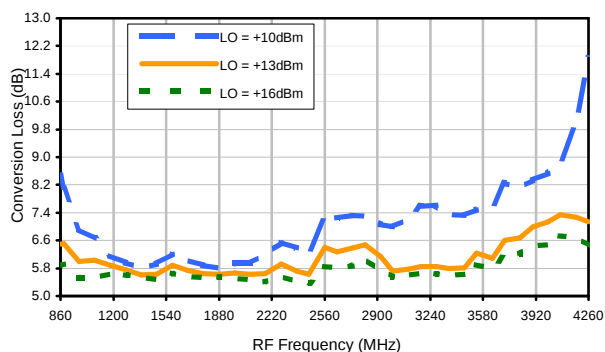


Frequency Mixer

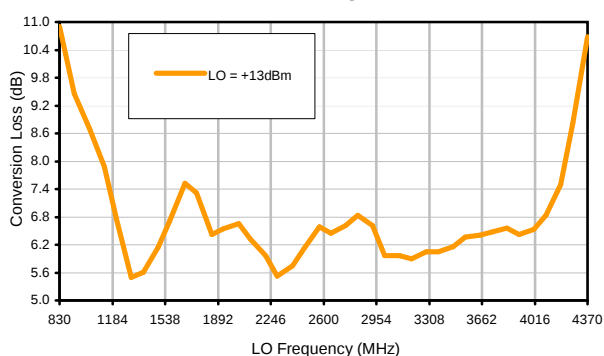
ZX05-C42MH+

Typical Performance Curves

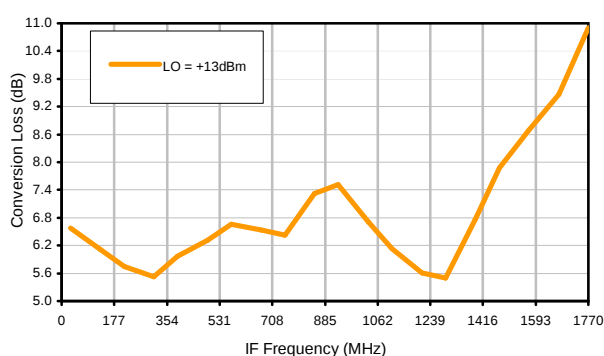
Conversion Loss @ IF=30MHz



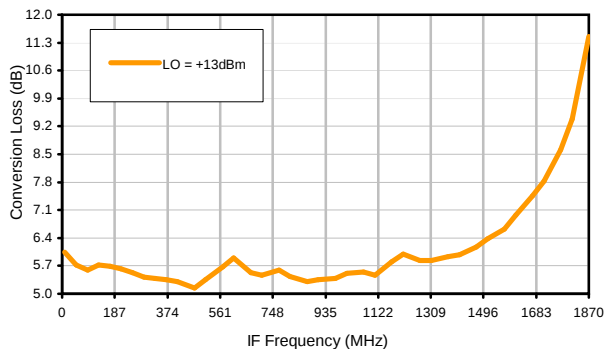
Conversion Loss vs. LO @ RF=2600.1001MHz



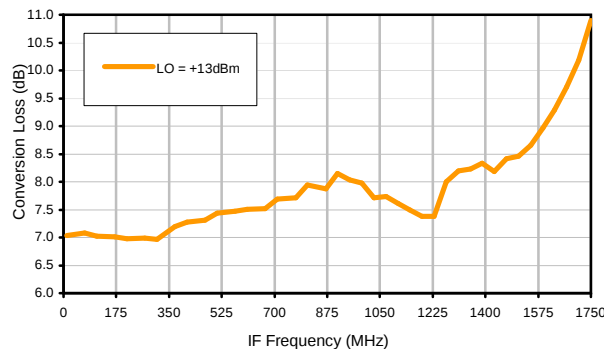
Conversion Loss vs. IF @ RF=2600.1001MHz



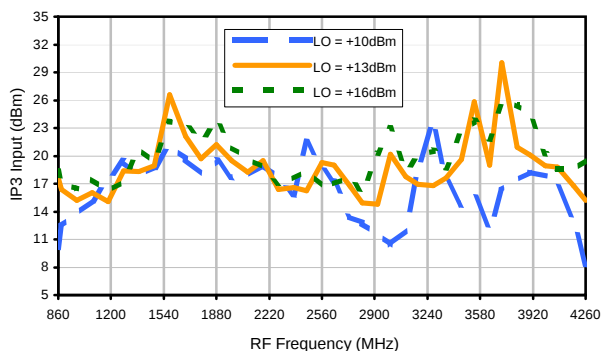
Conversion Loss vs. IF @ RF=1000.1MHz



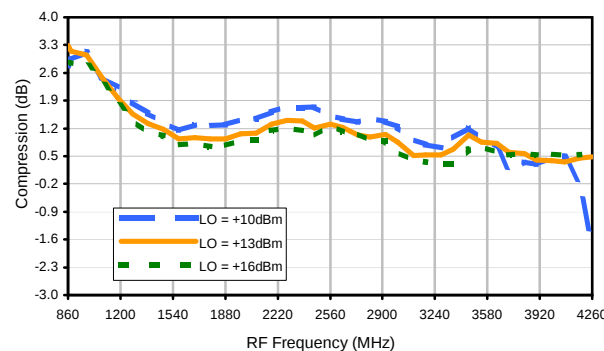
Conversion Loss vs. IF @ RF=4200.1001MHz



IP3 Input

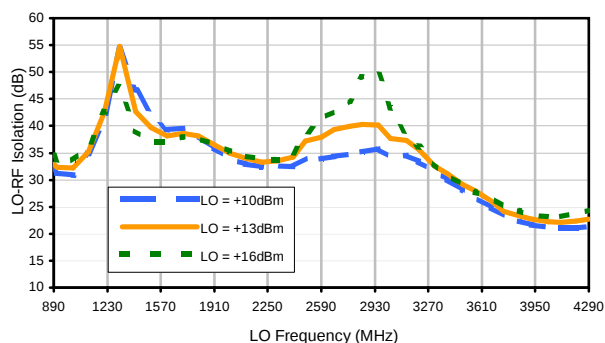


Compression @ RF IN=+9dBm

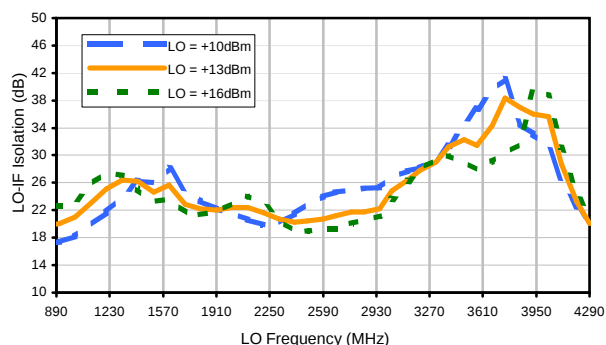


Typical Performance Curves

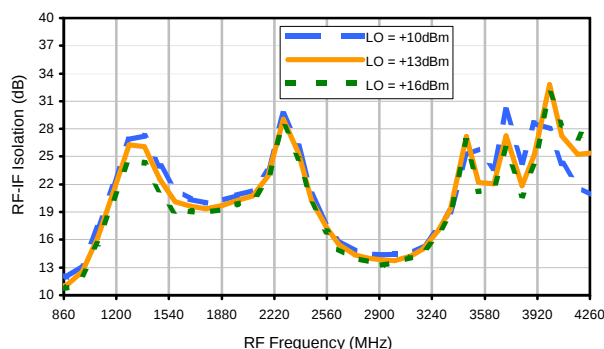
LO-RF Isolation



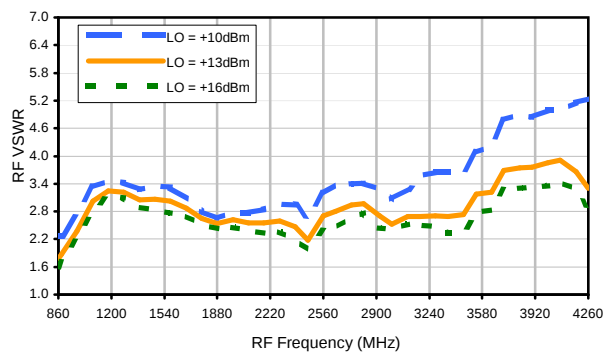
LO-IF Isolation



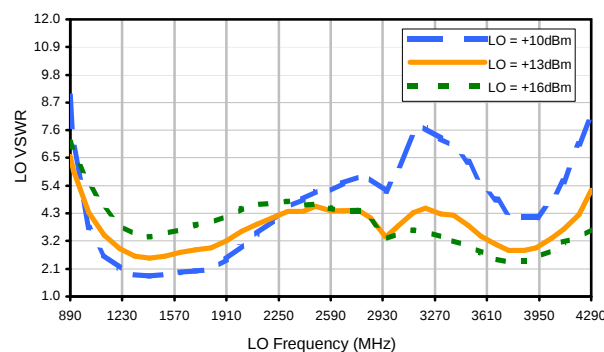
RF-IF Isolation



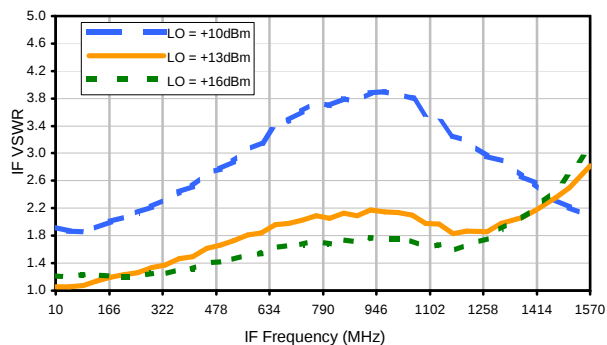
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+2	19	5	26	24	54	49	57	52	---
1	-	10	+0	20	31	24	37	44	50	67	63	76
2	74	44	47	47	59	48	44	53	54	70	>77	72
3	>90	49	45	59	64	60	58	70	59	63	>77	>77
4	>90	>77	>77	77	>77	>77	>77	>77	77	>77	75	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	---	---	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2600 MHz; -6.00 dBm.
LO IN: 2630 MHz; +13.00 dBm
IF OUT: 30 MHz; -12.73 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	32	18	41	36	59	62	68	68	---
1	-	9	+0	24	25	33	50	49	64	81	73	>87
2	54	33	37	38	53	42	37	50	52	74	78	73
3	85	29	25	41	39	39	45	44	58	58	74	>87
4	>90	60	50	50	61	52	60	63	61	61	68	86
5	>90	52	59	50	42	64	45	59	56	74	57	65
6	>90	81	65	79	67	63	66	68	64	80	72	78
7	>90	>87	>87	65	78	65	53	75	56	61	71	68
8	>90	>87	>87	>87	73	>87	80	76	73	71	73	81
9	>90	>87	>87	>87	>87	74	>87	75	62	85	62	73
10	---	---	>87	>87	>87	>87	82	>87	85	87	82	86
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2600 MHz; 4.00 dBm.
LO IN: 2630 MHz; +13.00 dBm
IF OUT: 30 MHz; -2.68 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.