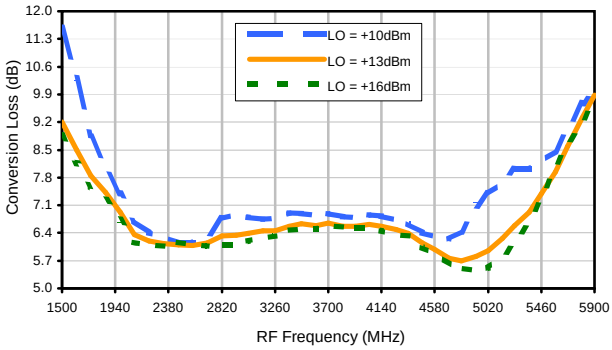
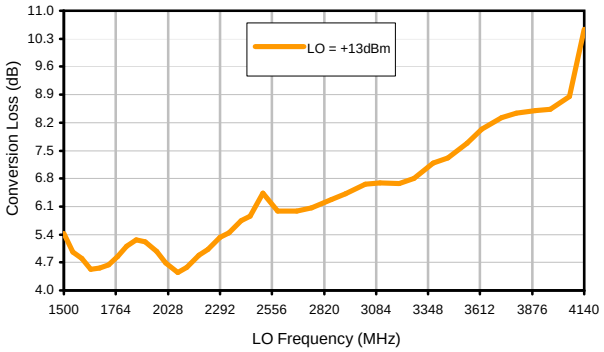
Typical Performance Curves

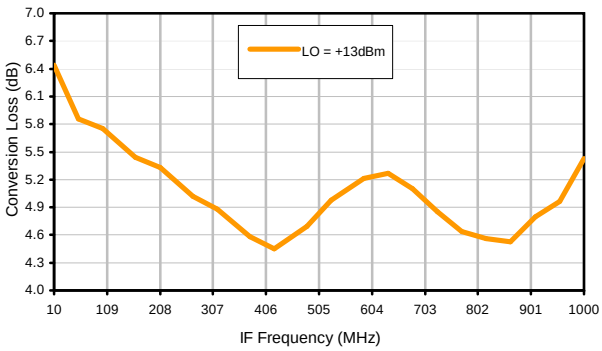
Conversion Loss @ IF=30MHz



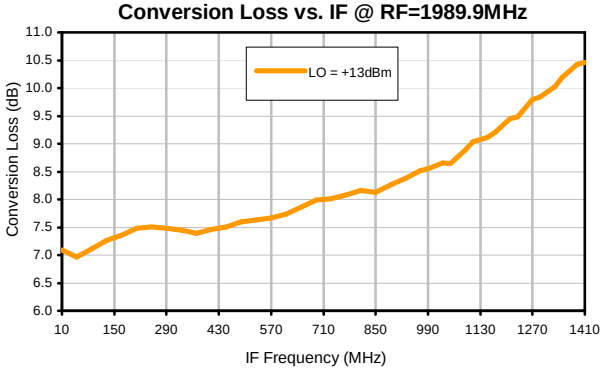
Conversion Loss vs. LO @ RF=2500MHz



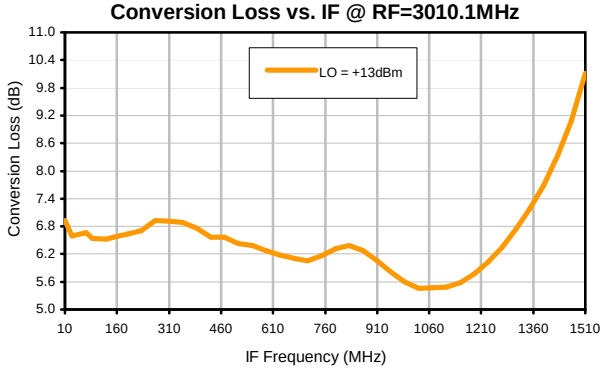
Conversion Loss vs. IF @ RF=2500MHz



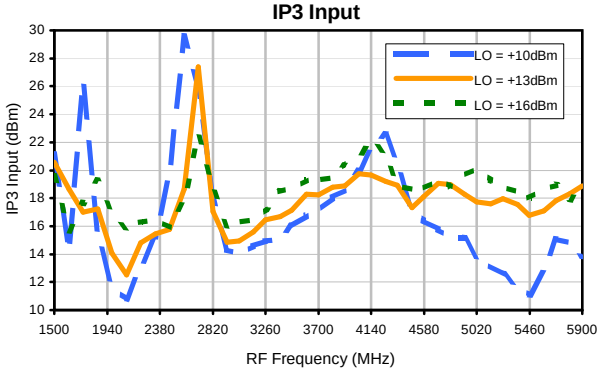
Conversion Loss vs. IF @ RF=1989.9MHz



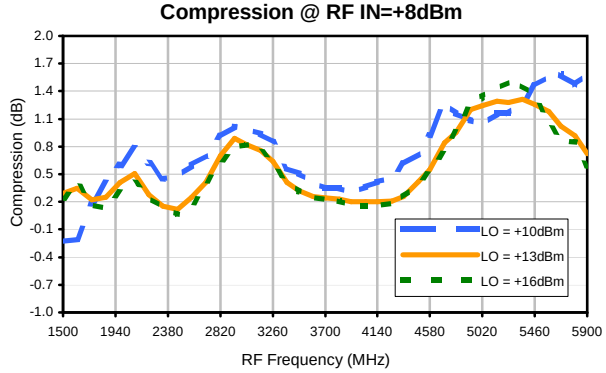
Conversion Loss vs. IF @ RF=3010.1MHz



IP3 Input

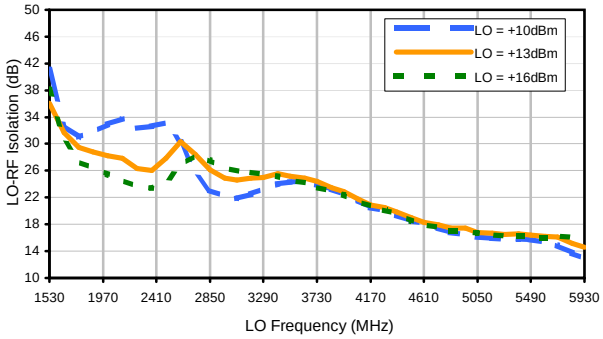


Compression @ RF IN=+8dBm

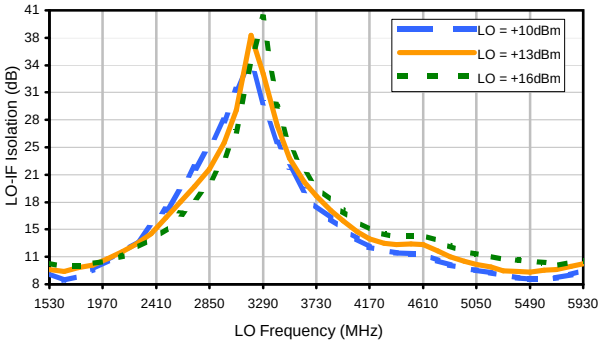


Typical Performance Curves

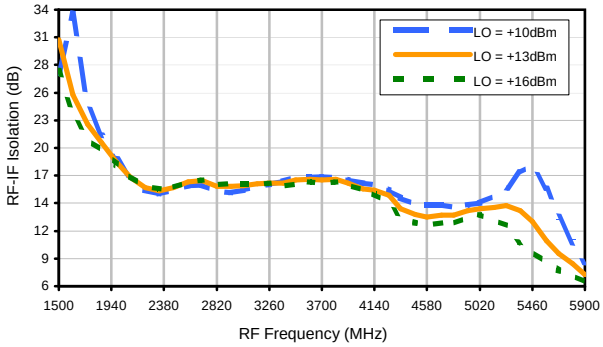
LO-RF Isolation



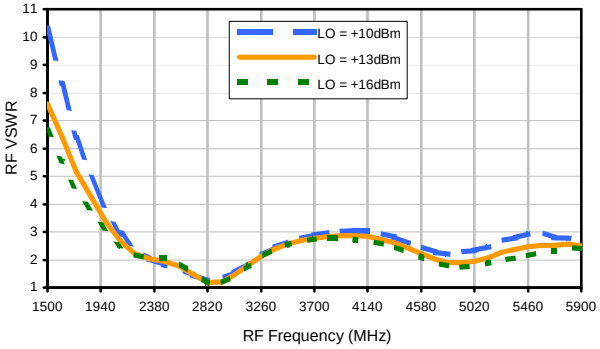
LO-IF Isolation



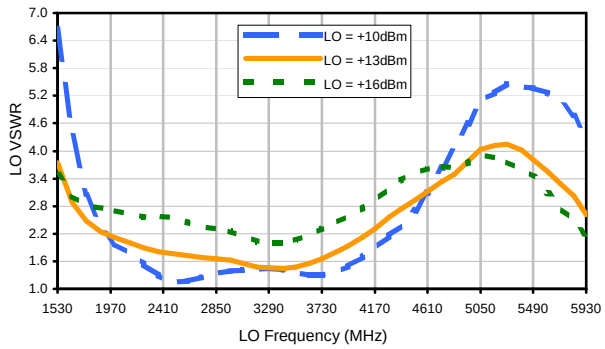
RF-IF Isolation



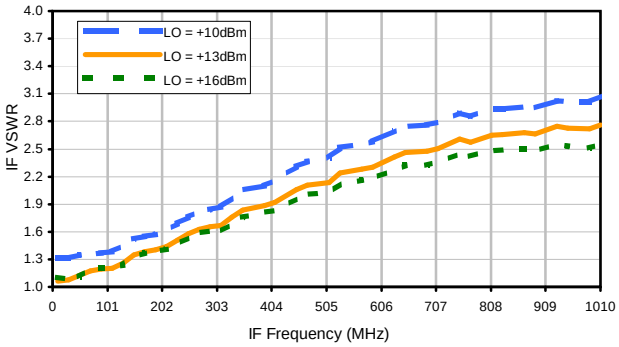
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+9	+1	5	30	21	27	32	45	38	---
1	-	10	+0	18	10	38	36	38	39	47	48	47
2	75	42	48	38	46	44	46	46	54	50	59	61
3	>90	71	68	63	64	64	60	75	>77	76	72	77
4	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	---	---	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 2500 MHz; -7.00 dBm.
LO IN: 2530 MHz; +13.00 dBm
IF OUT: 30 MHz; -13.03 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	1	9	17	39	34	40	50	54	59	---
1	-	10	+0	20	11	38	39	44	44	55	57	56
2	55	32	38	28	38	35	38	42	47	45	57	58
3	>90	52	52	45	44	42	38	58	65	58	54	64
4	>90	79	68	73	63	60	59	59	59	53	81	60
5	>90	80	71	71	75	66	58	64	60	69	62	70
6	>90	84	>87	81	>87	77	80	68	69	69	70	79
7	>90	>87	83	>87	>87	84	>87	78	73	74	74	79
8	>90	>87	>87	>87	>87	>87	>87	>87	85	80	84	81
9	>90	>87	>87	>87	>87	>87	>87	>87	87	>87	>87	>87
10	---	---	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 2500 MHz; 3.00 dBm.
LO IN: 2530 MHz; +13.00 dBm
IF OUT: 30 MHz; -3.04 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.