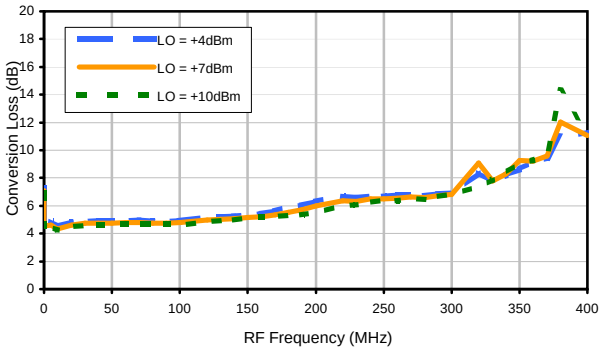
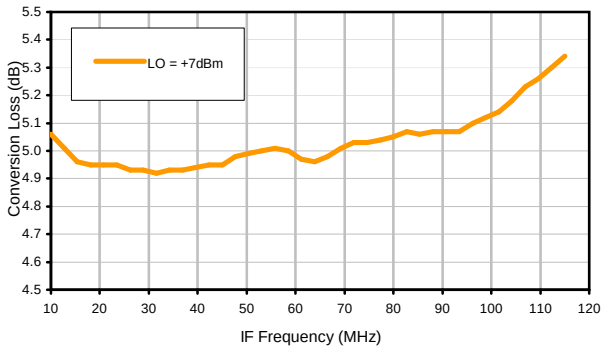
Typical Performance Curves

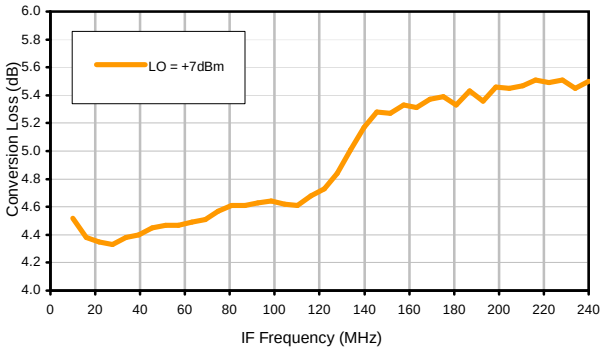
Conversion Loss @ IF=30MHz



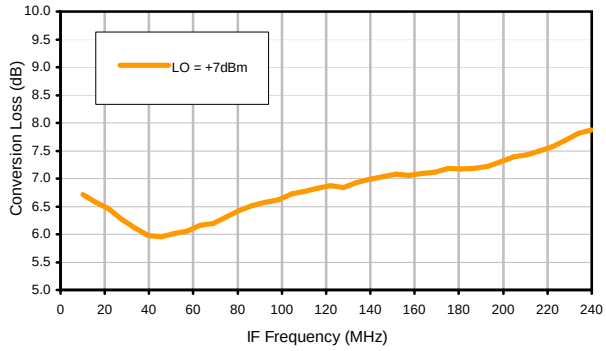
Conversion Loss vs. IF @ RF=125.1MHz



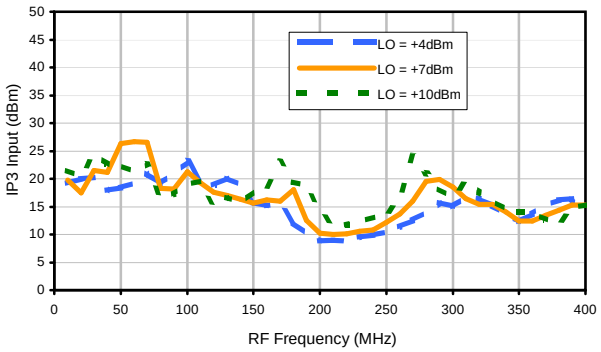
Conversion Loss vs. IF @ RF=10.1MHz



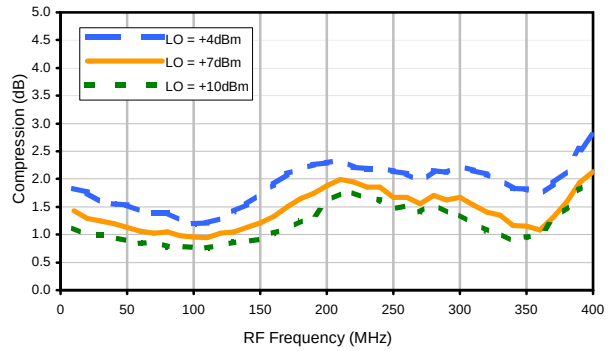
Conversion Loss vs. IF @ RF=250.1MHz



IP3 Input

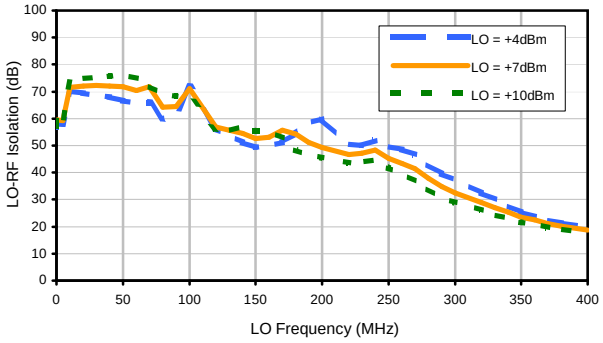


Compression @ RF IN=+1dBm

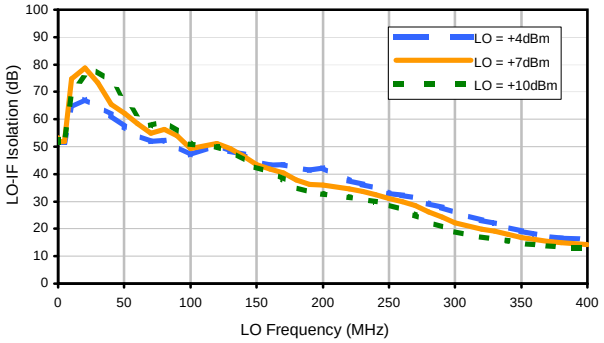


Typical Performance Curves

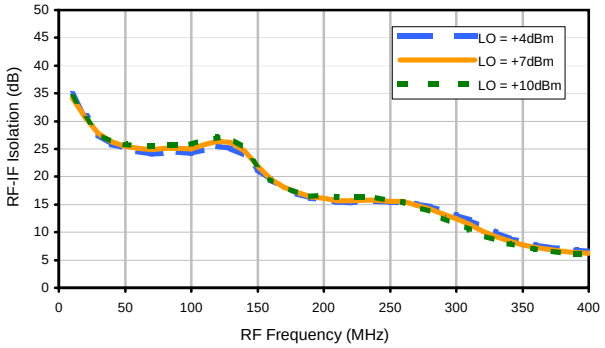
LO-RF Isolation



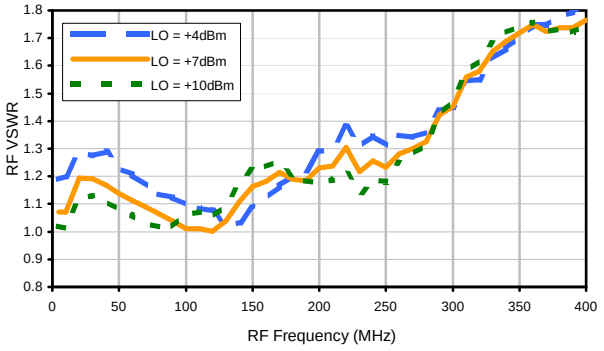
LO-IF Isolation



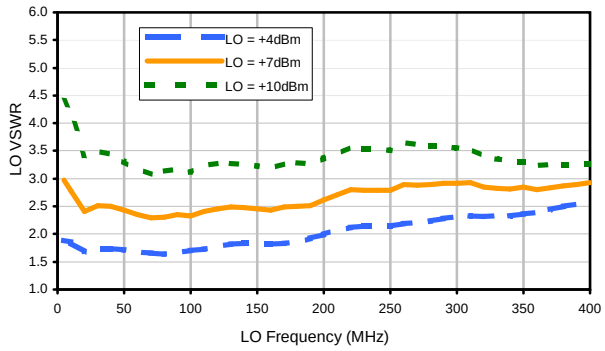
RF-IF Isolation



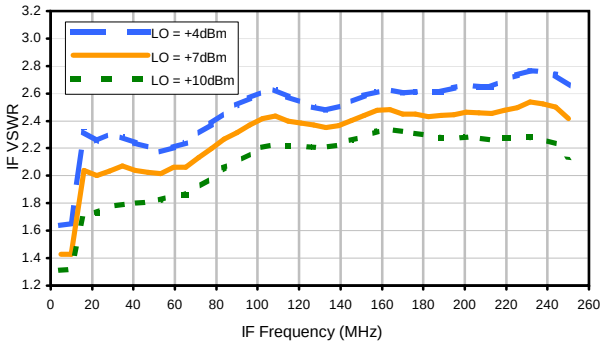
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	16	22	12	45	19	44	34	47	44	45
1	-	20	+0	29	12	34	29	43	37	46	34	46
2	>100	53	43	54	44	54	51	64	58	77	78	71
3	>100	64	53	59	54	64	62	67	63	69	64	72
4	>100	>80	71	>80	66	78	70	>80	77	>80	>80	>80
5	>100	>80	>80	>80	>80	76	>80	>80	>80	>80	>80	>80
6	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
7	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
8	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
10	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 120.1 MHz; -14.00 dBm.
LO IN: 150.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -19.72 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	25	35	24	50	31	54	50	57	58	68
1	-	22	+0	29	14	35	31	53	41	55	41	72
2	100	49	43	52	43	50	53	64	52	63	62	62
3	>100	53	37	49	39	61	42	53	55	64	54	62
4	>100	81	55	78	53	69	54	61	61	74	69	76
5	>100	72	62	62	57	48	56	62	60	68	65	70
6	>100	83	76	77	66	80	65	90	66	80	75	82
7	>100	90	77	89	74	71	73	69	69	71	79	78
8	>100	88	>91	87	84	81	80	85	78	82	80	>91
9	>100	>91	90	>91	>91	>91	79	84	79	80	82	90
10	>100	>91	>91	>91	>91	>91	89	90	>91	55	>91	90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 120.1 MHz; -4.00 dBm.
LO IN: 150.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -9 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.