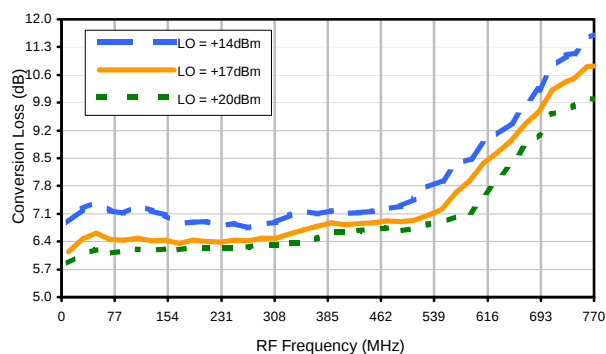


Frequency Mixer

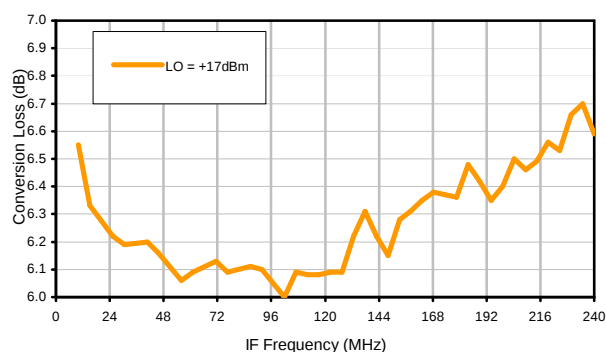
ZLW-1SH+

Typical Performance Curves

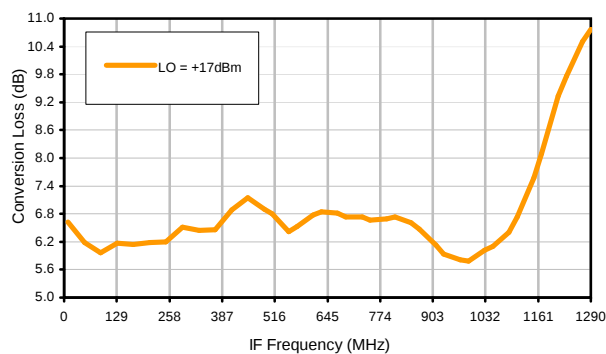
Conversion Loss @ IF=30MHz



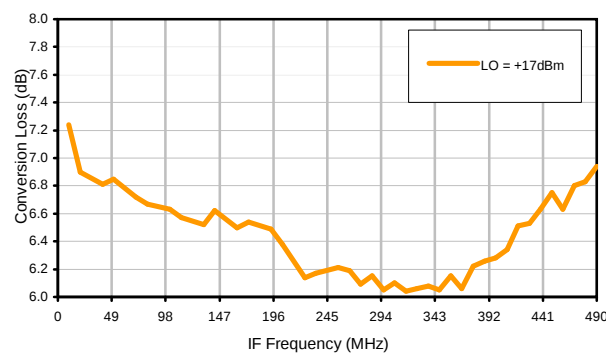
Conversion Loss vs. IF @ RF=250.1MHz



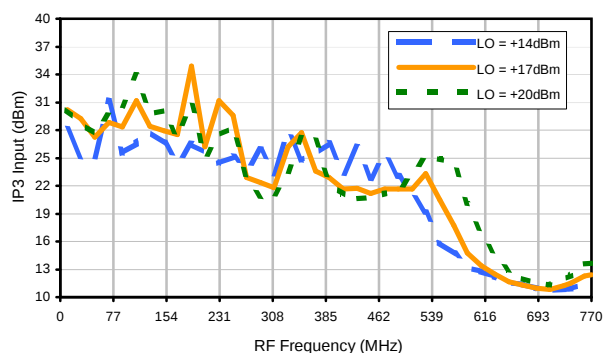
Conversion Loss vs. IF @ RF=10.1MHz



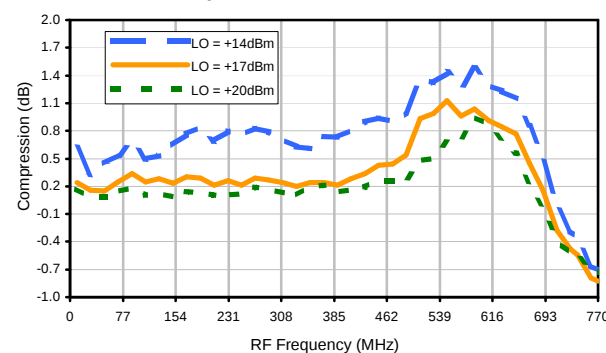
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

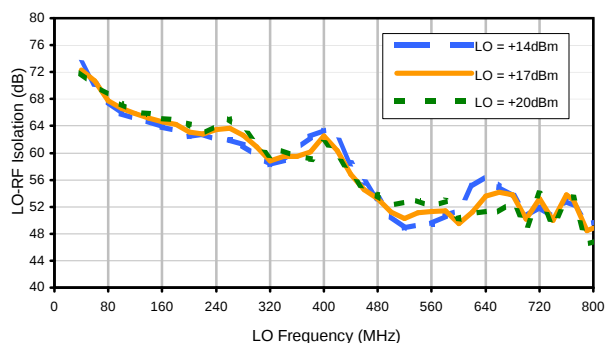


Compression @ RF IN=+14dBm

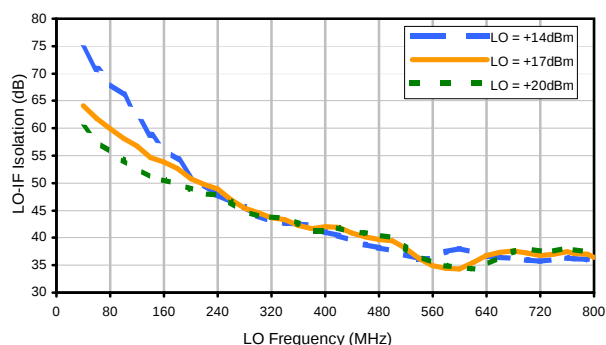


Typical Performance Curves

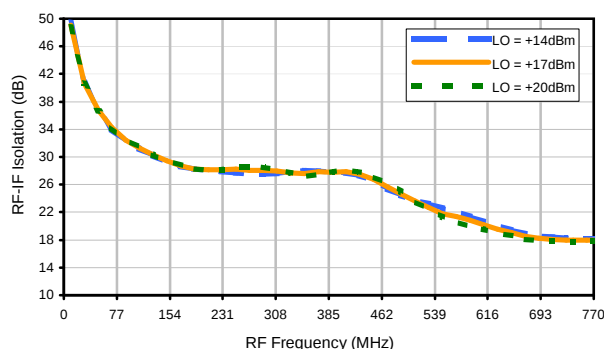
LO-RF Isolation



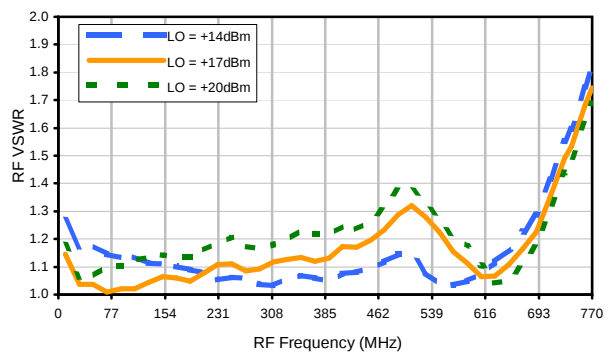
LO-IF Isolation



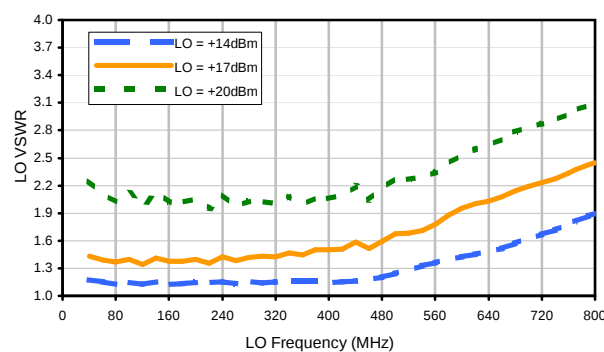
RF-IF Isolation



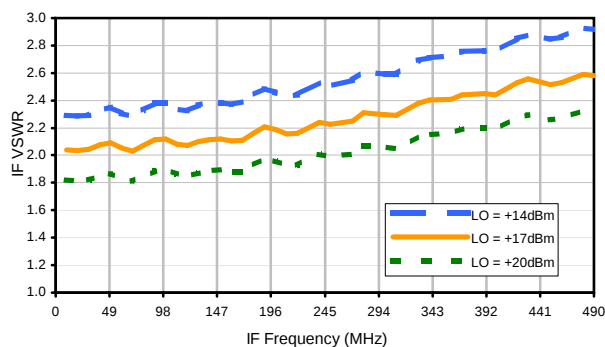
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	-	-	22	45	27	49	21	48	23	38	35	45
1	-	21	+0	33	16	36	24	44	32	41	25	45
2	56	66	57	78	58	80	58	74	47	71	51	61
3	89	68	53	72	52	65	45	71	43	66	56	71
4	>90	>82	78	>82	>82	>82	75	>82	74	>82	75	>82
5	>90	>82	79	>82	>82	>82	69	>82	67	>82	64	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -1.00 dBm.
LO IN: 280.1 MHz; +17.00 dBm
IF OUT: 30 MHz; -7.43 dBm

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	-	-	31	56	38	60	36	63	42	55	54	80
1	-	21	+0	32	15	37	22	42	40	49	35	50
2	37	57	46	68	58	70	60	74	46	64	45	59
3	59	52	42	62	51	61	39	61	42	69	49	56
4	89	81	80	81	74	84	75	81	71	82	61	75
5	>90	71	57	76	59	66	50	61	47	74	45	65
6	>90	85	86	85	86	89	80	89	76	>91	76	86
7	>90	81	75	76	62	86	65	73	59	72	58	78
8	>90	>91	86	91	86	>91	85	>91	86	>91	81	>91
9	>90	>91	81	>91	81	78	71	81	69	80	67	79
10	>90	>91	87	>91	>91	>91	87	>91	89	>91	>91	>91
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 9.00 dBm.
LO IN: 280.1 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.3 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.