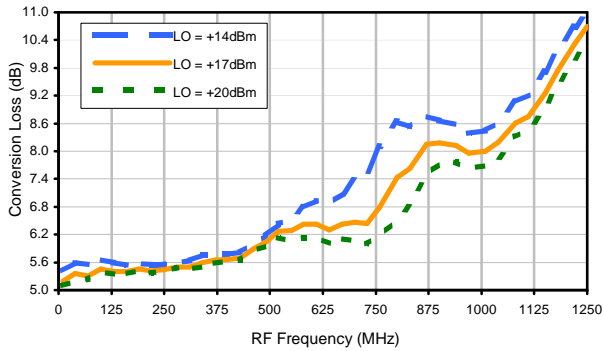


Frequency Mixer

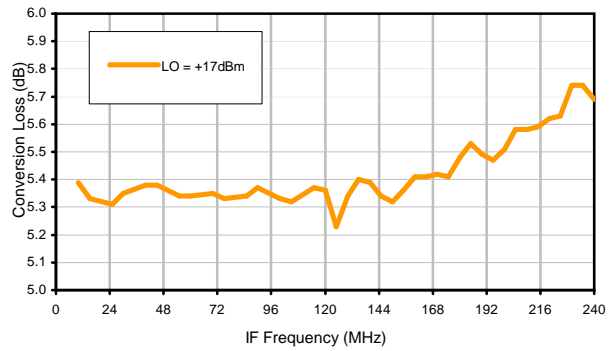
ZLW-1H

Typical Performance Curves

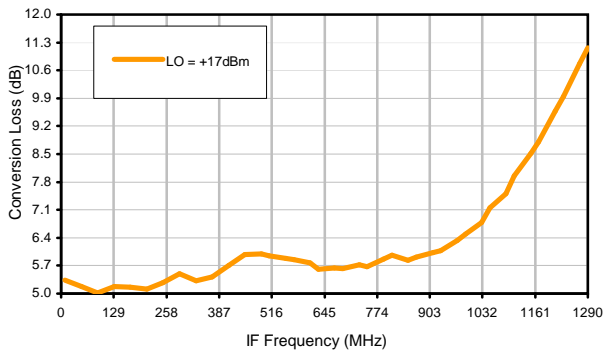
Conversion Loss @ IF=30MHz



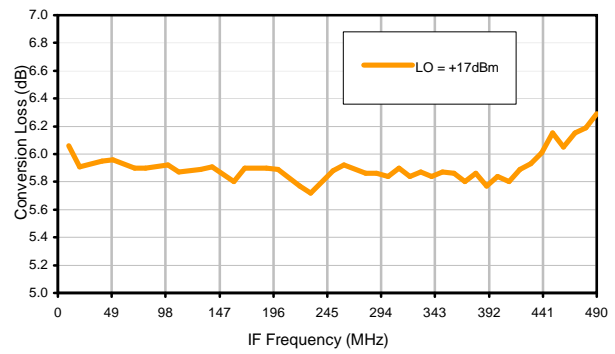
Conversion Loss vs. IF @ RF=250.1MHz



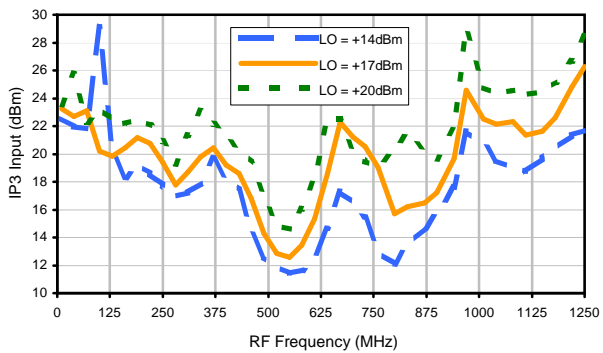
Conversion Loss vs. IF @ RF=10.1MHz



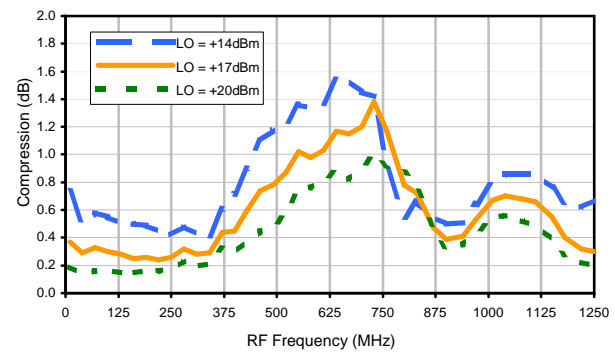
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input



Compression @ RF IN=+10dBm



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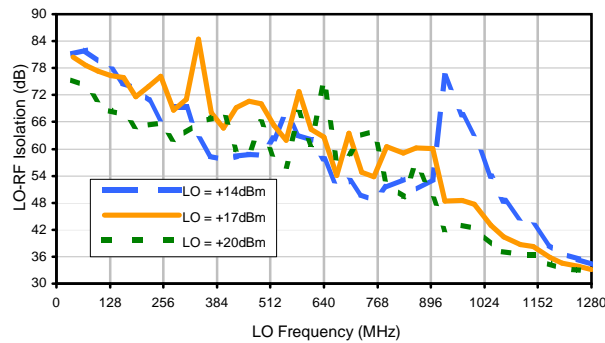


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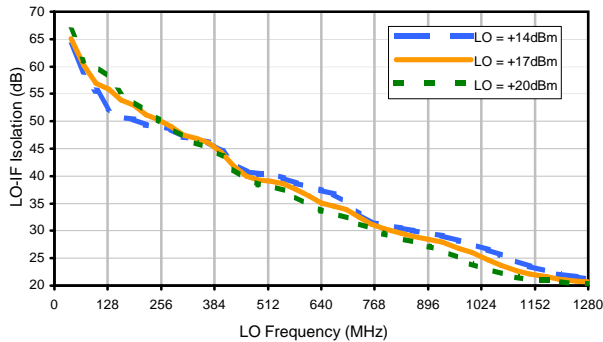


Typical Performance Curves

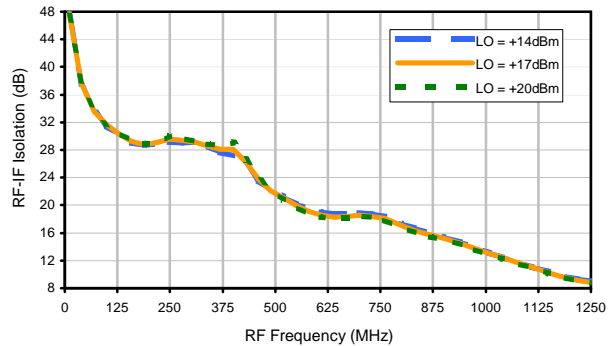
LO-RF Isolation



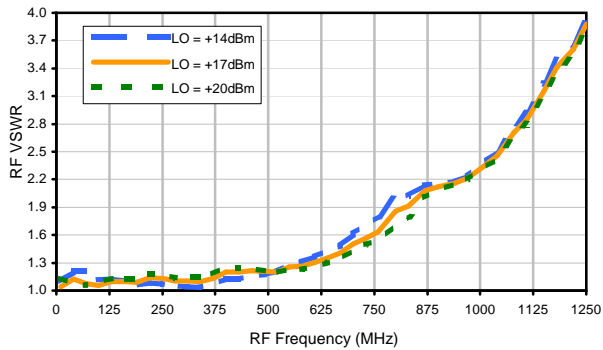
LO-IF Isolation



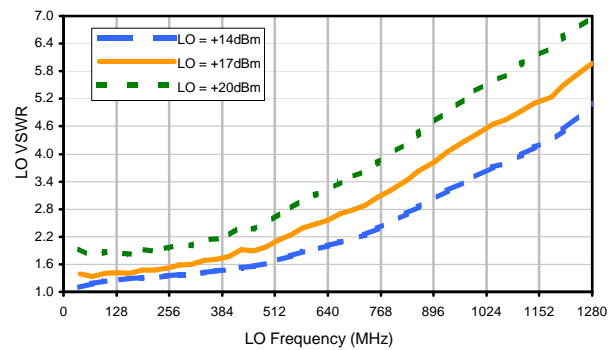
RF-IF Isolation



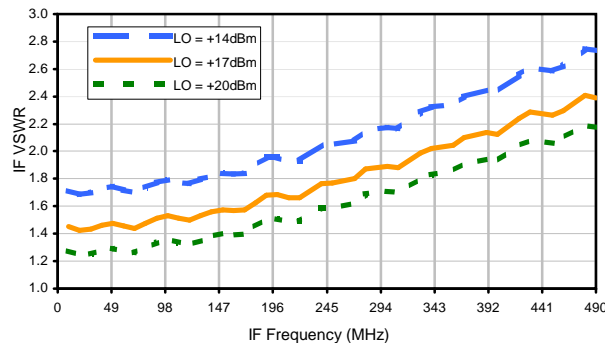
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	22	34	29	32	19	38	20	43	29	64
1	-	24	+0	30	12	39	16	34	39	42	50	45
2	64	77	57	73	59	75	60	73	59	74	58	74
3	>90	77	58	>79	58	>79	57	>79	58	74	75	73
4	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>90	>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: 250.1 MHz; -5.00 dBm.
 LO IN: 280.1 MHz; +17.00 dBm
 IF OUT: 30 MHz; -10.41 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	30	44	41	42	30	50	31	54	43	68
1	-	24	+0	30	12	41	17	37	39	48	45	52
2	44	66	50	69	53	72	55	66	51	69	50	71
3	70	56	44	62	44	63	43	62	43	55	66	59
4	>90	82	72	81	69	81	69	87	69	86	73	81
5	>90	78	58	84	58	78	57	78	57	76	58	77
6	>90	>88	86	86	86	>88	83	85	84	>88	80	>88
7	>90	>88	86	>88	73	>88	74	86	72	86	72	>88
8	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>90	>88	>88	>88	>88	>88	>88	>88	82	>88	81	>88
10	>90	>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: 250.1 MHz; 5.00 dBm.
 LO IN: 280.1 MHz; +17.00 dBm
 IF OUT: 30 MHz; -0.6 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.