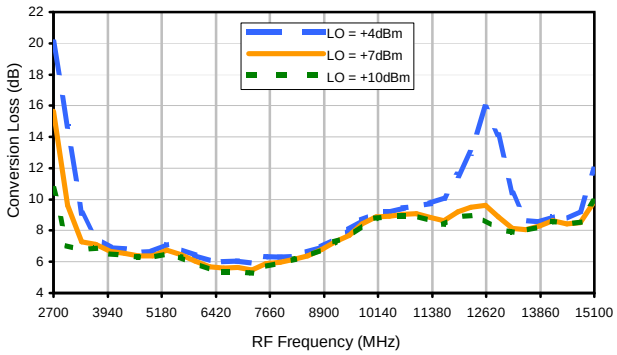
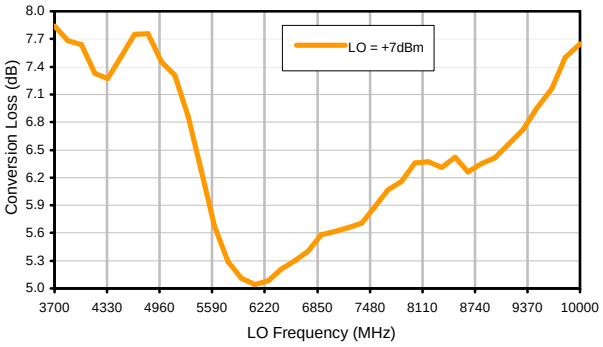
Typical Performance Curves

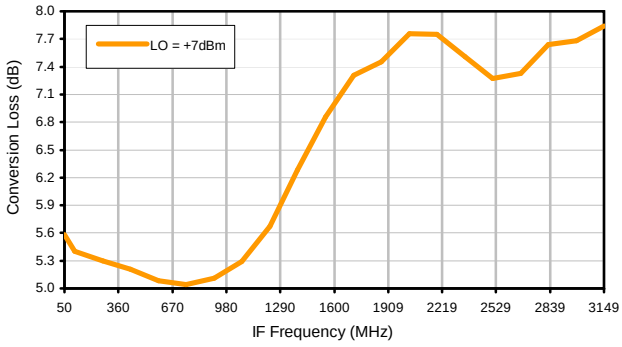
Conversion Loss @ IF=30MHz



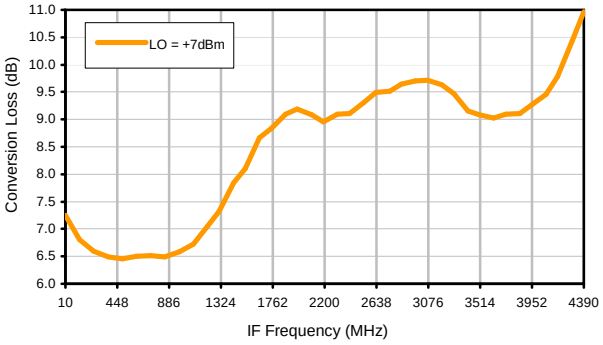
Conversion Loss vs. LO @ RF=6850MHz



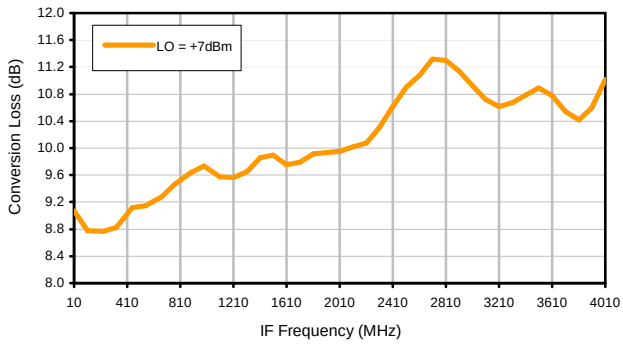
Conversion Loss vs. IF @ RF=6850MHz



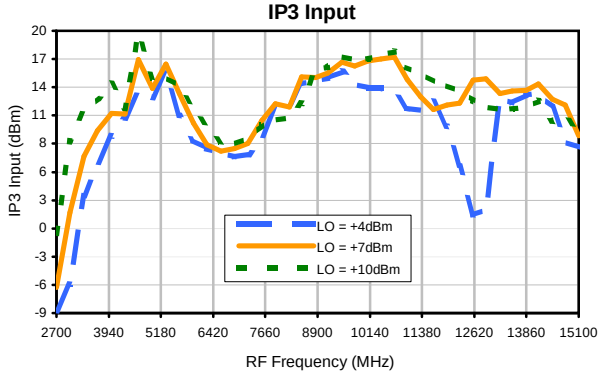
Conversion Loss vs. IF @ RF=3690MHz



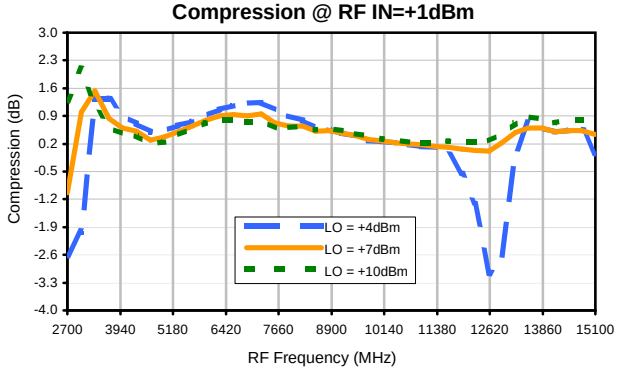
Conversion Loss vs. IF @ RF=10010.09MHz



IP3 Input

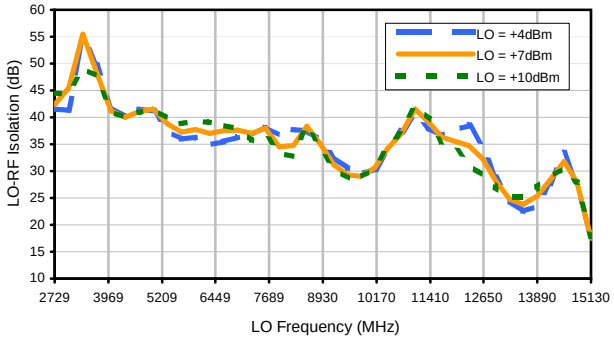


Compression @ RF IN=+1dBm

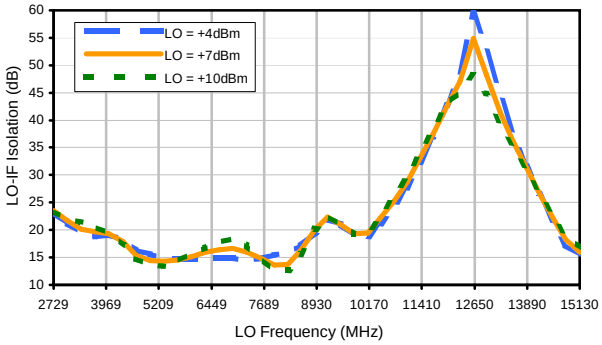


Typical Performance Curves

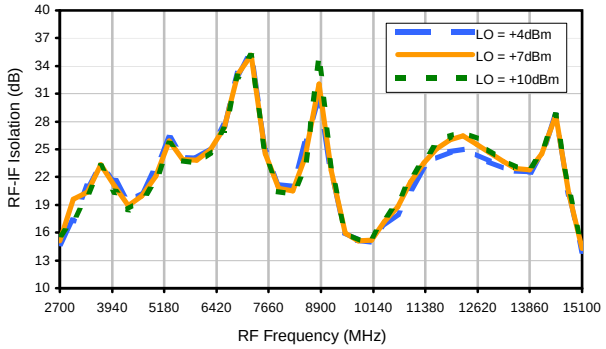
LO-RF Isolation



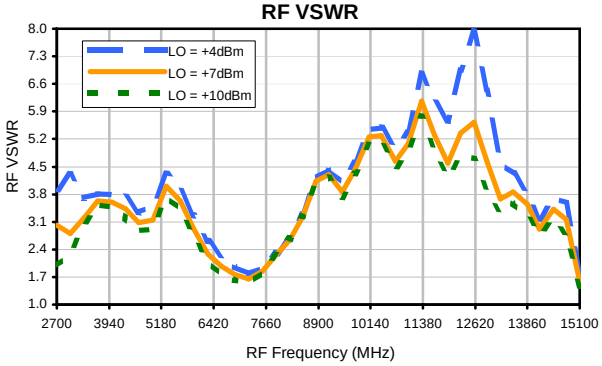
LO-IF Isolation



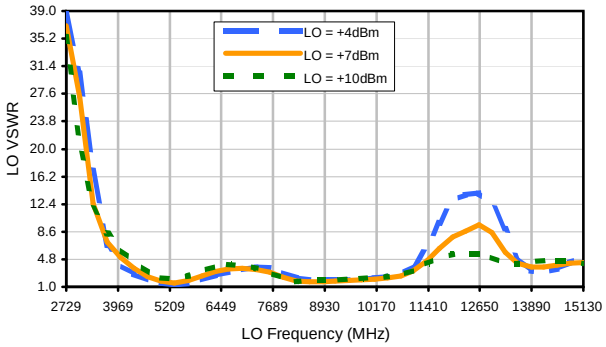
RF-IF Isolation



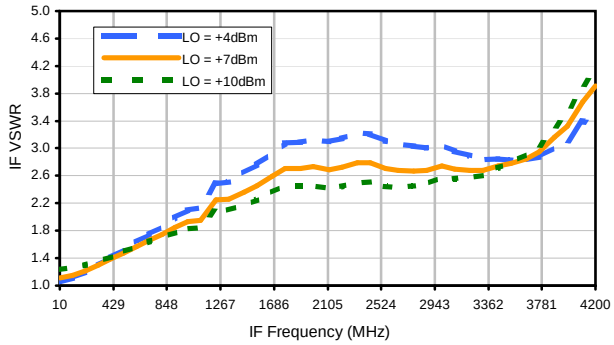
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+10	31	15	---	---	---	---	---	---	---
1	-	25	+0	47	27	53	---	---	---	---	---	---
2	86	62	47	57	47	68	56	---	---	---	---	---
3	>90	>70	69	>70	57	>70	>70	>70	---	---	---	---
4	---	---	>70	>70	>70	>70	>70	>70	>70	---	---	---
5	---	---	---	>70	>70	>70	>70	>70	>70	>70	---	---
6	---	---	---	---	>70	>70	>70	>70	>70	>70	>70	---
7	---	---	---	---	---	>70	>70	>70	>70	>70	>70	>70
8	---	---	---	---	---	---	>70	>70	>70	>70	>70	>70
9	---	---	---	---	---	---	---	>70	>70	>70	>70	>70
10	---	---	---	---	---	---	---	---	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 6850 MHz; -14.00 dBm.**
LO IN: 6880 MHz; +7.00 dBm
IF OUT: 30 MHz; -19.69 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+0	45	27	---	---	---	---	---	---	---
1	-	25	+0	49	27	58	---	---	---	---	---	---
2	66	53	37	46	40	62	50	---	---	---	---	---
3	>90	63	49	64	36	64	56	75	---	---	---	---
4	---	---	>80	77	61	>80	58	>80	74	---	---	---
5	---	---	---	>80	73	>80	54	>80	69	>80	---	---
6	---	---	---	---	>80	>80	>80	>80	73	>80	74	---
7	---	---	---	---	---	>80	>80	>80	67	>80	80	>80
8	---	---	---	---	---	---	>80	>80	>80	>80	>80	>80
9	---	---	---	---	---	---	---	>80	>80	>80	79	>80
10	---	---	---	---	---	---	---	---	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 6850 MHz; -4.00 dBm.**
LO IN: 6880 MHz; +7.00 dBm
IF OUT: 30 MHz; -9.81 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.