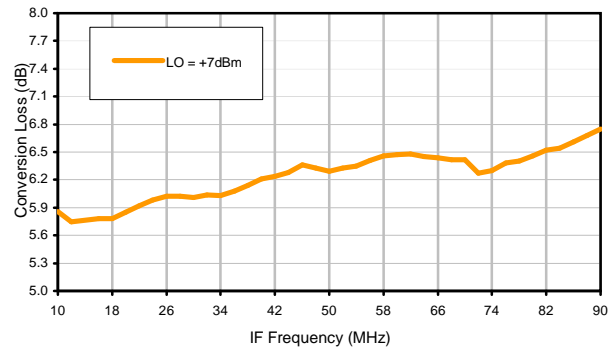
Conversion Loss vs. IF @ RF=50.1MHz



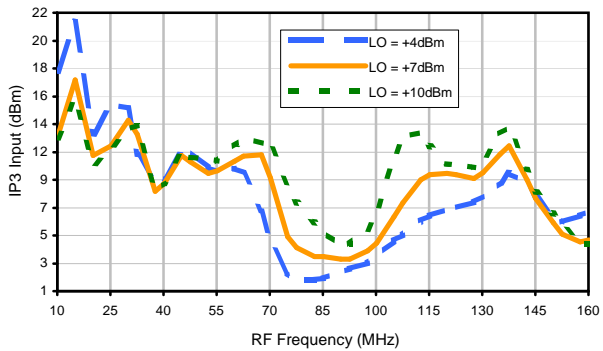
Conversion Loss vs. IF @ RF=10.1MHz



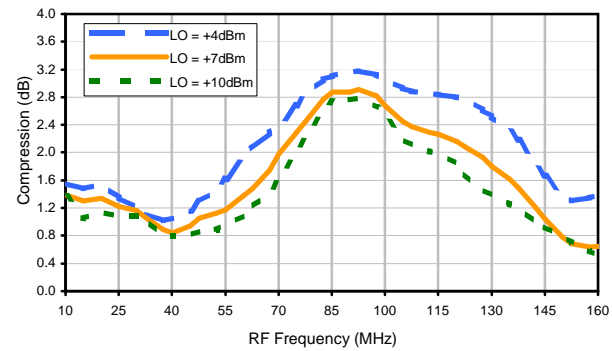
Conversion Loss vs. IF @ RF=100.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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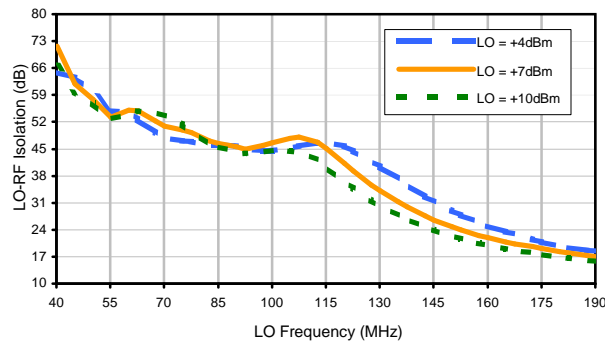


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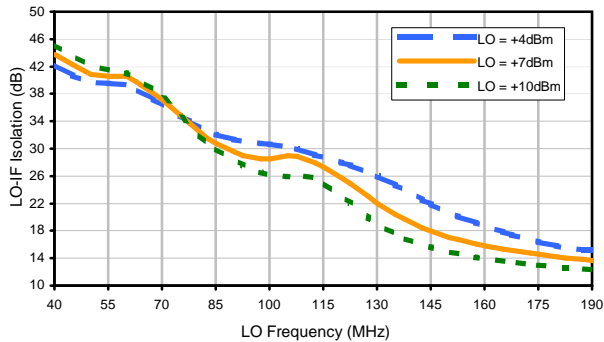


Typical Performance Curves

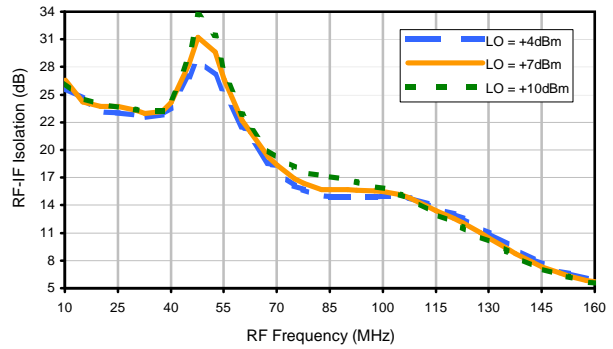
LO-RF Isolation



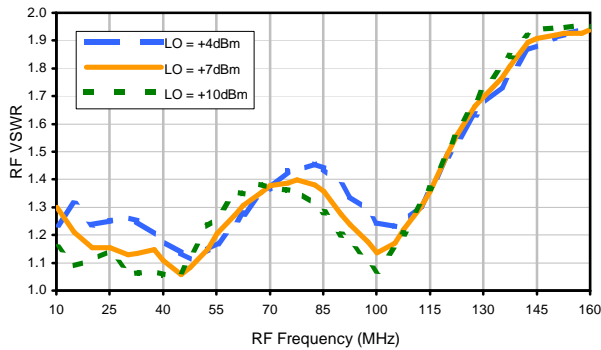
LO-IF Isolation



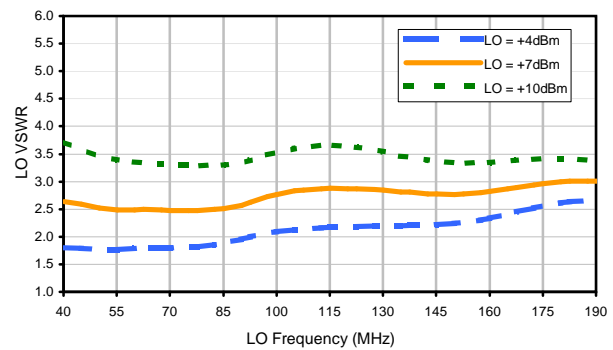
RF-IF Isolation



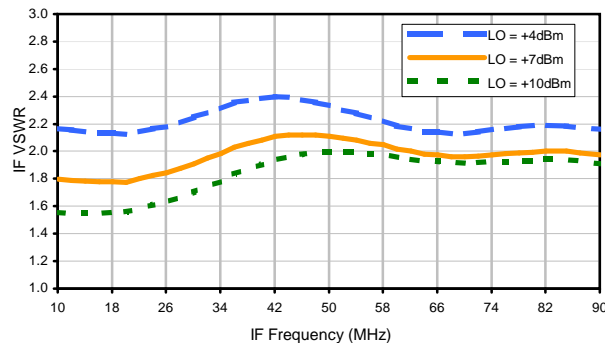
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	-	-	6	23	15	32	30	36	28	34	26	39
1	-	24	+0	32	14	58	33	43	34	42	27	46
2	>90	50	42	53	43	53	56	65	56	70	50	65
3	>90	68	52	>71	53	>71	64	69	>71	68	59	66
4	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
5	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
6	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
7	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
8	>90	>71	>71	>71	>71	>71	51	>71	>71	>71	>71	>71
9	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
10	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 50.1 MHz; -14.00 dBm.
 LO IN: 80.1 MHz; +7.00 dBm
 IF OUT: 30 MHz; -19.24 dBm

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	-	-	15	36	27	42	40	47	41	49	44	55
1	-	26	+0	43	15	57	34	56	37	40	33	47
2	72	43	39	45	39	45	52	57	50	54	49	51
3	>90	44	33	50	33	44	44	57	56	57	46	60
4	>90	60	53	61	55	57	58	62	68	65	66	71
5	>90	67	55	56	54	56	53	67	71	68	65	66
6	>90	>81	>81	69	69	66	67	79	80	>81	>81	80
7	>90	>81	79	76	66	69	69	65	70	77	74	>81
8	>90	>81	>81	>81	>81	77	78	77	>81	>81	>81	>81
9	>90	>81	>81	>81	>81	>81	81	>81	>81	>81	>81	>81
10	>90	>81	>81	>81	>81	>81	>81	>81	>81	81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 50.1 MHz; -4.00 dBm.
 LO IN: 80.1 MHz; +7.00 dBm
 IF OUT: 30 MHz; -9.35 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.