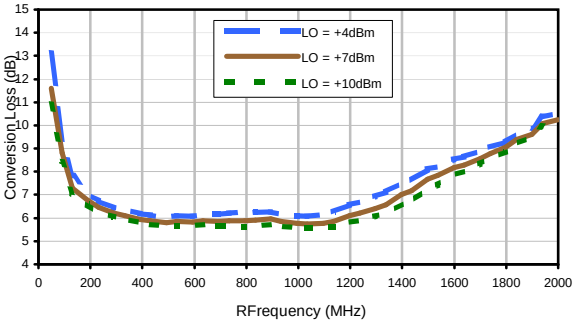
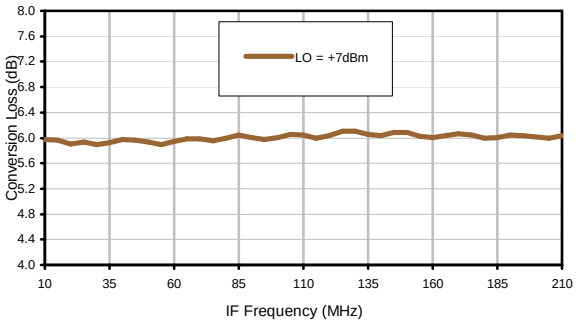
Typical Performance Curves

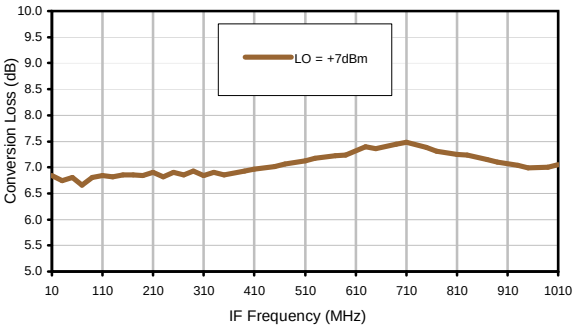
Conversion Loss @ IF=30 MHz



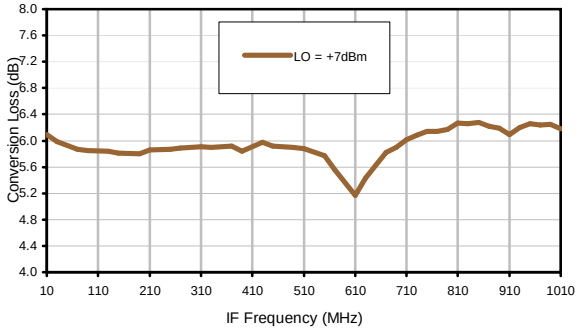
Conversion Loss vs. IF @ RF=789.9 MHz



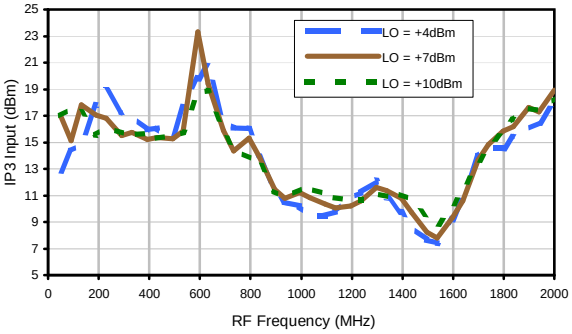
Conversion Loss vs. IF @ RF=189.9 MHz



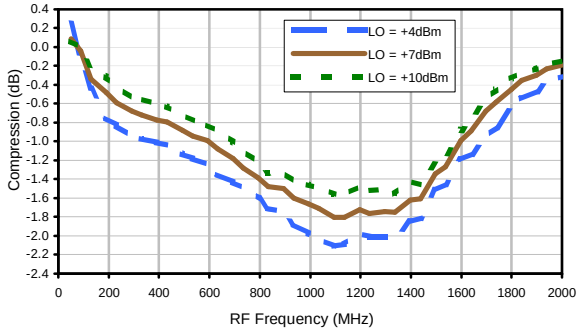
Conversion Loss vs. IF @ RF=1210.1 MHz



IP3 Input

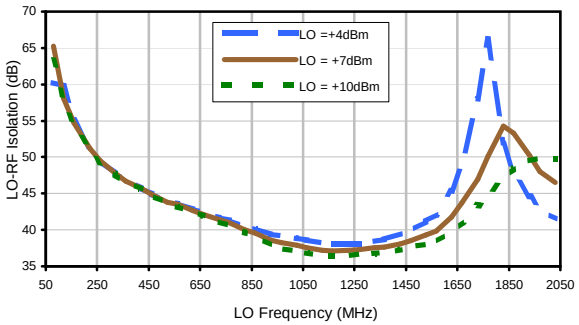


Compression @ RF IN = +1 dBm

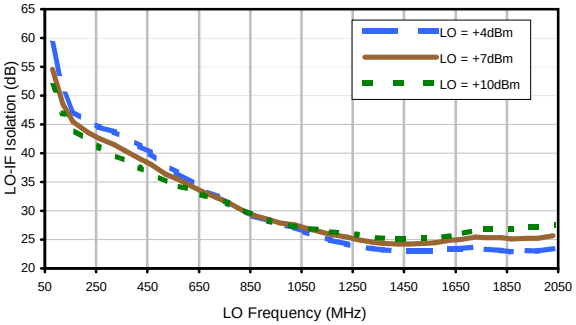


Typical Performance Curves

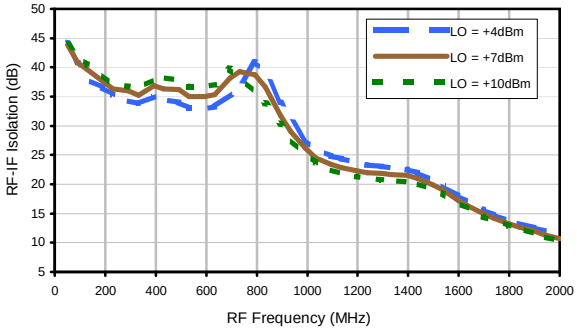
LO-RF Isolation



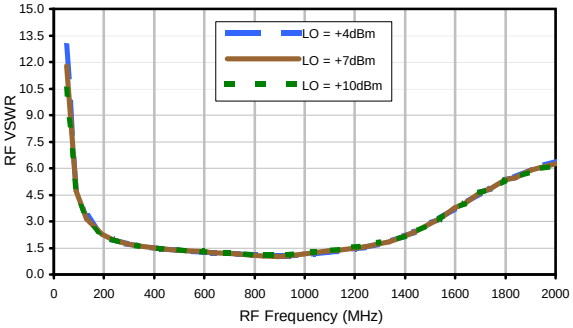
LO-IF Isolation



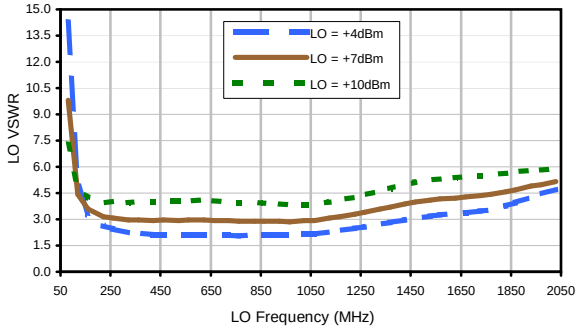
RF-IF Isolation



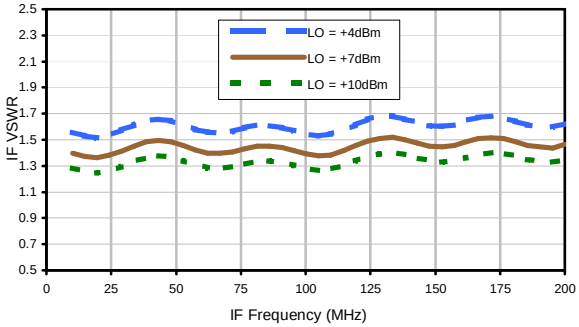
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	5	18	11	37	26	34	18	44	42	66
1	-	31	+0	27	11	38	20	46	42	41	55	56
2	88	61	46	66	45	61	44	67	56	> 70	55	> 70
3	> 90	68	> 70	69	> 70	> 70	65	> 70	> 70	> 70	> 70	> 70
4	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
5	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
6	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
7	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
8	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
9	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
10	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 650.00 MHz; -14.00 dBm.
LO IN: 680.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -20.17 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	14	30	23	45	36	45	31	55	59	> 80
1	-	32	+0	27	11	41	22	51	42	49	61	63
2	68	45	37	60	35	50	39	62	54	60	48	72
3	> 90	48	44	45	44	49	41	57	46	69	61	58
4	> 90	64	58	58	57	60	54	62	52	73	64	74
5	> 90	69	64	60	54	71	57	69	62	67	64	> 80
6	> 90	> 80	> 80	75	68	70	69	76	68	72	79	79
7	> 90	> 80	> 80	> 80	75	73	75	75	75	78	75	> 80
8	> 90	> 80	> 80	> 80	> 80	> 80	78	> 80	> 80	> 80	76	> 80
9	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
10	> 90	> 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: 650.00 MHz; -4.00 dBm.
LO IN: 680.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -10.06 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.