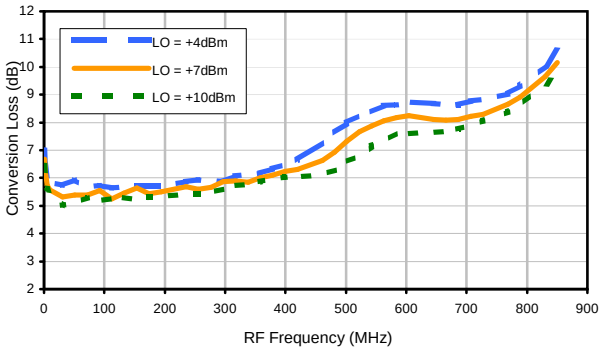
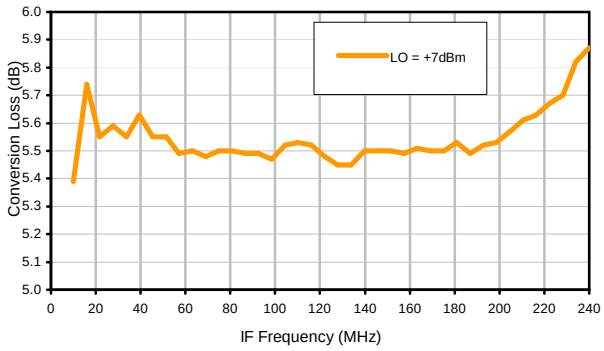
Typical Performance Curves

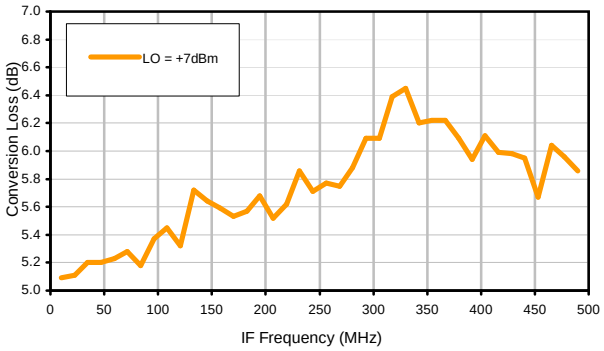
Conversion Loss @ IF=30MHz



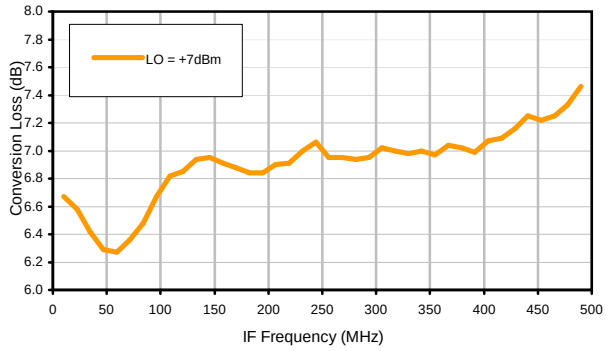
Conversion Loss vs. IF @ RF=250.1MHz



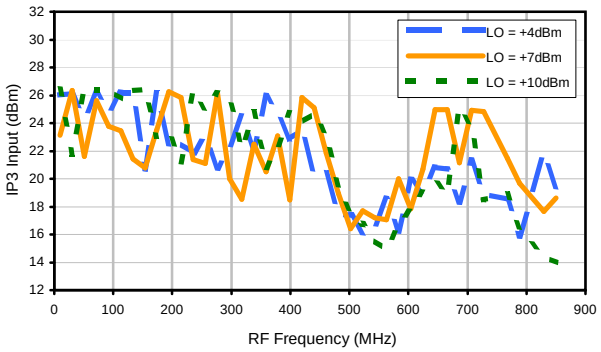
Conversion Loss vs. IF @ RF=10.1MHz



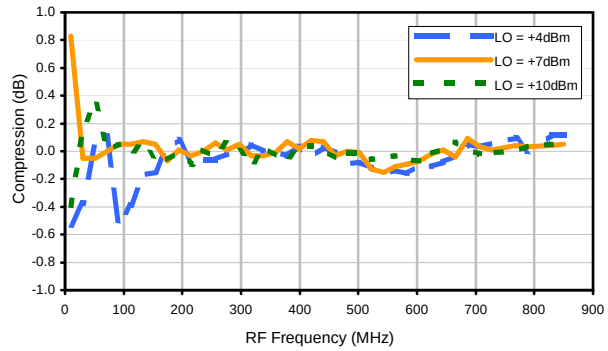
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

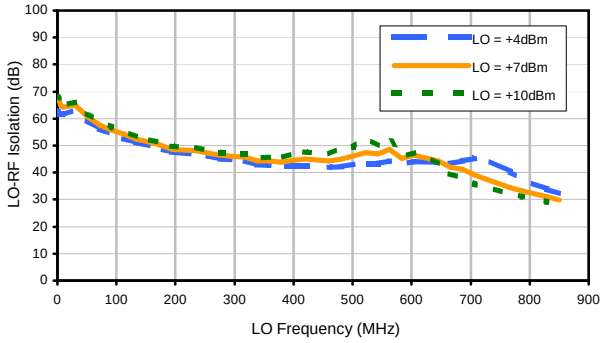


Compression @ RF IN=+1dBm

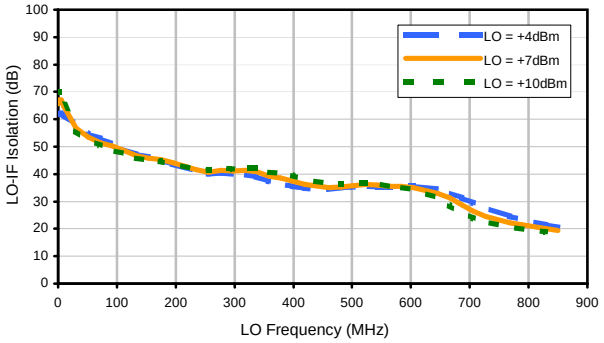


Typical Performance Curves

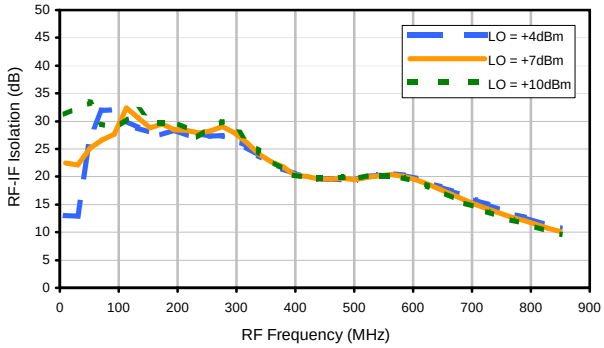
LO-RF Isolation



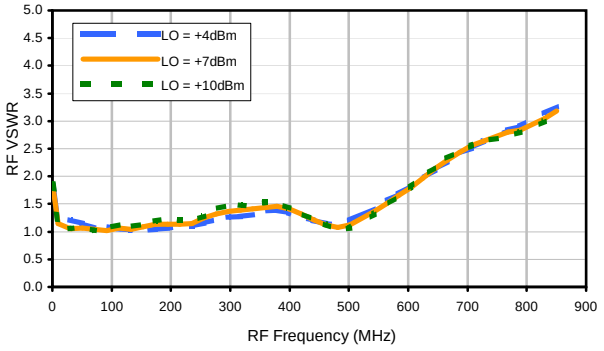
LO-IF Isolation



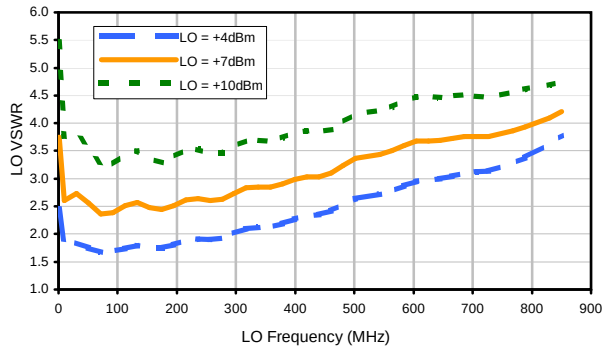
RF-IF Isolation



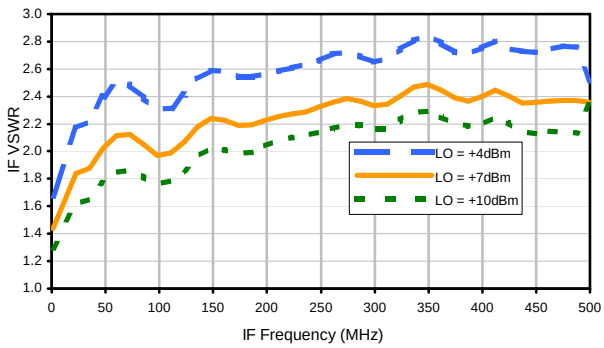
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	20	37	17	35	25	40	42	44	51	68
1	-	25	+0	39	11	37	25	45	37	48	41	48
2	>100	72	55	74	57	80	60	80	61	72	74	77
3	>100	71	63	68	65	73	59	73	>80	75	70	77
4	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
5	>100	>80	>80	>80	>80	>80	>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	79	>80	>80	>80	>80
8	>100	>80	>80	>80	>80	>80	>80	>80	77	>80	>80	>80
9	>100	>80	>80	>80	>80	>80	>80	>80	>80	61	>80	>80
10	>100	>80	>80	>80	>80	>80	>80	>80	>80	>80	64	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -14.00 dBm.
LO IN: 280.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -19.54 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	30	47	27	46	36	52	55	56	72	74
1	-	26	+0	36	12	36	27	52	39	58	50	57
2	97	58	50	63	51	62	59	64	57	66	66	77
3	>100	57	37	51	42	65	36	54	51	59	55	66
4	>100	78	71	75	64	75	64	78	66	>90	68	81
5	>100	74	61	68	53	64	53	68	58	64	73	68
6	>100	>90	90	86	88	85	87	>90	77	84	84	>90
7	>100	>90	80	83	70	76	64	79	64	83	63	74
8	>100	>90	>90	>90	>90	>90	>90	>90	>90	>90	86	>90
9	>100	88	>90	>90	>90	>90	81	>90	83	72	83	90
10	>100	>90	>90	>90	>90	>90	>90	>90	>90	>90	82	>90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -4.00 dBm.
LO IN: 280.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -9.63 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.