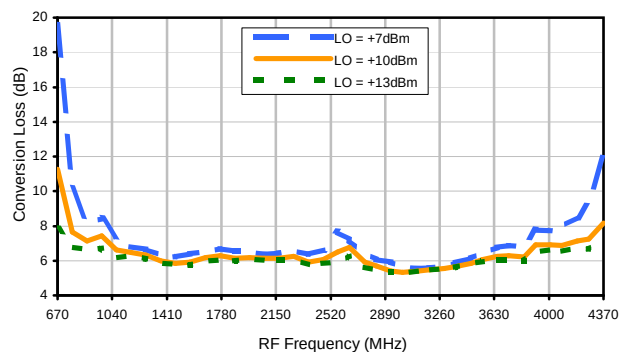
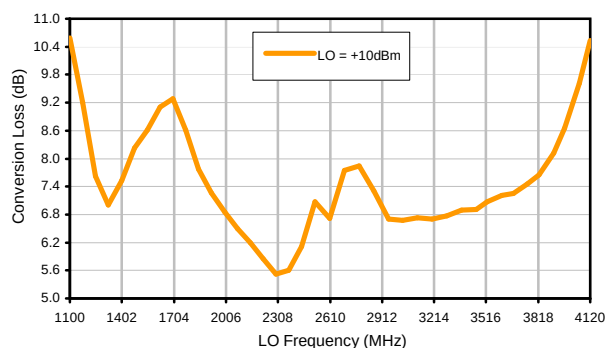


Typical Performance Curves

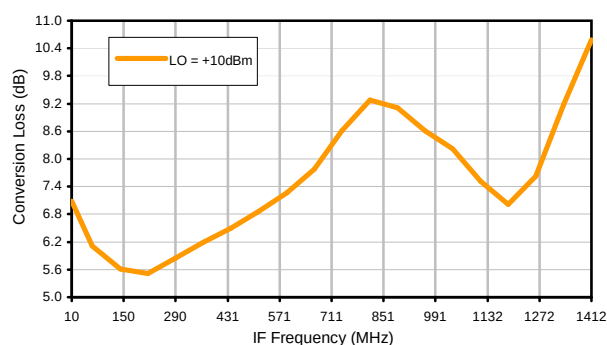
Conversion Loss @ IF=30MHz



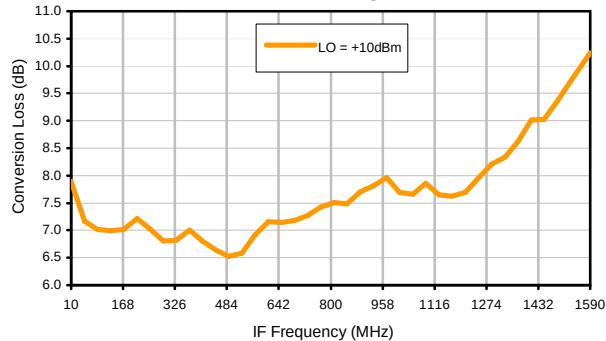
Conversion Loss vs. LO @ RF=2512MHz



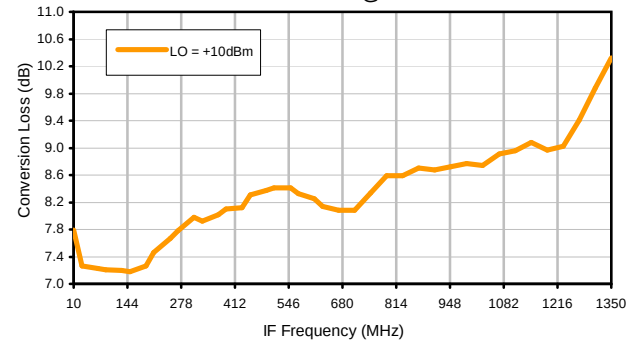
Conversion Loss vs. IF @ RF=2512MHz



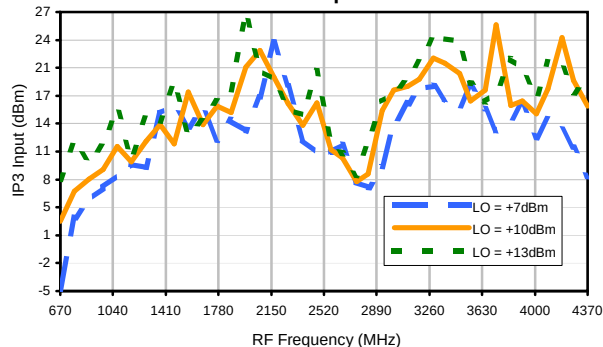
Conversion Loss vs. IF @ RF=813.9MHz



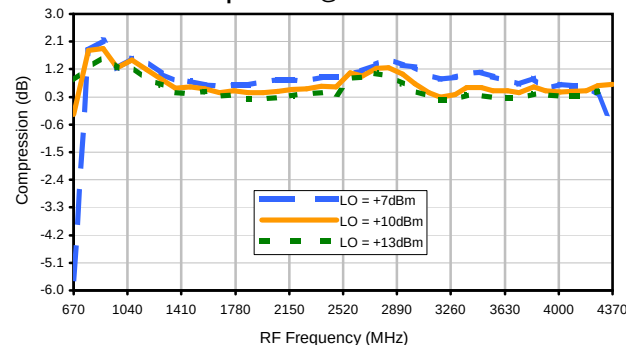
Conversion Loss vs. IF @ RF=4210.1MHz



IP3 Input

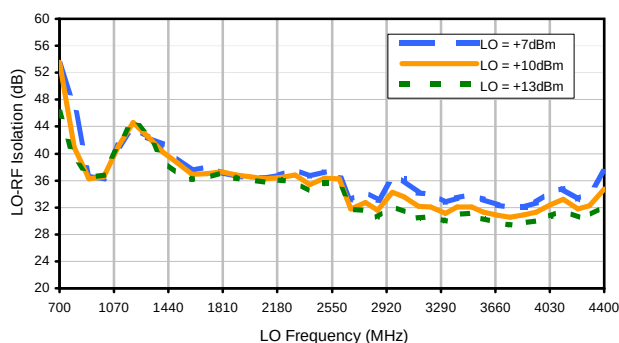


Compression @ RF IN=+5dBm

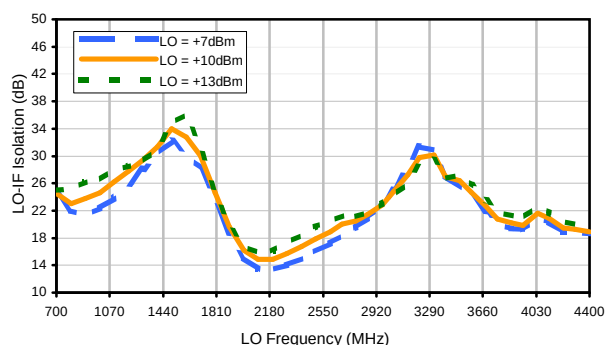


Typical Performance Curves

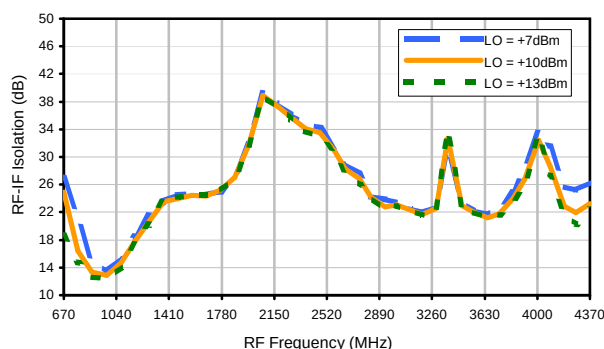
LO-RF Isolation



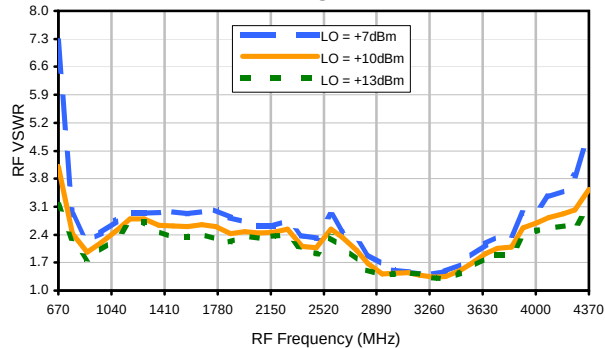
LO-IF Isolation



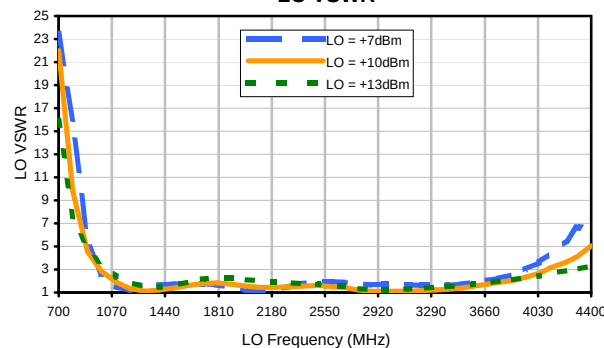
RF-IF Isolation



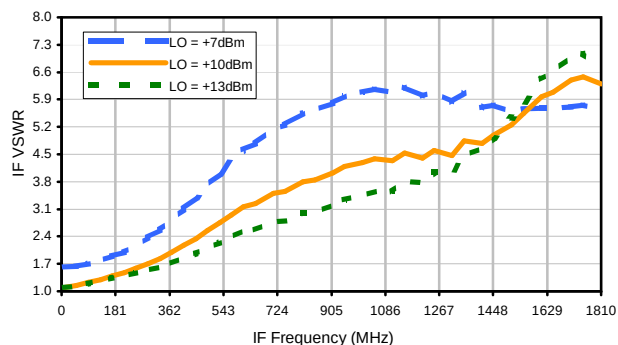
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+8	17	14	22	28	42	35	48	37	---
1	-	27	+0	35	20	52	32	50	46	68	45	>73
2	81	56	58	55	54	61	53	61	68	>73	>73	>73
3	>90	71	59	>73	54	>73	62	73	61	>73	73	>73
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	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
8	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
9	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
10	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions:

RF IN: 2512 MHz; -10.00 dBm.

LO IN: 2542 MHz; +10.00 dBm

IF OUT: 30 MHz; -16.78 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	2	27	28	35	40	54	48	55	48	---
1	-	27	+0	37	20	52	39	56	50	73	51	75
2	61	49	49	65	42	59	41	53	54	73	63	79
3	>90	51	42	61	39	55	52	60	45	65	58	79
4	>90	68	67	65	65	57	67	67	65	69	73	79
5	>90	67	58	74	59	74	51	74	61	69	64	80
6	>90	>83	80	83	68	81	79	82	67	>83	66	78
7	>90	>83	>83	>83	79	78	79	>83	68	76	>83	>83
8	>90	>83	>83	>83	>83	>83	82	82	>83	78	77	>83
9	>90	81	>83	>83	>83	>83	>83	>83	>83	>83	83	>83
10	---	---	>83	>83	>83	>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: 2512 MHz; 0.00 dBm.

LO IN: 2542 MHz; +10.00 dBm

IF OUT: 30 MHz; -6.66 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.

REV. X3

SIM-43LH+

101028

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