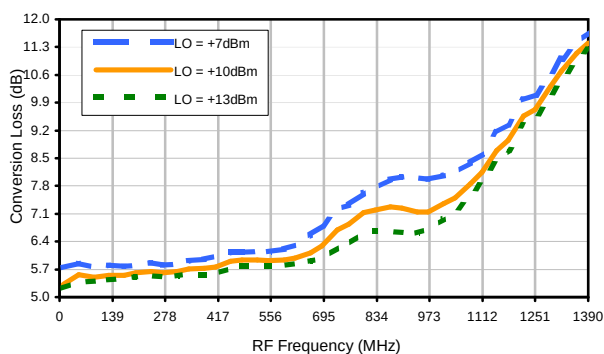


Frequency Mixer

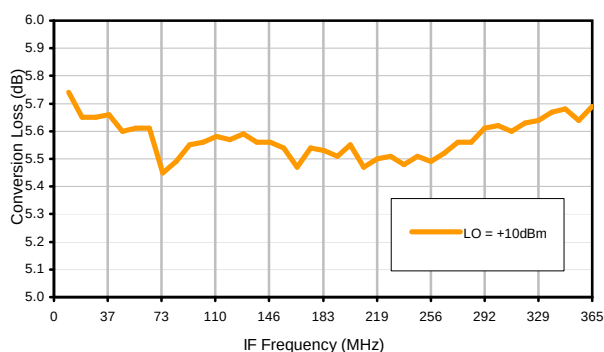
ZX05-1LHW+

Typical Performance Curves

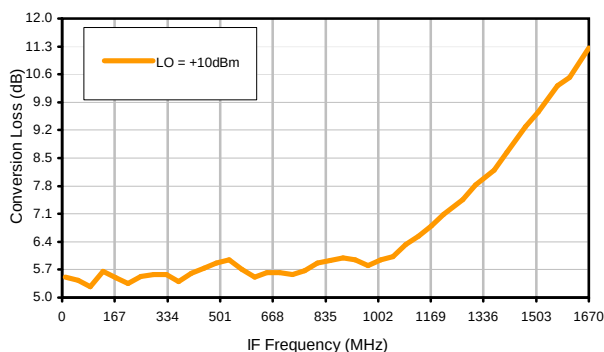
Conversion Loss @ IF=30MHz



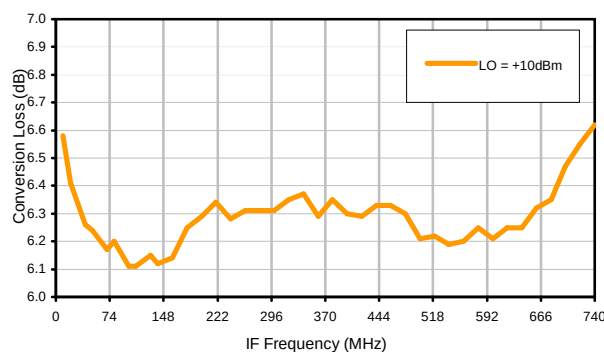
Conversion Loss vs. IF @ RF=375.1MHz



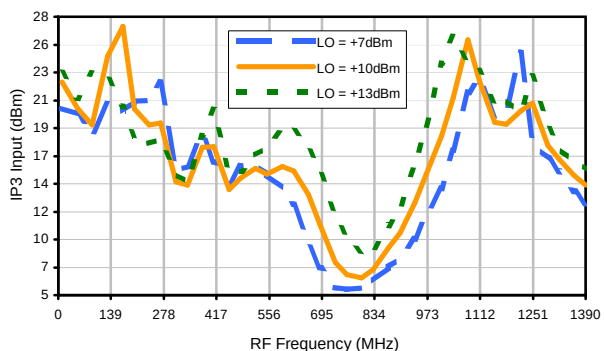
Conversion Loss vs. IF @ RF=10.1MHz



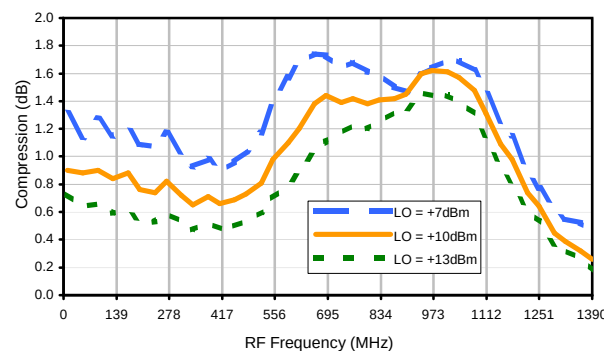
Conversion Loss vs. IF @ RF=750.1MHz



IP3 Input

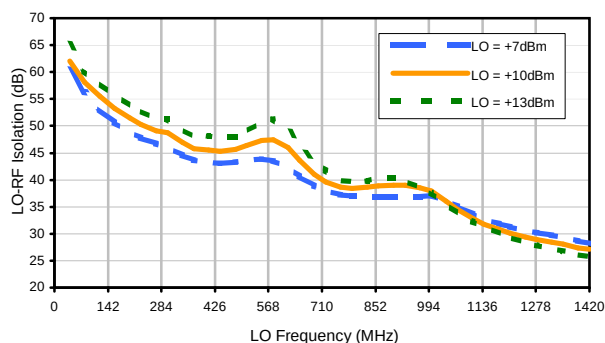


Compression @ RF IN=+5dBm

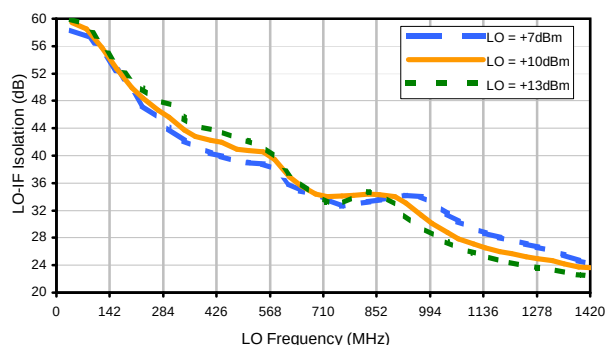


Typical Performance Curves

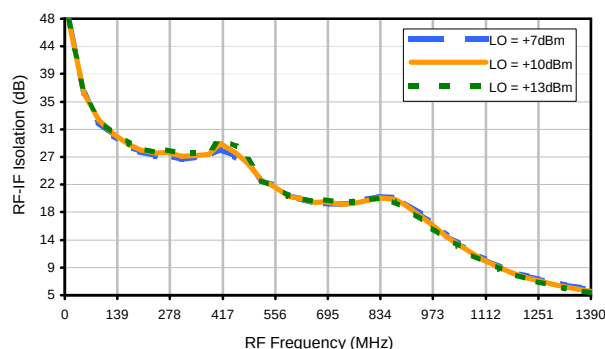
LO-RF Isolation



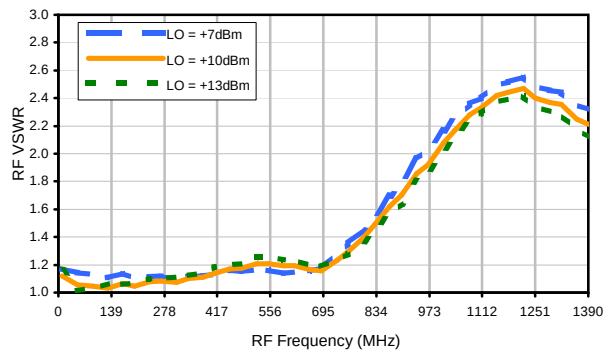
LO-IF Isolation



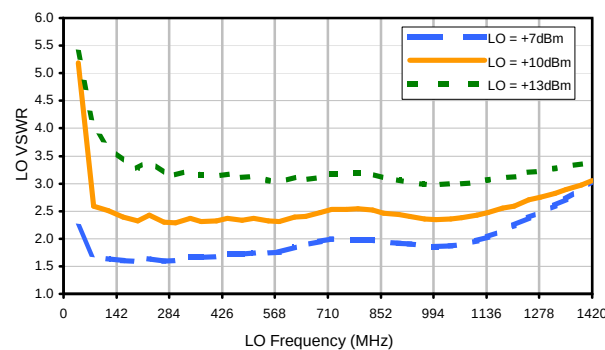
RF-IF Isolation



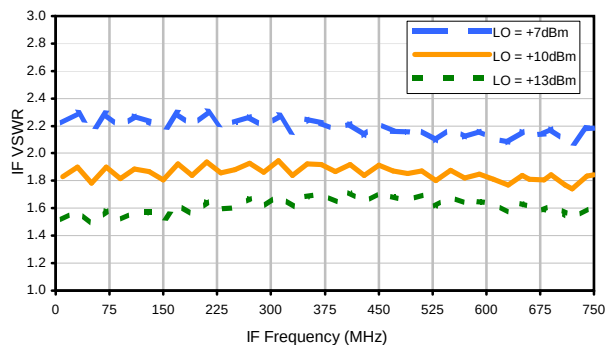
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	30	16	25	20	29	37	39	45	52
1	-	22	+0	29	12	28	21	32	48	46	40	43
2	85	>74	58	65	58	71	60	60	62	66	73	68
3	>90	>74	60	71	59	68	56	71	61	>74	66	>74
4	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
5	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
6	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
7	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
8	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
9	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
10	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 375.1 MHz; -10.00 dBm.
LO IN: 405.1 MHz; +10.00 dBm
IF OUT: 30 MHz; -15.78 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	41	27	37	31	40	50	54	64	67
1	-	23	+0	29	12	30	23	37	43	51	50	56
2	65	57	56	63	54	59	51	53	55	60	68	63
3	>90	44	40	49	42	50	39	43	48	49	58	56
4	>90	71	65	68	65	65	62	65	65	69	81	76
5	>90	65	60	59	52	60	50	58	48	58	55	73
6	>90	>84	83	82	81	>84	79	>84	77	78	79	80
7	>90	>84	>84	82	81	68	70	72	68	66	60	63
8	>90	>84	>84	>84	>84	>84	>84	>84	81	>84	79	>84
9	>90	>84	>84	>84	>84	>84	80	78	77	77	74	75
10	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 375.1 MHz; 0.00 dBm.
LO IN: 405.1 MHz; +10.00 dBm
IF OUT: 30 MHz; -5.81 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.