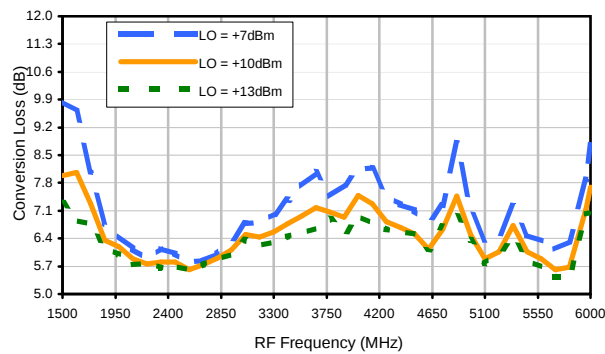


Frequency Mixer

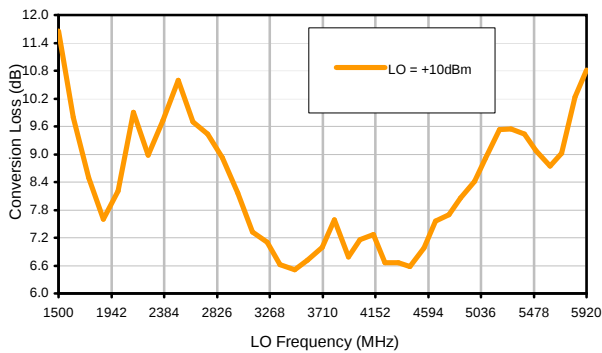
ZX05-C60LH+

Typical Performance Curves

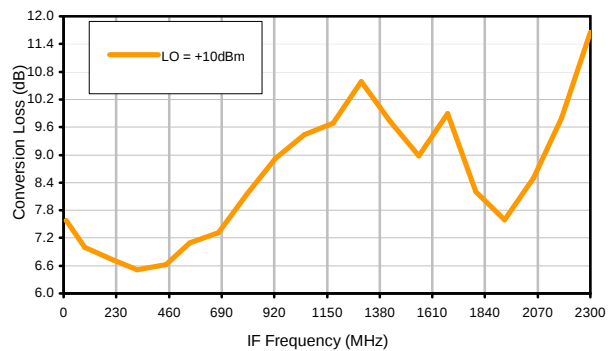
Conversion Loss @ IF=30MHz



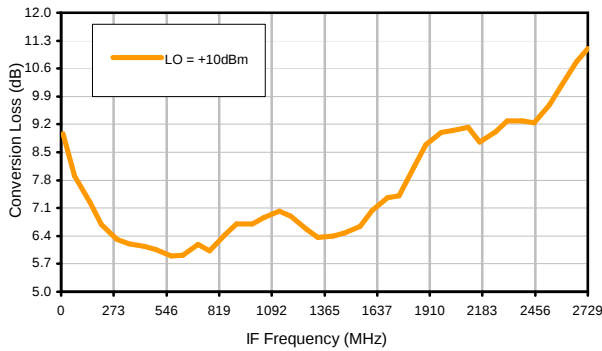
Conversion Loss vs. LO @ RF=3800MHz



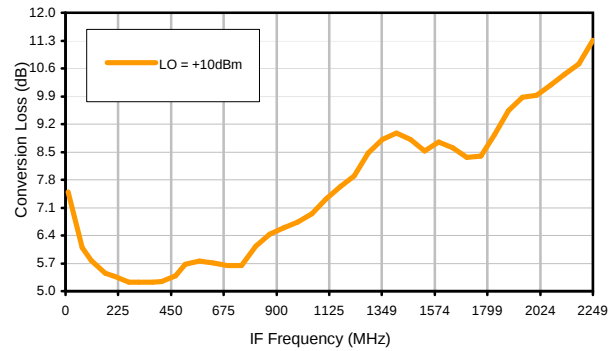
Conversion Loss vs. IF @ RF=3800MHz



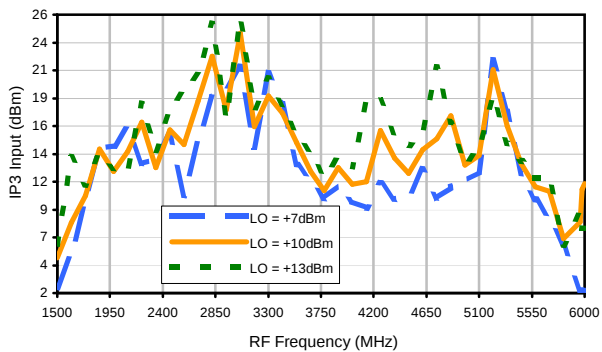
Conversion Loss vs. IF @ RF=1600MHz



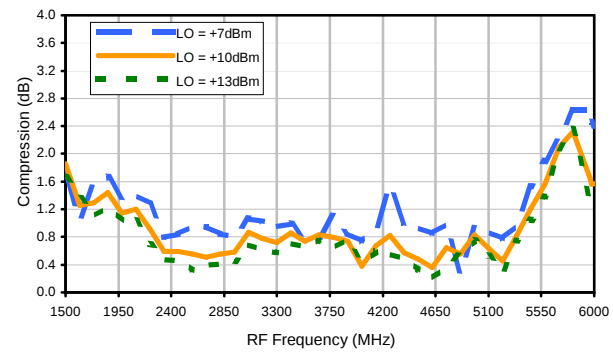
Conversion Loss vs. IF @ RF=6000MHz



IP3 Input



Compression @ RF IN=+5dBm



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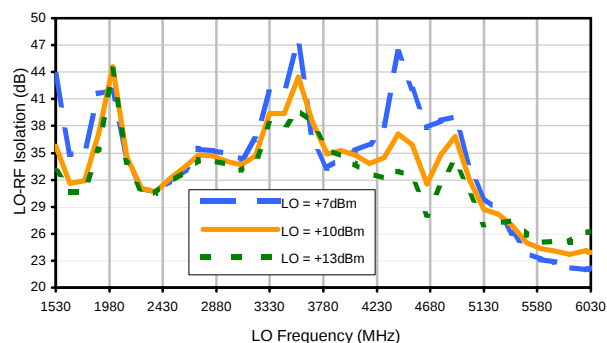


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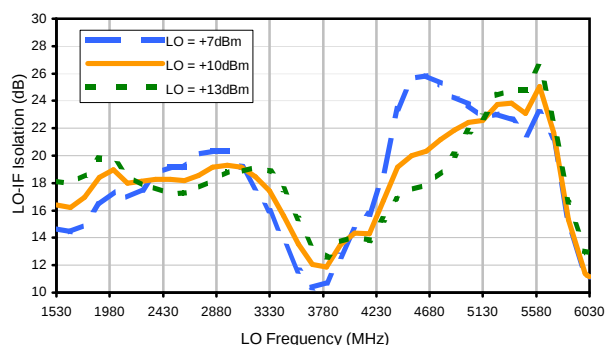


Typical Performance Curves

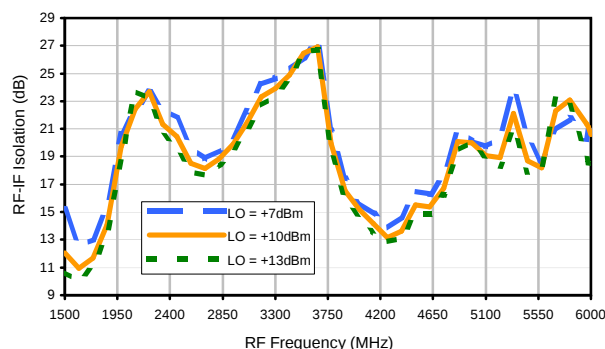
LO-RF Isolation



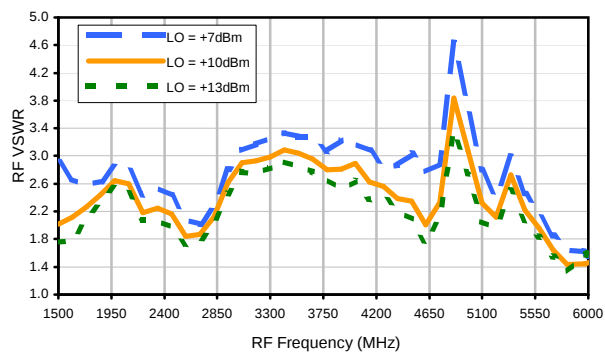
LO-IF Isolation



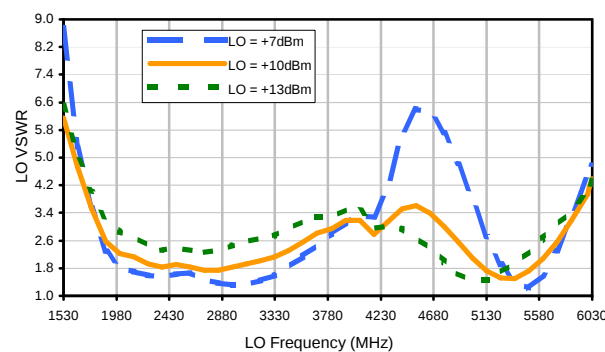
RF-IF Isolation



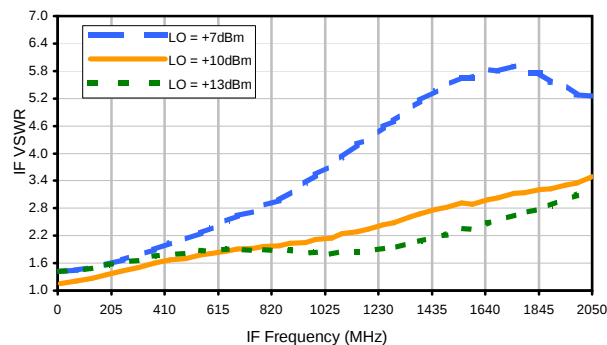
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+15	16	16	22	19	45	---	---	---	---
1	-	12	+0	25	21	41	34	39	51	---	---	---
2	>90	50	41	49	40	54	54	55	53	>73	---	---
3	>90	56	53	69	54	60	59	65	>73	66	71	---
4	>90	>73	>73	>73	73	>73	>73	>73	>73	>73	>73	>73
5	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
6	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
7	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
8	---	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73
9	---	---	---	---	>73	>73	>73	>73	>73	>73	>73	>73
10	---	---	---	---	---	>73	>73	>73	>73	>73	>73	>73
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3800 MHz; -10.00 dBm.
LO IN: 3830 MHz; +10.00 dBm
IF OUT: 30 MHz; -16.98 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+5	26	28	36	32	57	---	---	---	---
1	-	11	+0	28	19	49	37	47	60	---	---	---
2	69	36	33	37	33	46	46	65	49	72	---	---
3	>90	36	34	53	36	46	48	53	53	54	69	---
4	>90	65	62	56	50	60	50	70	61	70	68	80
5	>90	69	66	56	53	71	49	61	54	65	70	68
6	>90	>83	80	82	69	74	65	76	63	73	69	74
7	---	---	>83	>83	81	68	67	>83	60	69	64	70
8	---	---	---	>83	>83	>83	78	>83	79	>83	74	79
9	---	---	---	---	>83	>83	>83	79	77	>83	69	76
10	---	---	---	---	---	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3800 MHz; 0.00 dBm.
LO IN: 3830 MHz; +10.00 dBm
IF OUT: 30 MHz; -7.08 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.