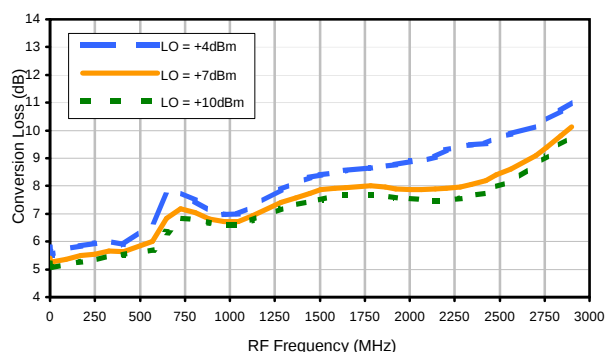
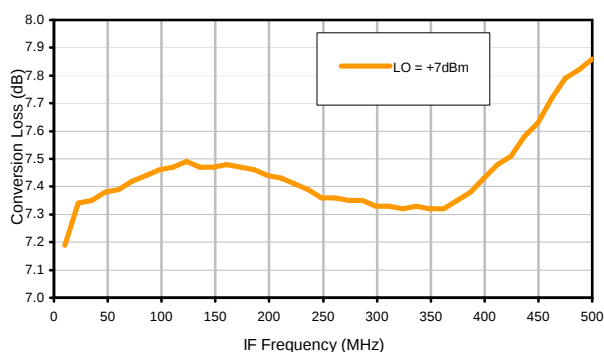


Typical Performance Curves

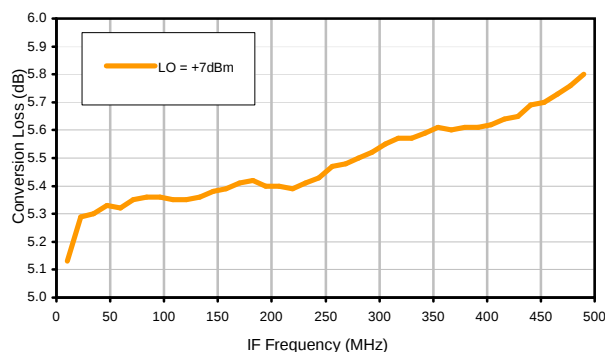
Conversion Loss @ IF=30MHz



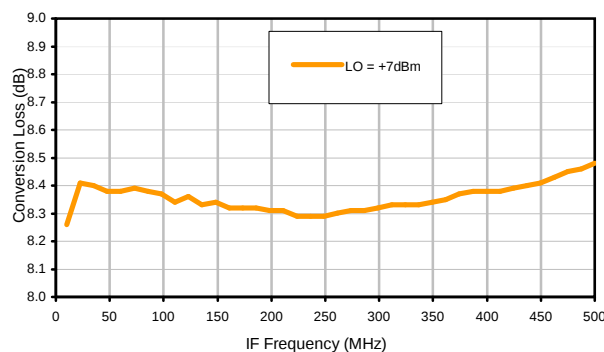
Conversion Loss vs. IF @ RF=1250.1MHz



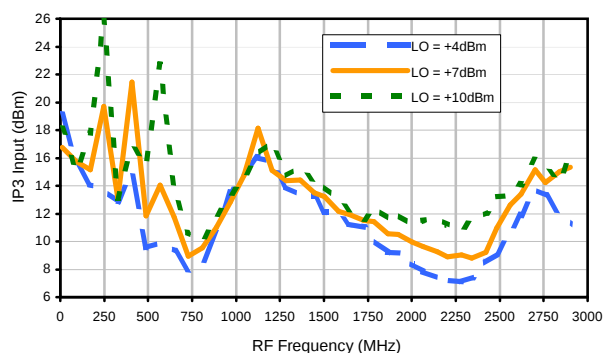
Conversion Loss vs. IF @ RF=10.1MHz



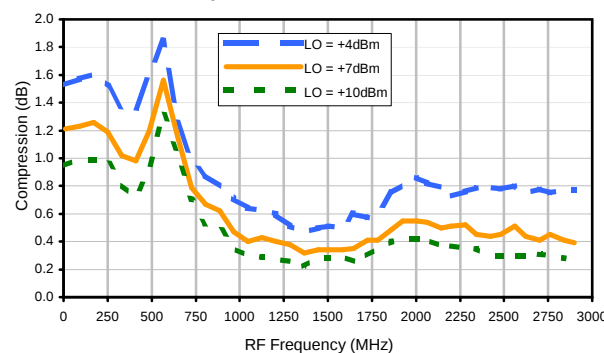
Conversion Loss vs. IF @ RF=2500.1MHz



IP3 Input

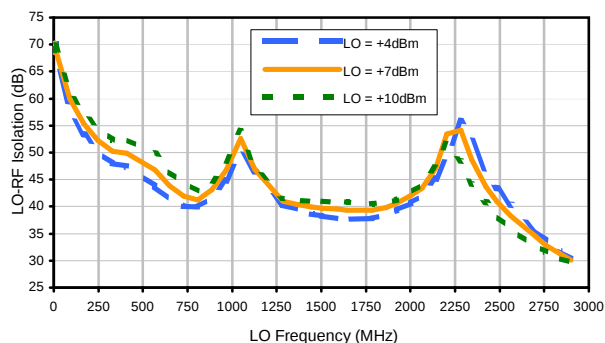


Compression @ RF IN=+1dBm

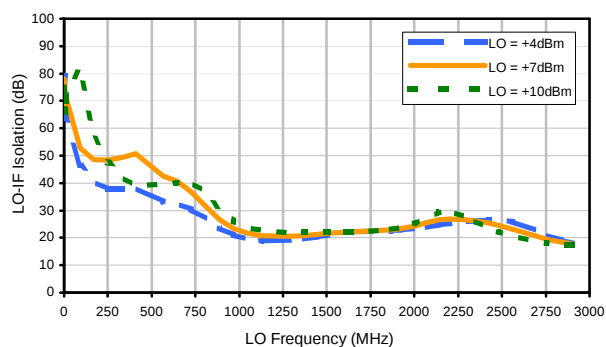


Typical Performance Curves

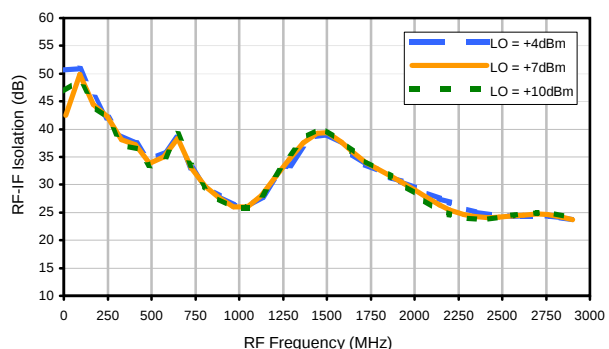
LO-RF Isolation



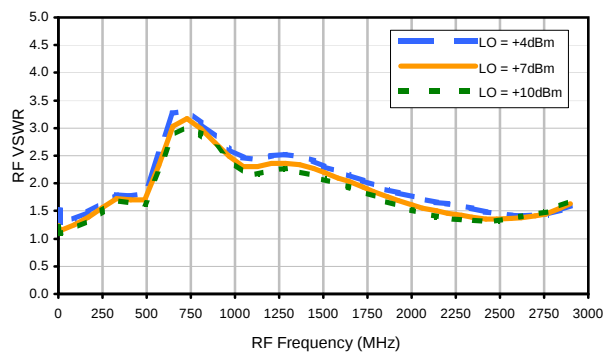
LO-IF Isolation



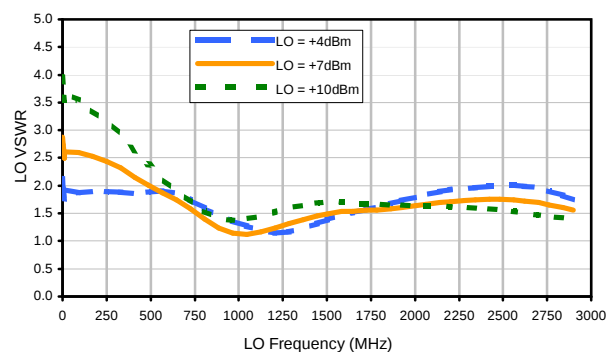
RF-IF Isolation



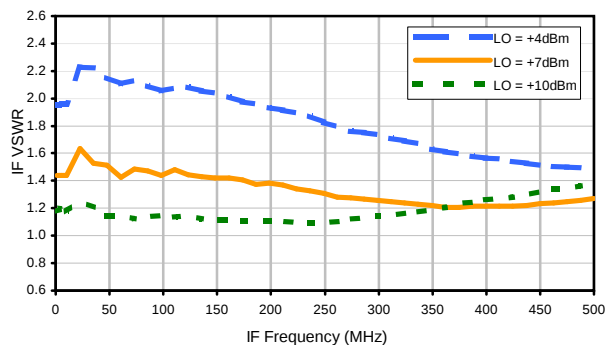
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+8	33	17	53	13	42	22	63	51	69
1	-	25	+0	54	21	54	41	40	45	58	56	60
2	98	60	66	67	58	64	63	>79	52	73	55	76
3	>100	>79	68	>79	76	>79	>79	>79	>79	>79	>79	>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	>79	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>100	>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: 1250.1 MHz; -14.00 dBm.
LO IN: 1280.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -21.43 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	2	44	28	66	24	55	36	67	69	72
1	-	26	+0	66	20	55	41	43	46	58	59	68
2	79	50	56	54	49	56	54	69	45	66	48	71
3	>100	67	48	60	49	68	69	77	70	61	63	78
4	>100	>88	88	83	73	79	75	74	78	83	64	77
5	>100	>88	>88	86	76	78	66	>88	77	88	85	85
6	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
7	>100	>88	>88	>88	>88	>88	>88	>88	87	>88	>88	>88
8	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
10	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; -4.00 dBm.
LO IN: 1280.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -11.68 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.

REV. X2
SYM-2500+
100818
Page 3 of 3

