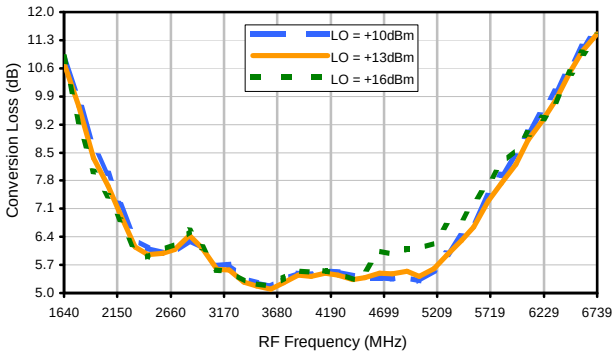
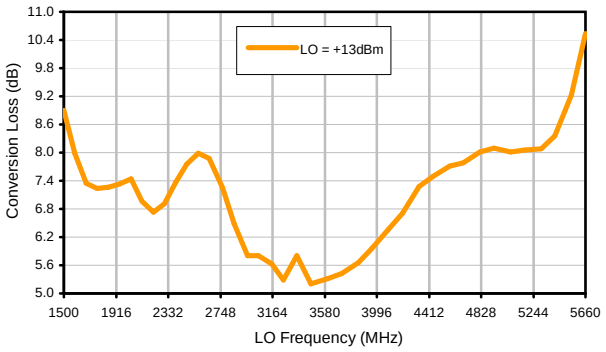
Typical Performance Curves

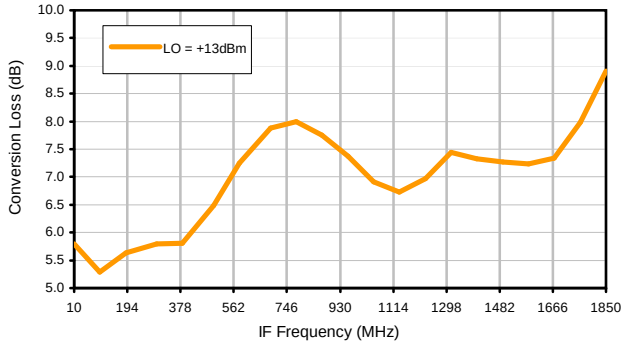
Conversion Loss @ IF=30MHz



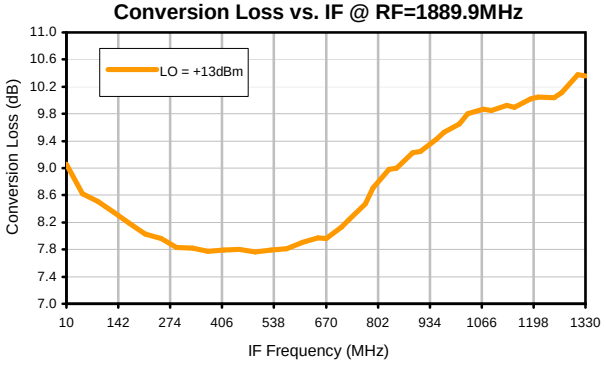
Conversion Loss vs. LO @ RF=3350MHz



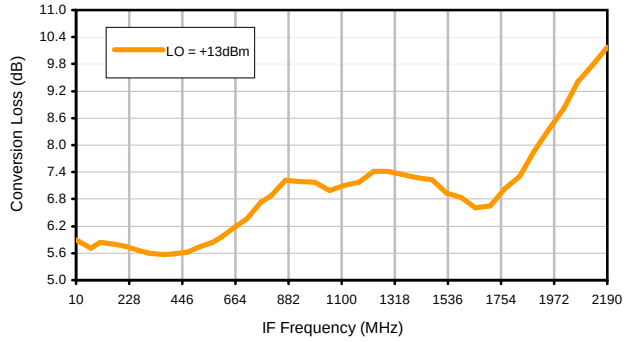
Conversion Loss vs. IF @ RF=3350MHz



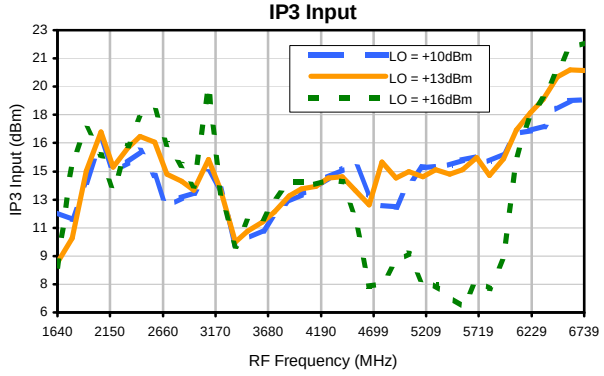
Conversion Loss vs. IF @ RF=1889.9MHz



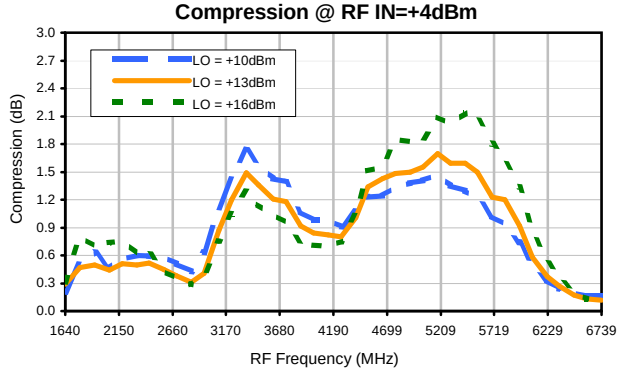
Conversion Loss vs. IF @ RF=4810.1MHz



IP3 Input

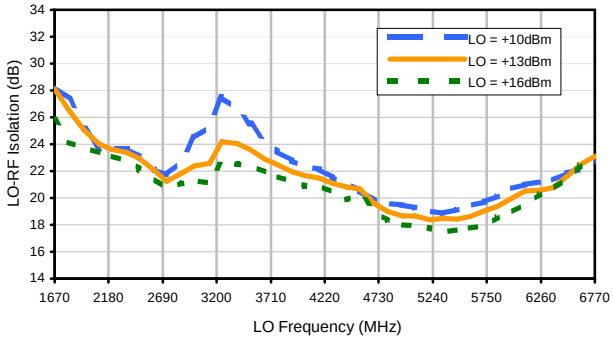


Compression @ RF IN=+4dBm

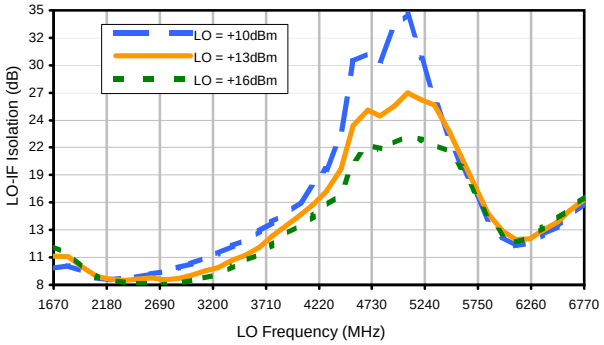


Typical Performance Curves

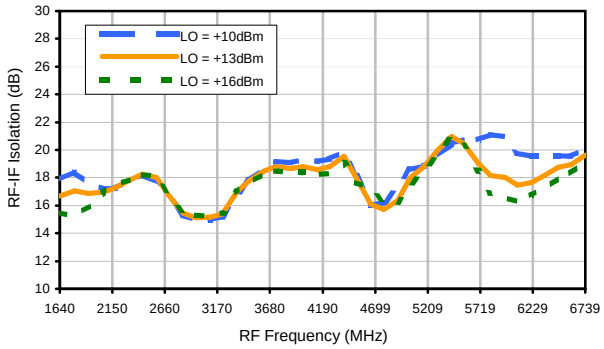
LO-RF Isolation



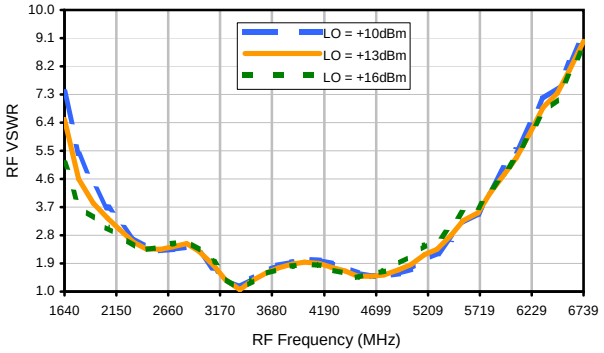
LO-IF Isolation



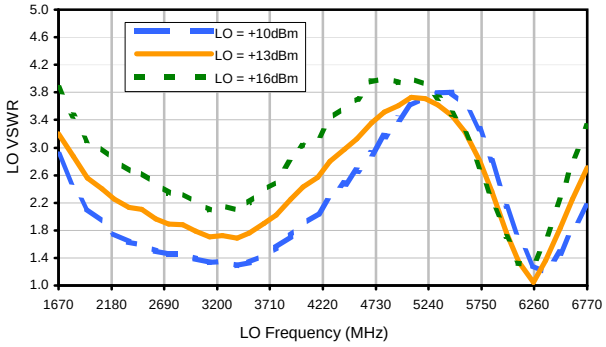
RF-IF Isolation



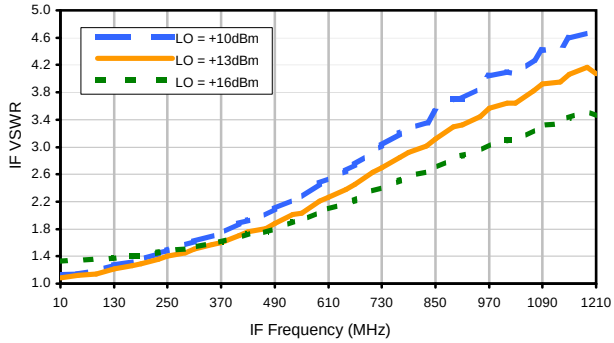
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+19	3	+2	12	37	34	45	---	---	---
1	-	11	+0	26	14	42	32	49	46	73	---	---
2	>90	57	54	49	48	56	47	60	73	63	>74	---
3	>90	59	56	68	56	>74	65	70	69	>74	>74	>74
4	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
5	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
6	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
7	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
8	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
9	---	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74
10	---	---	---	---	>74	>74	>74	>74	>74	>74	>74	>74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 3350 MHz; -11.00 dBm.**
LO IN: 3380 MHz; +13.00 dBm
IF OUT: 30 MHz; -16.3 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+9	13	8	23	46	50	57	---	---	---
1	-	12	+0	28	15	38	35	54	49	65	---	---
2	75	44	44	38	38	44	39	49	65	60	77	---
3	>90	38	35	48	35	54	45	51	54	64	68	82
4	>90	72	61	58	70	49	61	60	62	67	71	69
5	>90	79	72	75	69	70	58	81	64	61	70	84
6	>90	>84	>84	82	76	69	84	59	76	68	81	75
7	>90	>84	>84	>84	82	>84	82	>84	77	>84	77	72
8	---	---	>84	>84	>84	>84	>84	79	>84	70	>84	79
9	---	---	---	>84	>84	>84	>84	>84	>84	>84	79	>84
10	---	---	---	---	>84	>84	>84	>84	>84	>84	>84	82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 3350 MHz; -1.00 dBm.**
LO IN: 3380 MHz; +13.00 dBm
IF OUT: 30 MHz; -6.41 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.