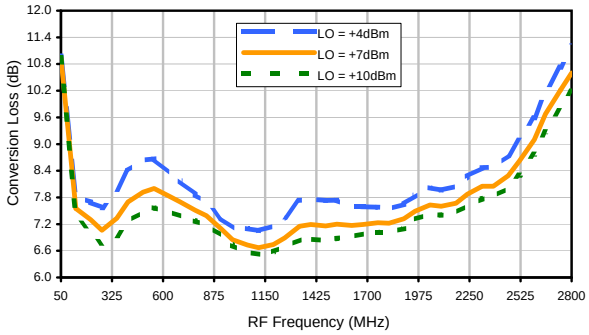
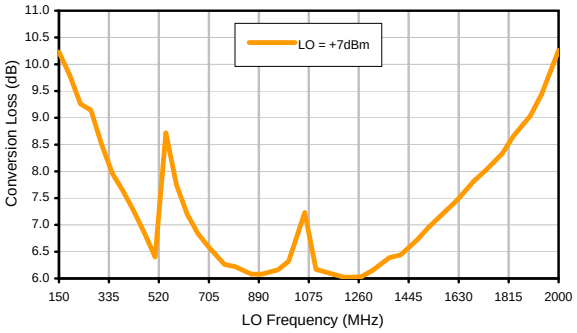
Typical Performance Curves

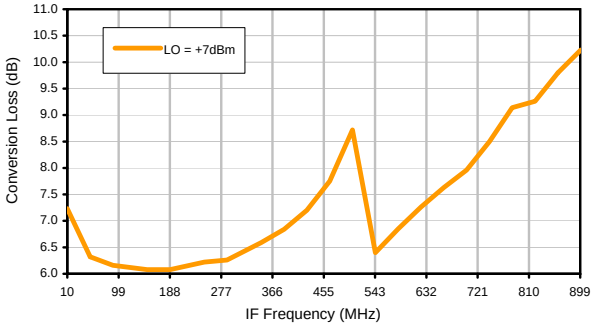
Conversion Loss @ IF=30MHz



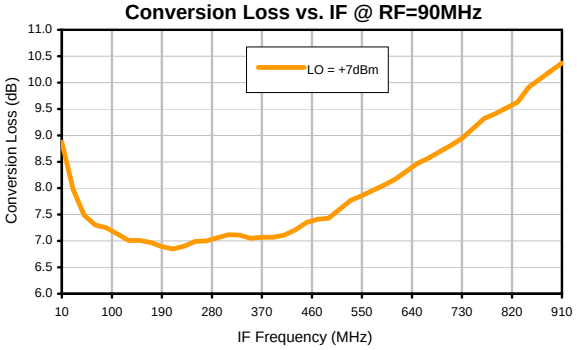
Conversion Loss vs. LO @ RF=1050MHz



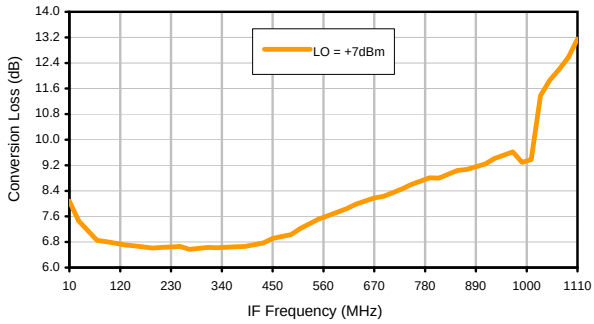
Conversion Loss vs. IF @ RF=1050MHz



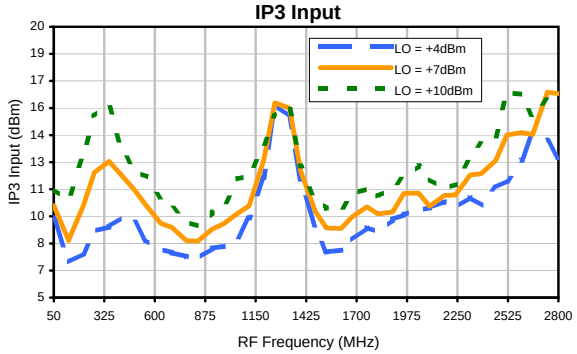
Conversion Loss vs. IF @ RF=90MHz



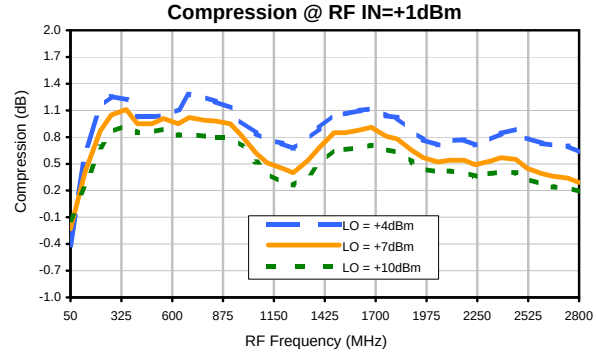
Conversion Loss vs. IF @ RF=2010.1MHz



IP3 Input

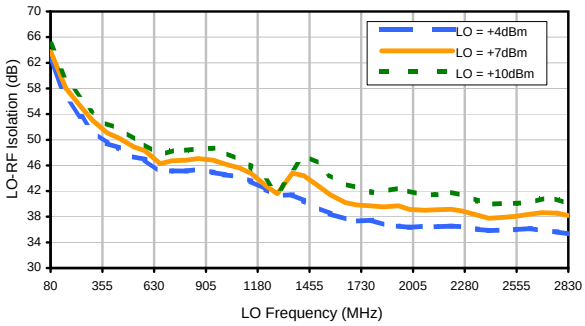


Compression @ RF IN=+1dBm

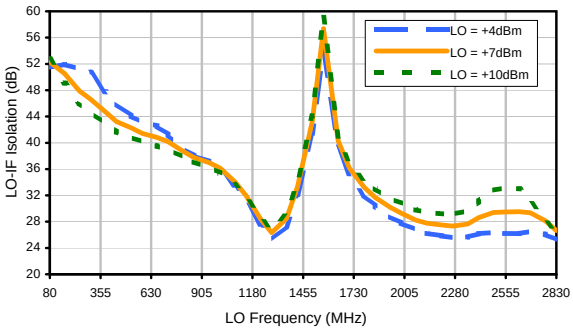


Typical Performance Curves

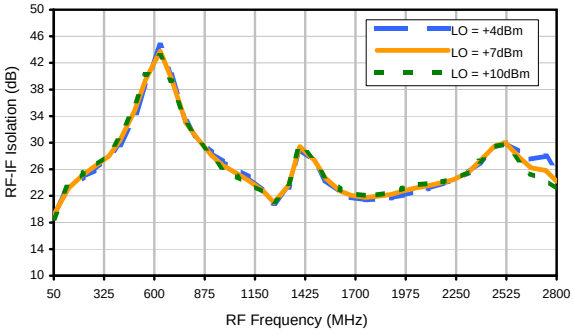
LO-RF Isolation



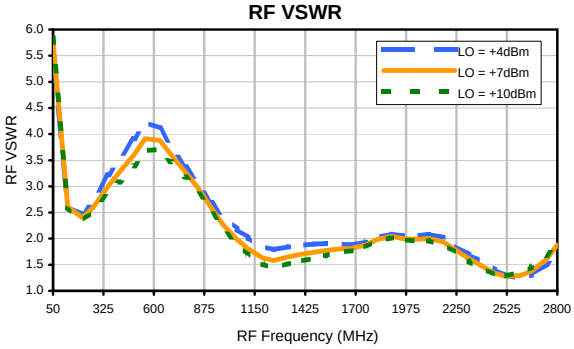
LO-IF Isolation



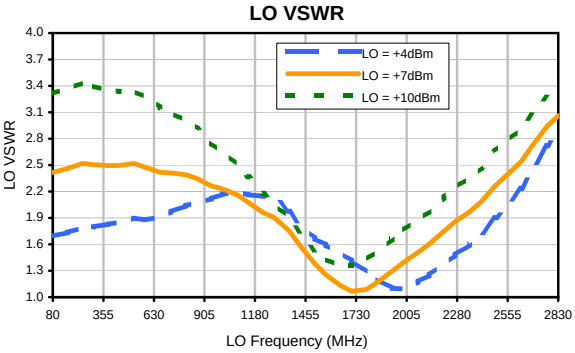
RF-IF Isolation



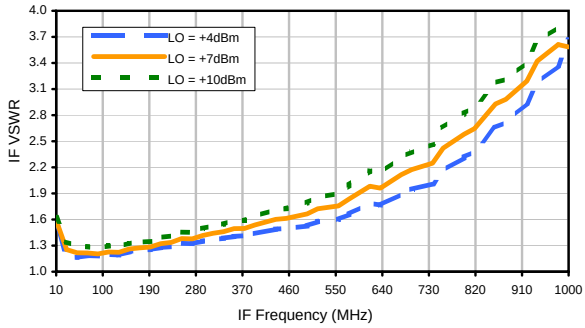
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	6	28	11	33	40	52	46	53	43	43
1	-	19	+0	56	16	43	31	37	41	47	48	60
2	>90	63	57	61	61	>69	51	>69	65	>69	>69	>69
3	>90	>69	62	>69	55	>69	64	>69	>69	>69	>69	>69
4	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
10	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 1050 MHz; -14.00 dBm.
LO IN: 1080 MHz; +7.00 dBm
IF OUT: 30 MHz; -20.87 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	16	37	22	44	54	64	59	68	57	57
1	-	18	+0	50	16	47	32	42	46	54	59	69
2	69	59	50	63	53	72	46	63	63	>79	>79	78
3	>90	55	44	60	38	60	45	60	52	56	58	63
4	>90	78	71	74	66	69	68	77	61	76	72	>79
5	>90	>79	74	>79	65	76	55	78	58	75	65	70
6	>90	>79	>79	>79	>79	>79	76	>79	>79	>79	74	>79
7	>90	>79	>79	>79	>79	>79	>79	>79	68	>79	72	>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: 1050 MHz; -4.00 dBm.
LO IN: 1080 MHz; +7.00 dBm
IF OUT: 30 MHz; -10.93 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.