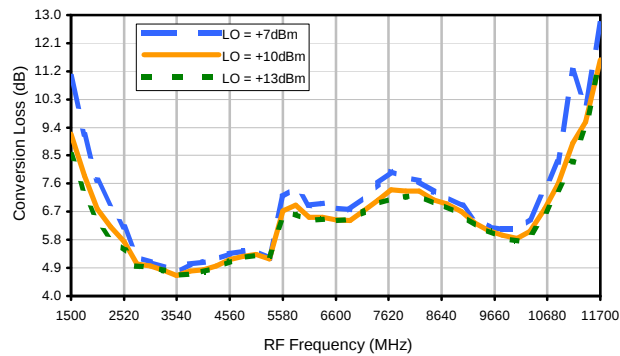
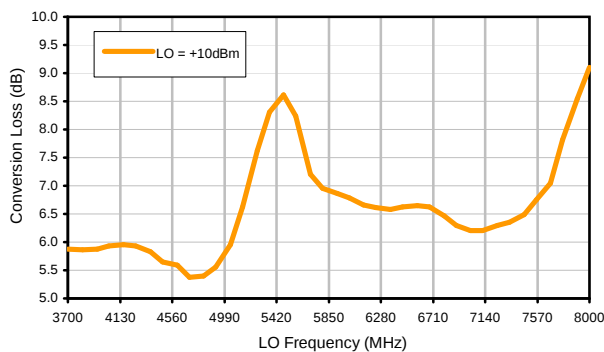


Typical Performance Curves

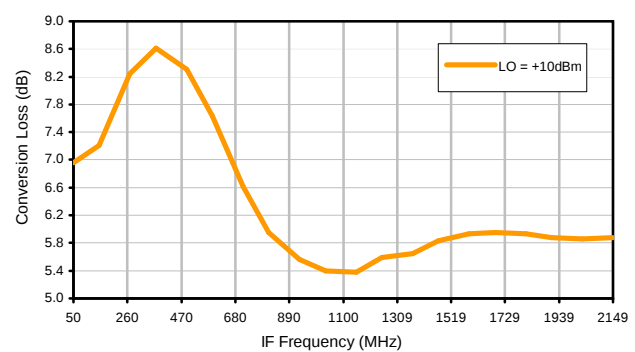
Conversion Loss @ IF=30MHz



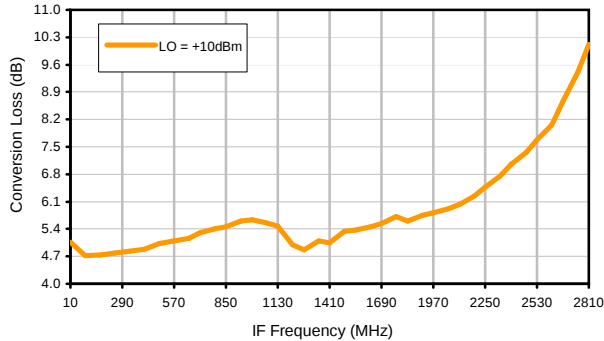
Conversion Loss vs. LO @ RF=5850MHz



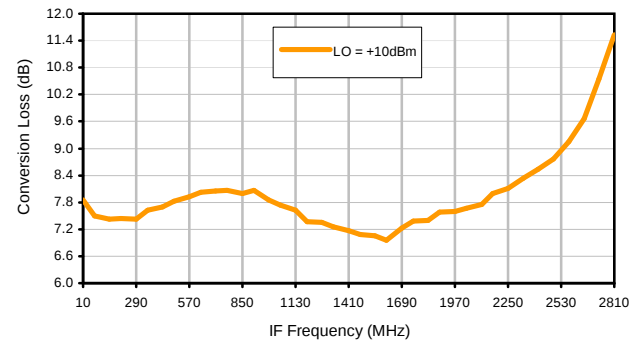
Conversion Loss vs. IF @ RF=5850MHz



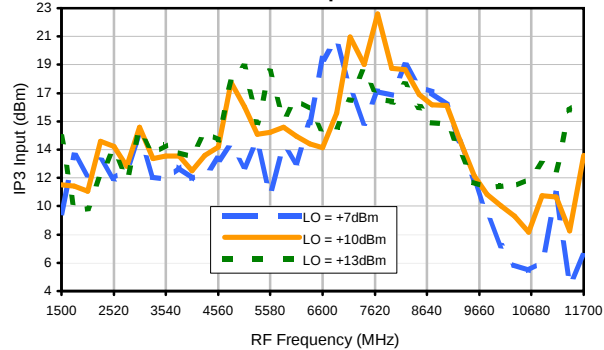
Conversion Loss vs. IF @ RF=3690MHz



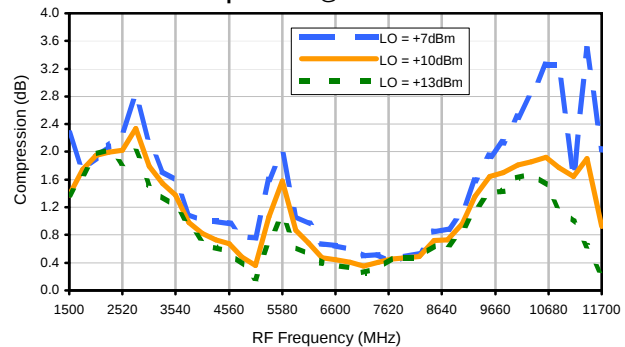
Conversion Loss vs. IF @ RF=8010.1MHz



IP3 Input

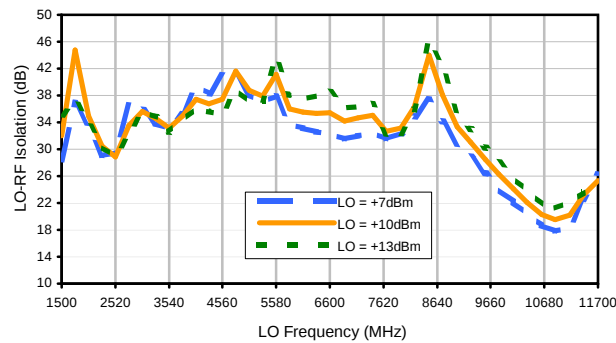


Compression @ RF IN=+5dBm

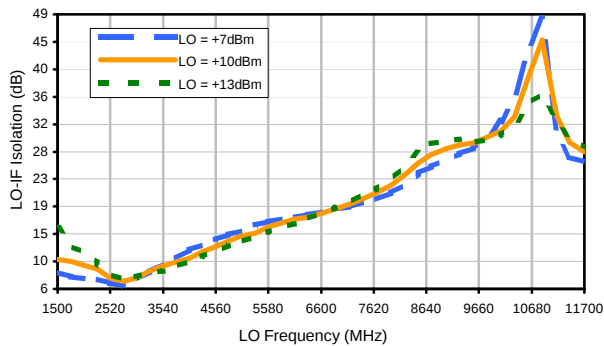


Typical Performance Curves

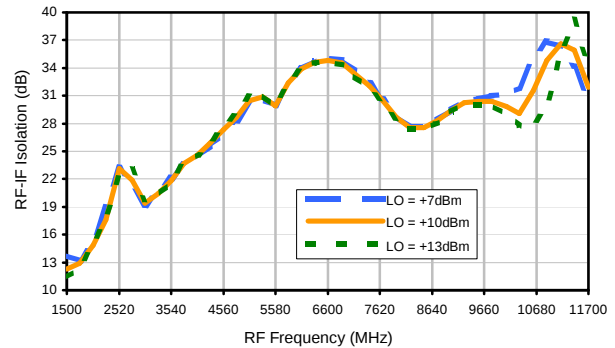
LO-RF Isolation



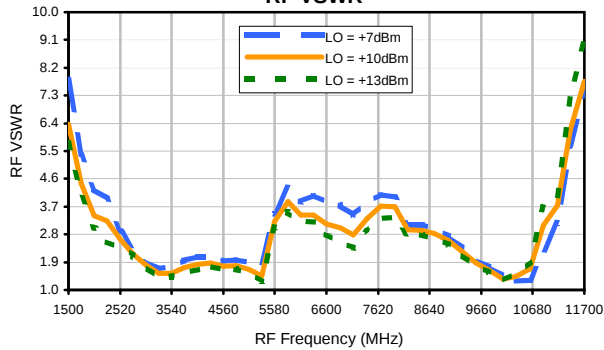
LO-IF Isolation



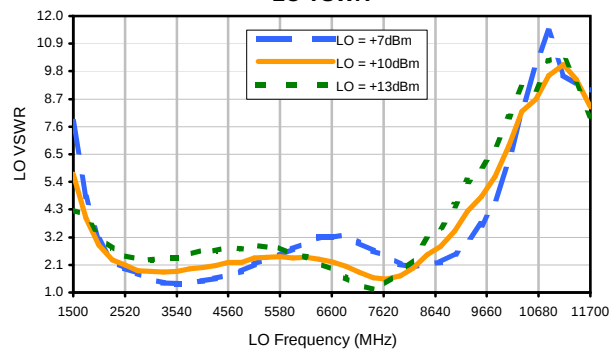
RF-IF Isolation



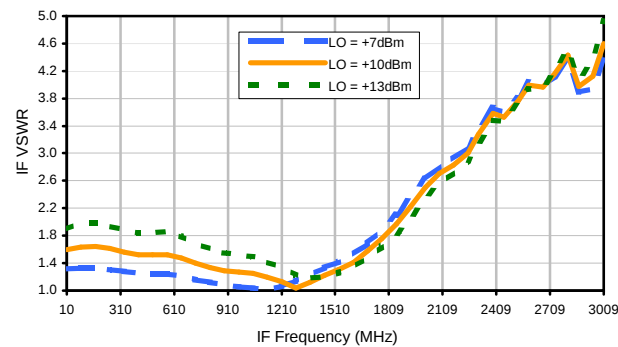
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

ZMX-8GLH

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+11	33	20	48	---	---	---	---	---	---
1	-	25	+0	49	29	45	54	---	---	---	---	---
2	82	63	55	51	54	>73	66	64	---	---	---	---
3	>90	72	>73	>73	67	>73	>73	>73	>73	---	---	---
4	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	---	---
5	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73	---
6	---	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73
7	---	---	---	---	>73	>73	>73	>73	>73	>73	>73	>73
8	---	---	---	---	---	>73	>73	>73	>73	>73	>73	>73
9	---	---	---	---	---	---	>73	>73	>73	>73	>73	>73
10	---	---	---	---	---	---	---	>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: 5850 MHz; -10.00 dBm.
LO IN: 5880 MHz; +10.00 dBm
IF OUT: 30 MHz; -17.11 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+1	42	30	67	---	---	---	---	---	---
1	-	25	+0	50	29	48	57	---	---	---	---	---
2	63	53	45	39	46	65	57	60	---	---	---	---
3	>90	53	54	69	44	67	66	66	72	---	---	---
4	>90	73	74	>83	69	60	68	77	74	70	---	---
5	---	---	>83	>83	82	>83	64	79	80	79	83	---
6	---	---	---	>83	>83	>83	>83	70	>83	>83	>83	81
7	---	---	---	---	>83	>83	>83	>83	79	>83	>83	>83
8	---	---	---	---	---	>83	>83	>83	>83	>83	>83	>83
9	---	---	---	---	---	---	>83	>83	>83	>83	>83	>83
10	---	---	---	---	---	---	---	>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: 5850 MHz; 0.00 dBm.
LO IN: 5880 MHz; +10.00 dBm
IF OUT: 30 MHz; -7.18 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.

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