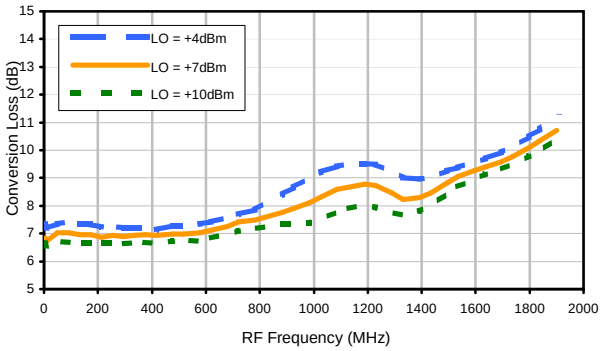
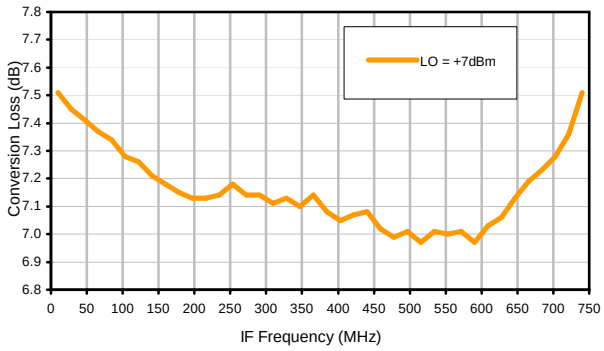
Typical Performance Curves

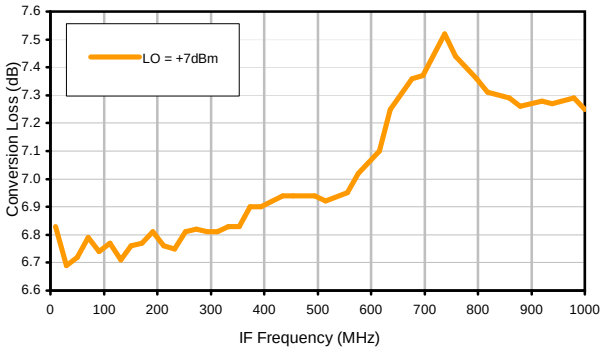
Conversion Loss @ IF=30MHz



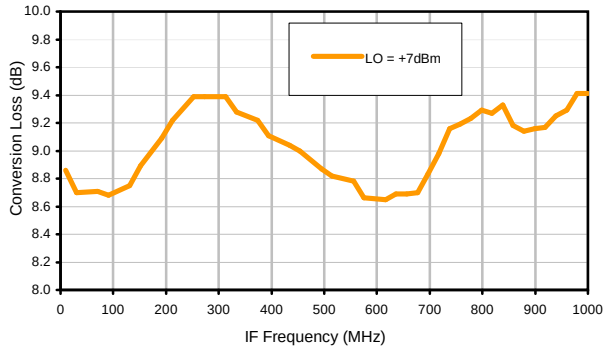
Conversion Loss vs. IF @ RF=750.1MHz



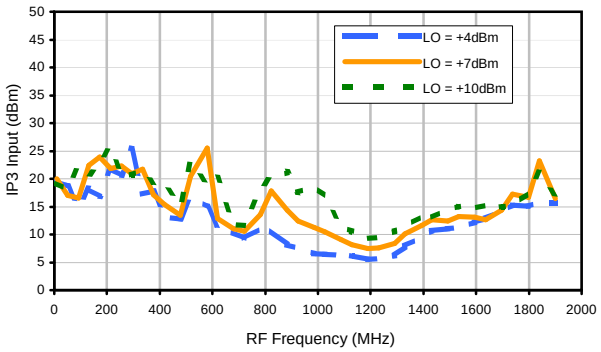
Conversion Loss vs. IF @ RF=10.1MHz



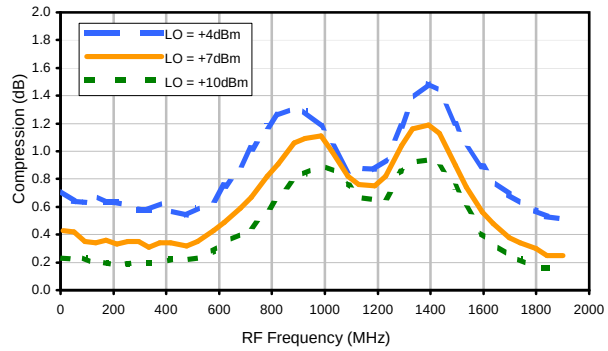
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input

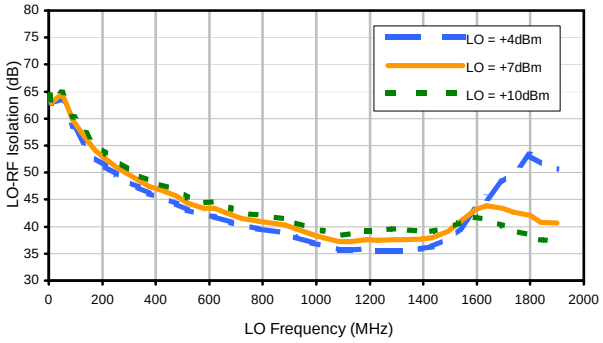


Compression @ RF IN=+1dBm

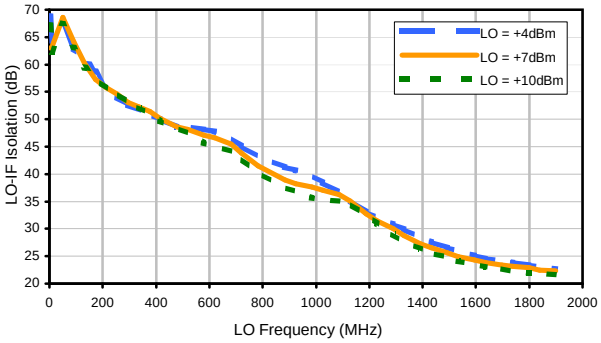


Typical Performance Curves

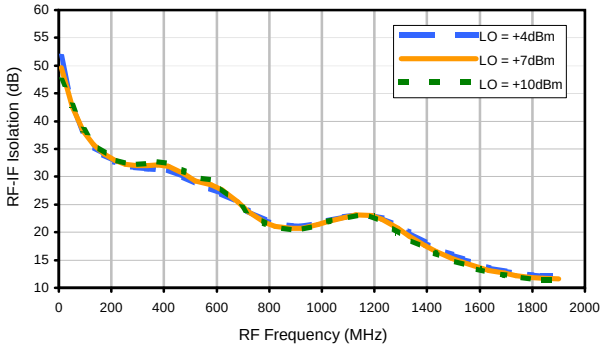
LO-RF Isolation



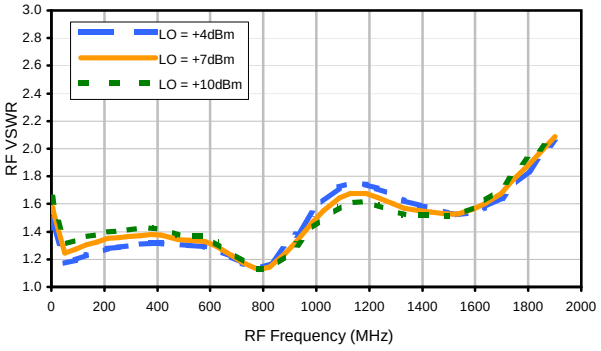
LO-IF Isolation



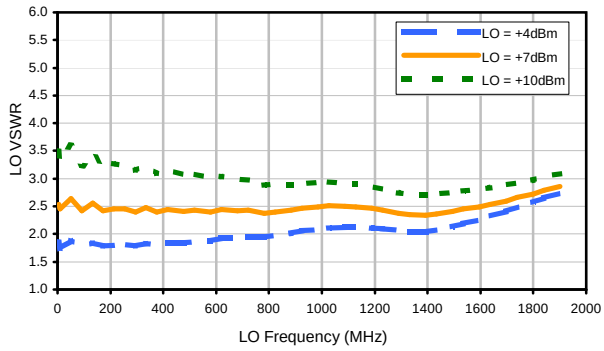
RF-IF Isolation



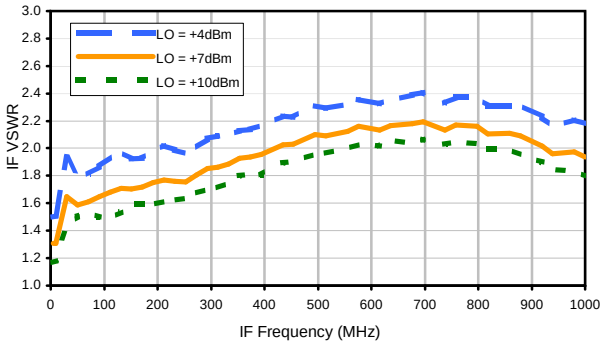
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	13	21	17	30	32	31	48	62	75	76
1	-	16	+0	31	11	32	40	36	39	50	57	76
2	>100	64	57	63	57	72	61	>79	73	>79	>79	>79
3	>100	72	62	70	59	68	60	77	>79	78	75	>79
4	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>100	>79	>79	>79	>79	>79	>79	>79	>79	75	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	74	>79
10	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 750.1 MHz; -14.00 dBm.**
LO IN: 780.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -21.49 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	22	32	27	41	39	43	68	76	66	>89
1	-	15	+0	33	12	34	40	41	43	55	60	71
2	88	49	46	52	47	56	53	69	64	76	76	79
3	>100	51	41	53	41	52	40	56	66	58	57	76
4	>100	87	83	64	71	67	67	72	77	>89	78	81
5	>100	74	86	83	61	69	58	69	59	>89	80	80
6	>100	>89	>89	>89	88	75	80	75	78	80	87	>89
7	>100	>89	>89	>89	>89	84	75	81	75	80	76	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	86	87	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	82	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	86
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 750.1 MHz; -4.00 dBm.**
LO IN: 780.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -11.49 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.