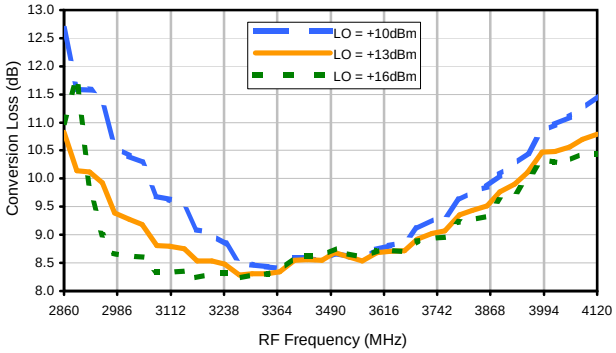
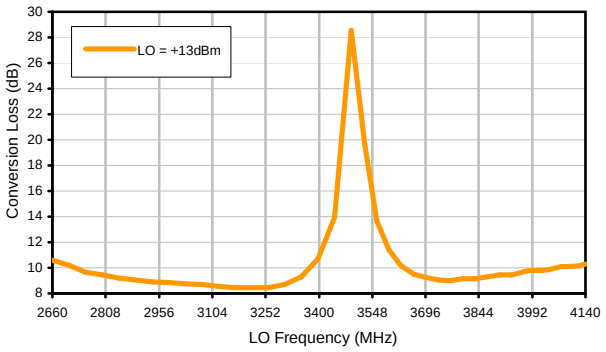
Typical Performance Curves

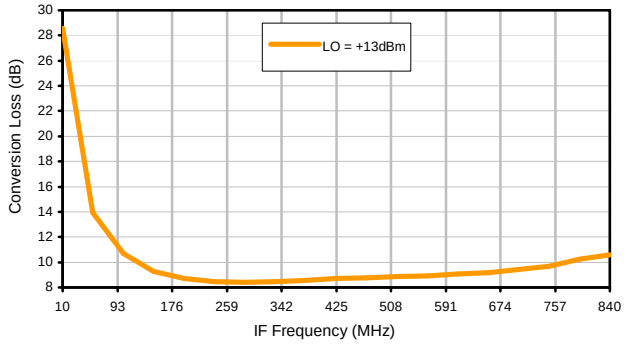
Conversion Loss @ IF=430MHz



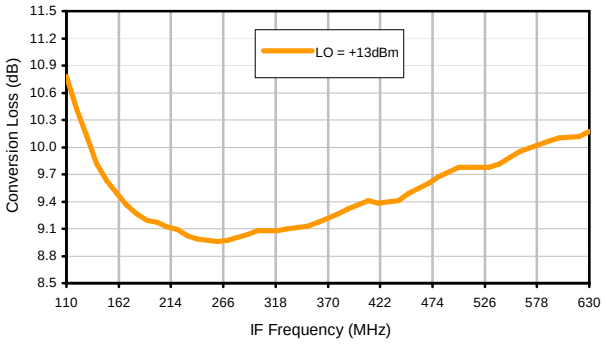
Conversion Loss vs. LO @ RF=3500MHz



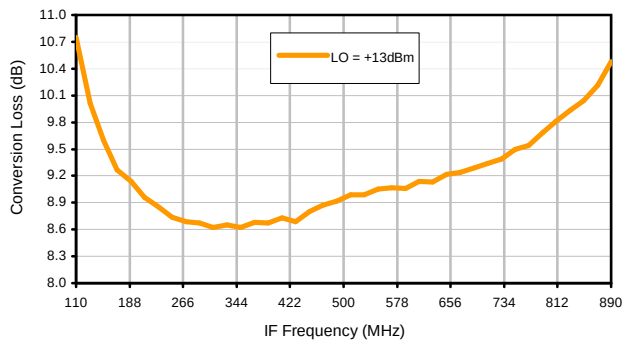
Conversion Loss vs. IF @ RF=3500MHz



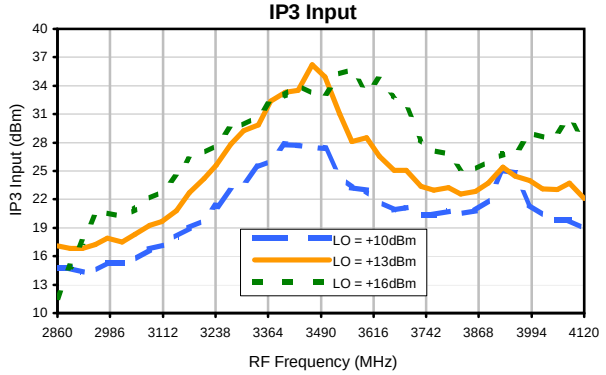
Conversion Loss vs. IF @ RF=3489.89MHz



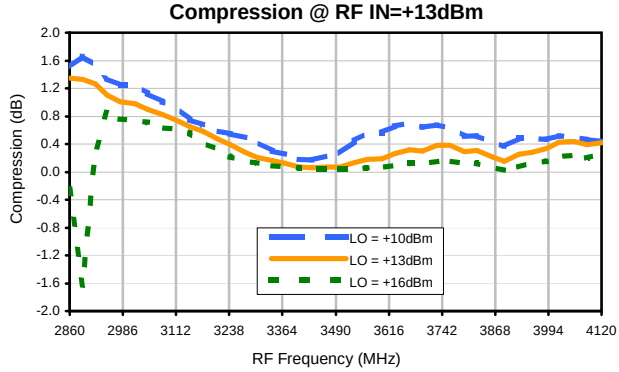
Conversion Loss vs. IF @ RF=3610.1001MHz



IP3 Input

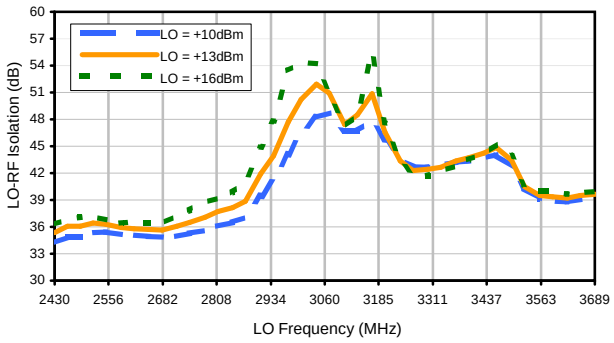


Compression @ RF IN=+13dBm

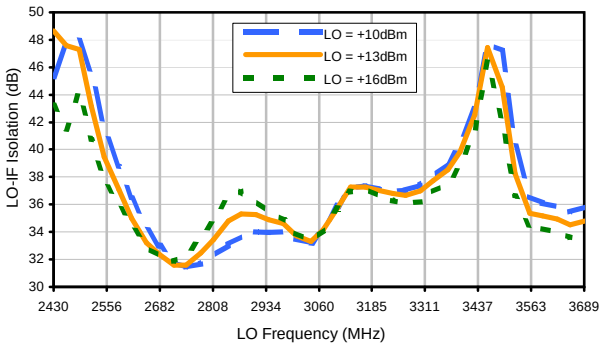


Typical Performance Curves

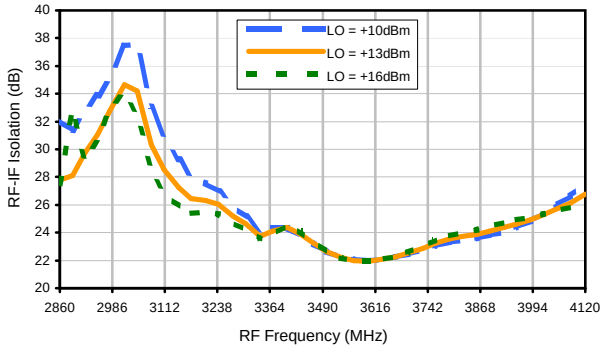
LO-RF Isolation



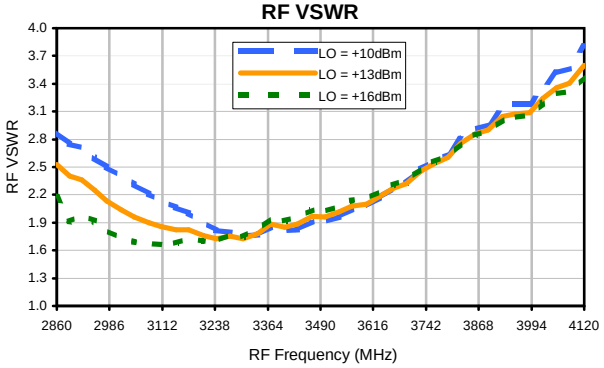
LO-IF Isolation



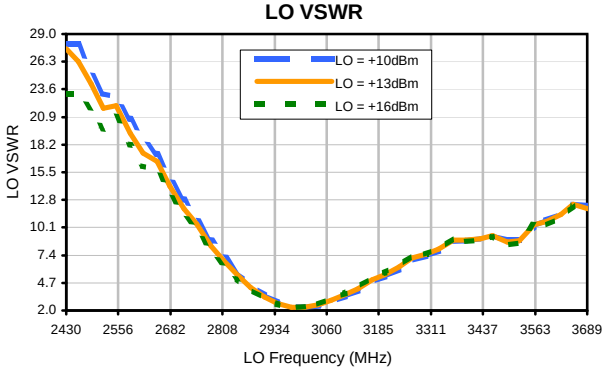
RF-IF Isolation



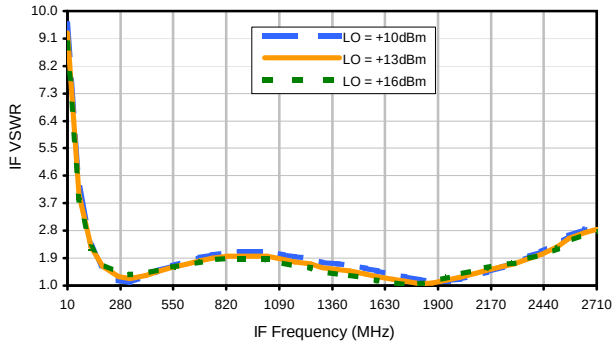
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	15	24	19	23	57	34	36	---	---	---
1	-	13	+0	33	22	28	38	52	48	56	---	---
2	69	55	66	60	50	60	62	65	74	63	72	---
3	>90	77	62	71	56	67	61	71	66	>80	>80	>80
4	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
5	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
6	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
7	---	---	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
8	---	---	---	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	---	---	---	---	>80	>80	>80	>80	>80	>80	>80	>80
10	---	---	---	---	---	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 3550 MHz; -2.00 dBm.
LO IN: 3120 MHz; +13.00 dBm
IF OUT: 430 MHz; -10.23 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	24	32	29	34	60	51	48	---	---	---
1	-	13	+0	34	23	29	40	55	51	55	---	---
2	49	45	56	53	40	50	53	55	68	55	67	---
3	73	55	42	55	36	49	42	55	48	74	80	83
4	>90	80	83	68	66	63	68	58	67	73	72	71
5	>90	>90	>90	84	72	73	60	68	64	74	69	72
6	>90	84	>90	82	>90	>90	>90	77	82	79	81	80
7	---	---	>90	>90	>90	>90	85	>90	76	80	77	>90
8	---	---	---	>90	>90	>90	>90	>90	>90	89	85	87
9	---	---	---	---	>90	>90	>90	>90	>90	>90	82	88
10	---	---	---	---	---	>90	>90	>90	>90	>90	>90	>90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3550 MHz; 8.00 dBm.
LO IN: 3120 MHz; +13.00 dBm
IF OUT: 430 MHz; -0.36 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.