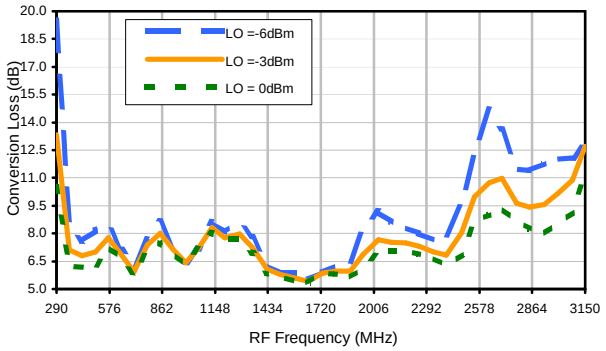
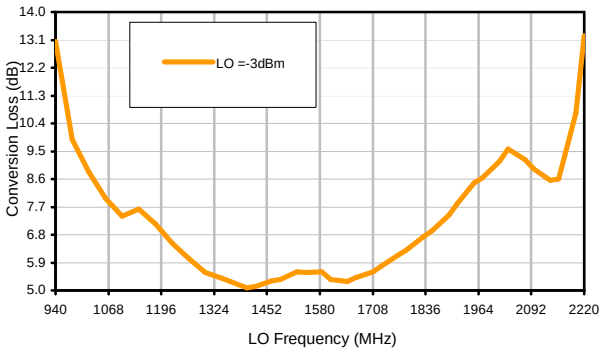
Typical Performance Curves

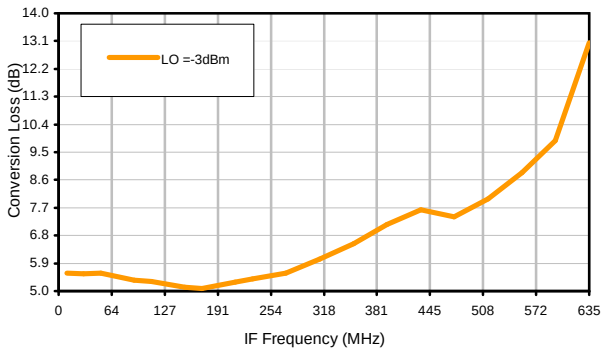
Conversion Loss @ IF=30MHz



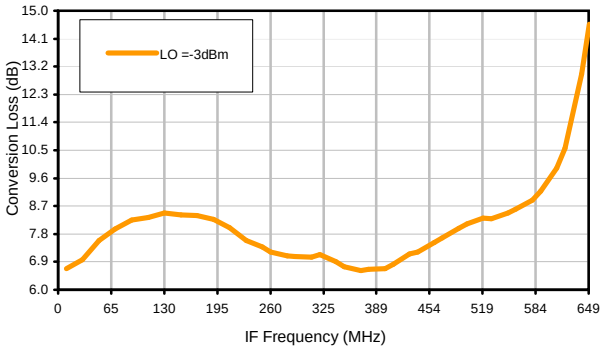
Conversion Loss vs. LO @ RF=1575.1MHz



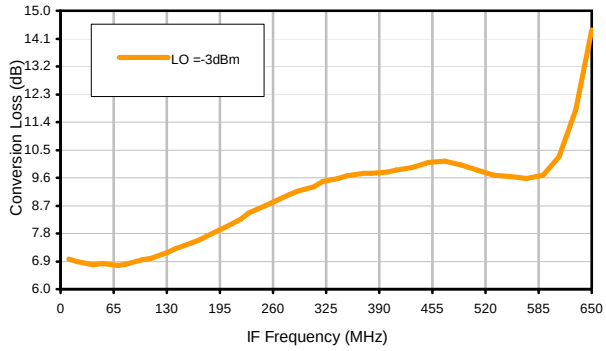
Conversion Loss vs. IF @ RF=1575.1MHz



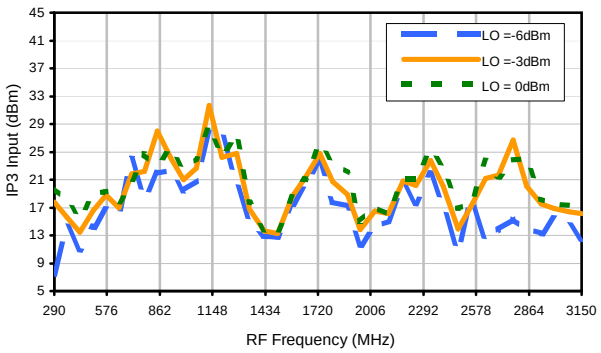
Conversion Loss vs. IF @ RF=750.1MHz



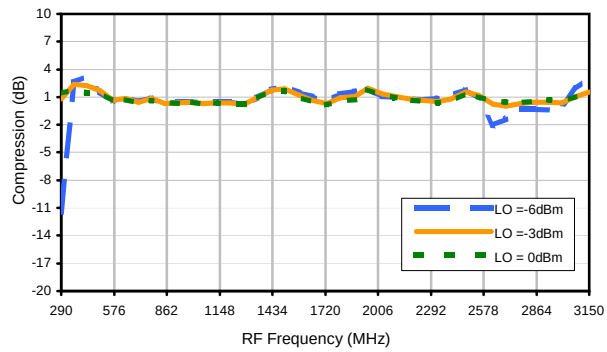
Conversion Loss vs. IF @ RF=2400.1001MHz



IP3 Input

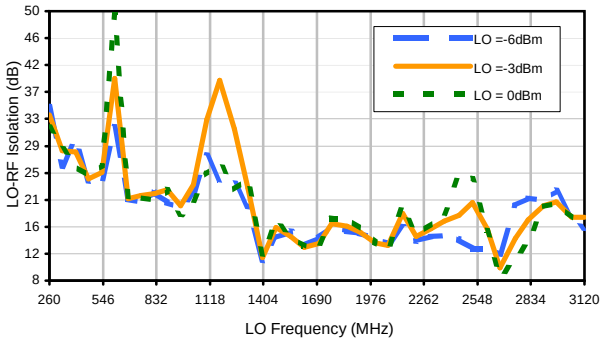


Compression @ RF IN=+10dBm

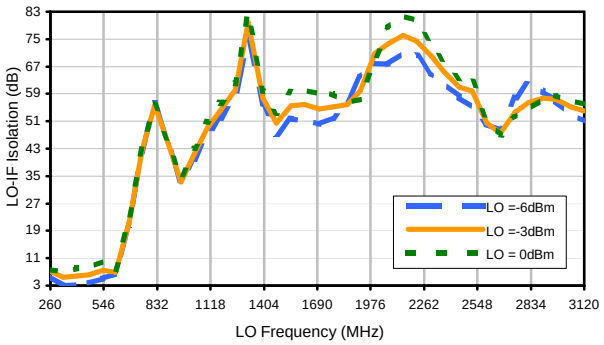


Typical Performance Curves

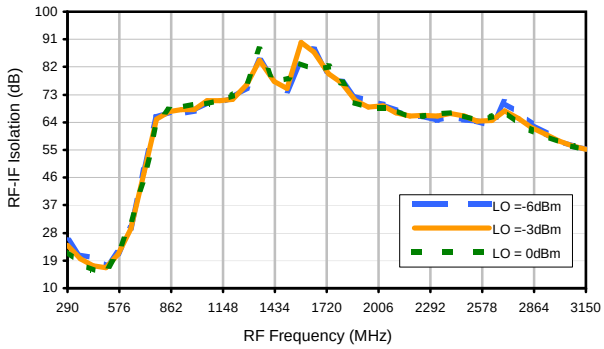
LO-RF Isolation



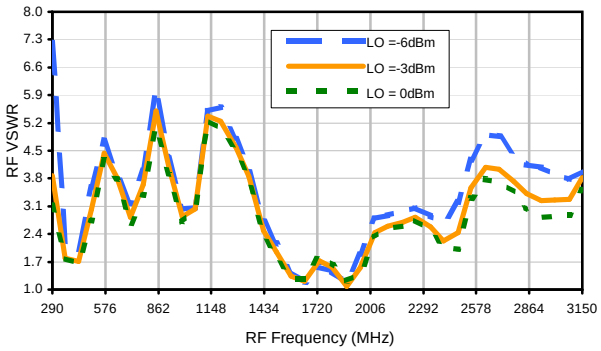
LO-IF Isolation



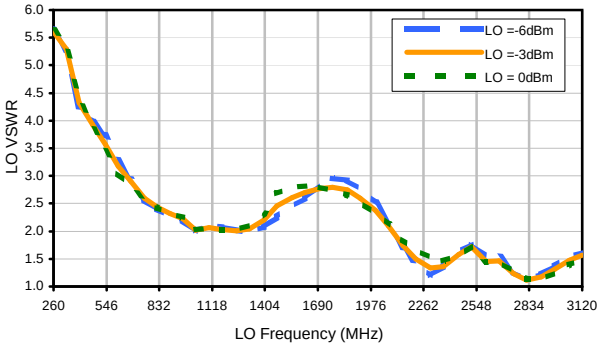
RF-IF Isolation



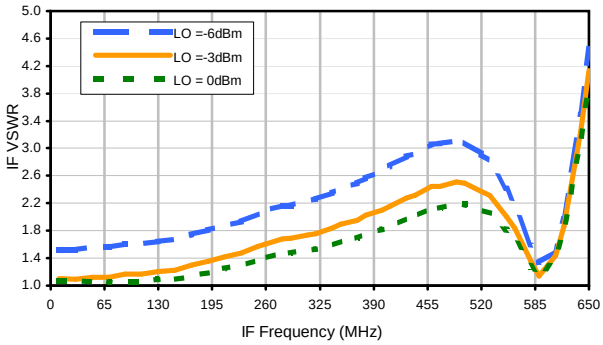
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	45	59	23	34	37	35	42	73	36	55
1	-	79	+0	77	65	66	40	66	40	64	60	52
2	67	>79	>79	48	>79	>79	64	68	68	74	70	>79
3	>90	>79	>79	>79	54	>79	>79	>79	78	>79	74	>79
4	>90	>79	>79	>79	>79	76	>79	>79	>79	>79	>79	>79
5	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 1575.1 MHz; -5.00 dBm.**
LO IN: 1545.1 MHz; +-3.00 dBm
IF OUT: 30 MHz; -10.5 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	57	70	35	47	54	47	56	77	51	66
1	-	79	+0	76	66	68	42	67	42	71	65	59
2	47	>89	86	37	75	>89	55	61	63	68	73	>89
3	87	84	>89	>89	33	>89	>89	80	63	83	64	84
4	>90	76	79	>89	>89	58	>89	>89	73	78	78	>89
5	>90	83	78	>89	>89	>89	52	>89	>89	>89	77	>89
6	>90	85	84	>89	>89	>89	>89	77	>89	>89	>89	>89
7	>90	>89	84	>89	88	>89	>89	>89	68	>89	>89	>89
8	>90	>89	>89	>89	>89	>89	>89	>89	>89	76	>89	>89
9	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	79	>89
10	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 1575.1 MHz; 5.00 dBm.**
LO IN: 1545.1 MHz; +-3.00 dBm
IF OUT: 30 MHz; -0.78 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.