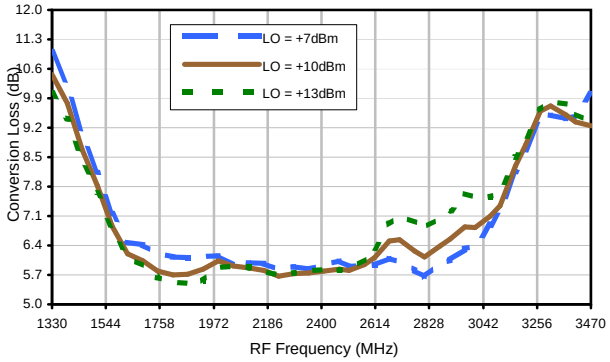
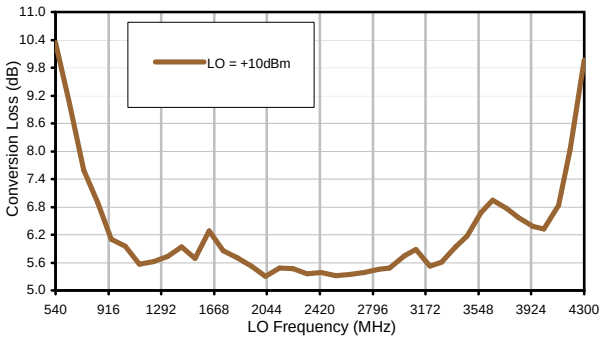
Typical Performance Curves

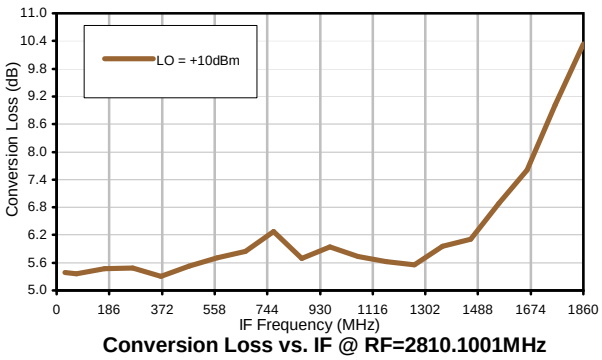
Conversion Loss @ IF=930MHz



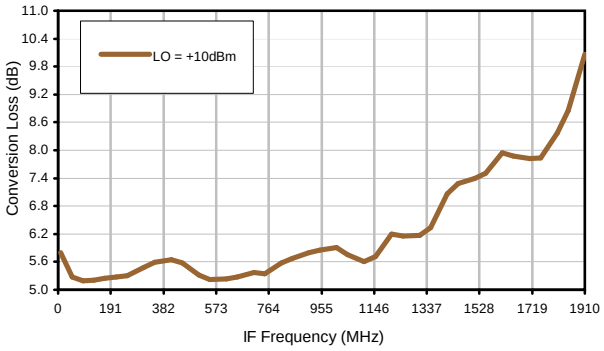
Conversion Loss vs. LO @ RF=2400MHz



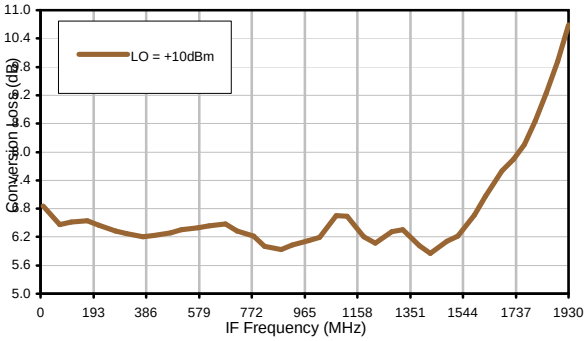
Conversion Loss vs. IF @ RF=2400MHz



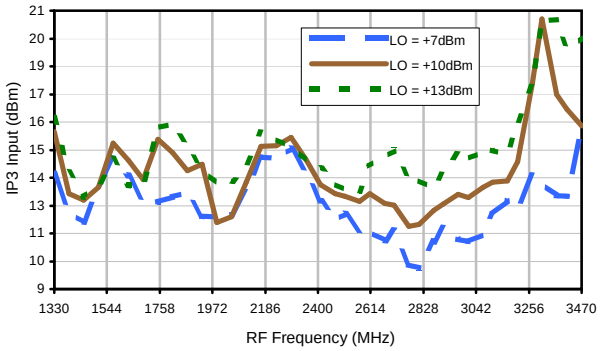
Conversion Loss vs. IF @ RF=1989.9MHz



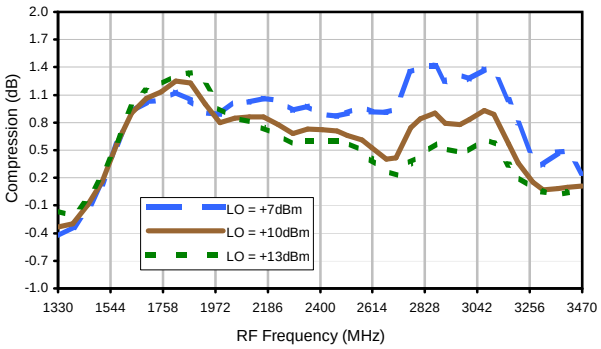
Conversion Loss vs. IF @ RF=2810.1001MHz



IP3 Input



Compression @ RF IN=+2dBm



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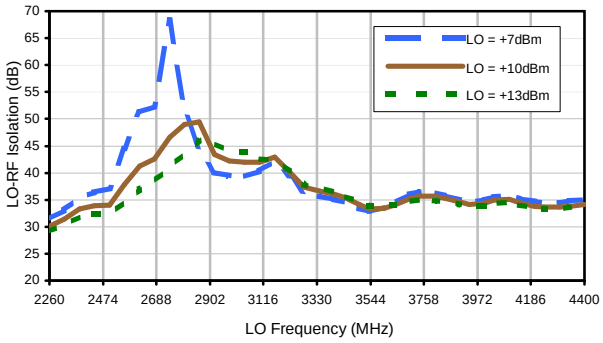
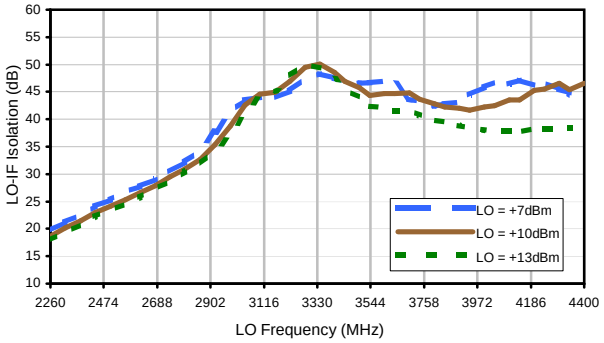
Typical Performance Curves

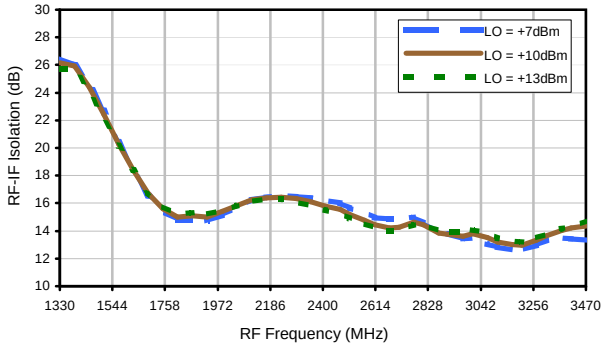
LO-RF Isolation



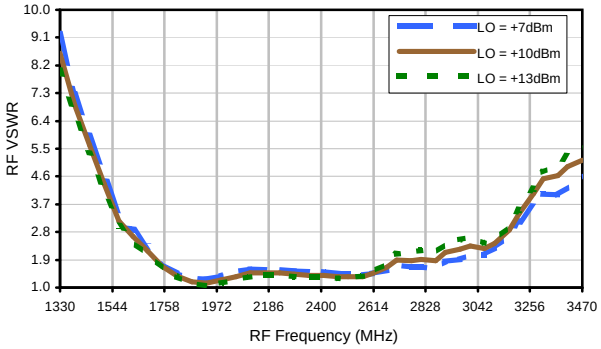
LO-IF Isolation



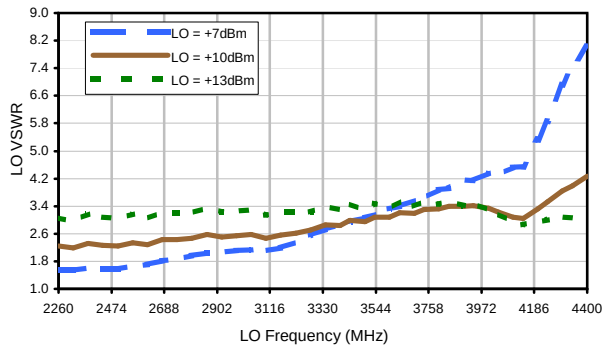
RF-IF Isolation



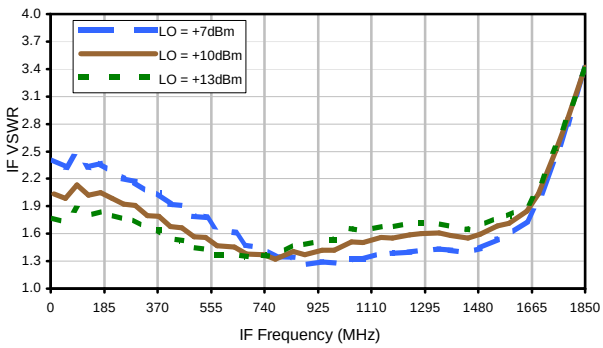
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	21	12	3	10	19	37	24	---	---	---
1	-	10	+0	30	29	27	25	45	>71	---	---	---
2	87	56	47	59	54	60	54	66	55	>71	---	---
3	>90	>71	>71	>71	>71	>71	70	>71	>71	>71	>71	---
4	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
5	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
6	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
7	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
8	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
9	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
10	---	---	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 2400 MHz; -13.00 dBm.**
LO IN: 3330 MHz; +10.00 dBm
IF OUT: 930 MHz; -18.99 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	32	22	14	22	30	50	38	---	---	---
1	-	10	+0	30	30	29	26	48	75	---	---	---
2	67	46	39	48	44	51	45	59	45	69	---	---
3	>90	65	64	53	65	66	51	66	65	78	68	---
4	>90	65	71	72	59	70	62	57	64	68	80	>81
5	>90	70	>81	79	78	75	>81	>81	>81	>81	>81	>81
6	>90	>81	>81	>81	>81	79	>81	>81	78	77	>81	>81
7	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
8	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
9	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
10	---	---	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 2400 MHz; -3.00 dBm.**
LO IN: 3330 MHz; +10.00 dBm
IF OUT: 930 MHz; -9 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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