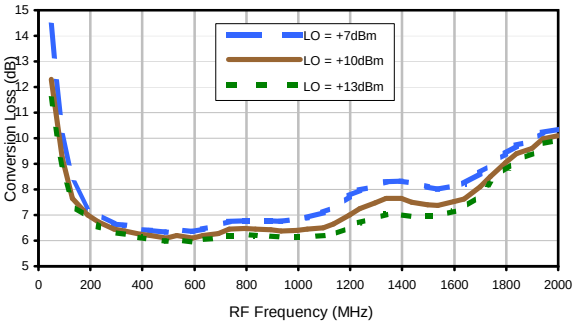
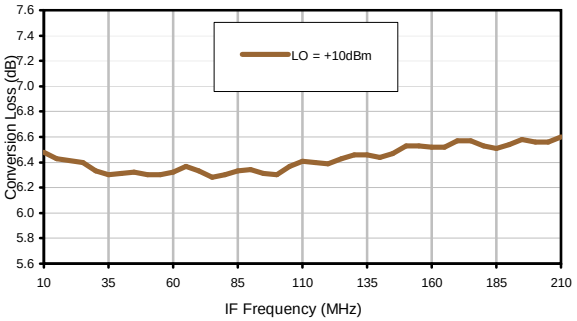
Typical Performance Curves

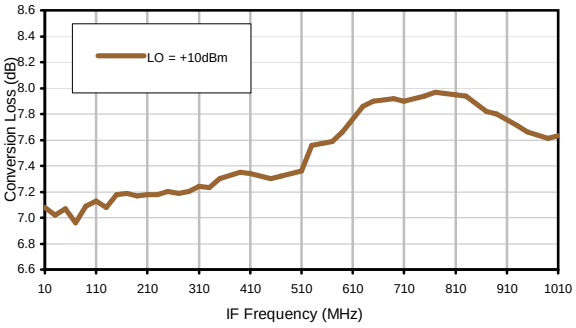
Conversion Loss @ IF=30 MHz



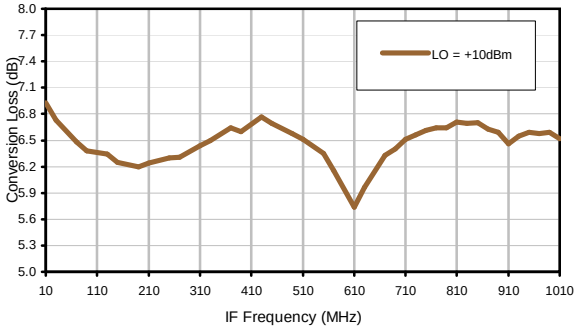
Conversion Loss vs. IF @ RF=1010.1 MHz



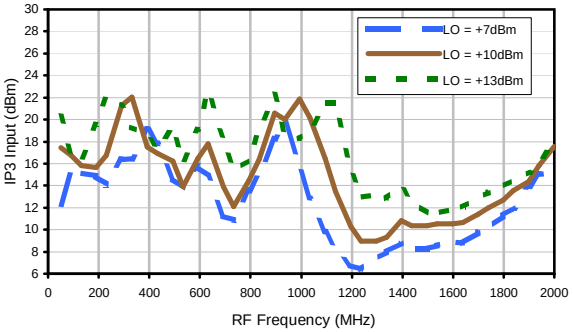
Conversion Loss vs. IF @ RF=189.9 MHz



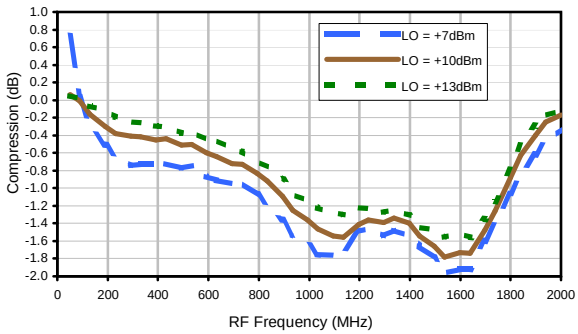
Conversion Loss vs. IF @ RF=1210.9 MHz



IP3 Input

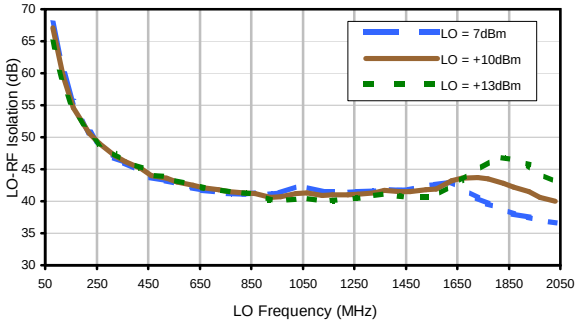


Compression @ RF IN = +5 dBm

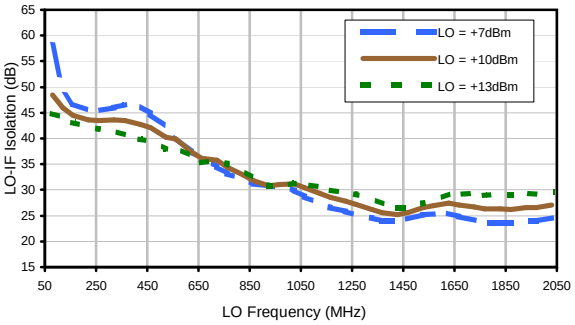


Typical Performance Curves

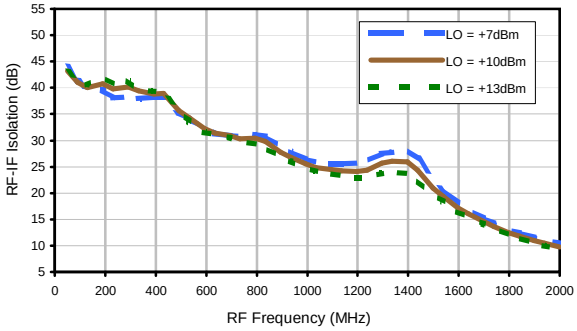
LO-RF Isolation



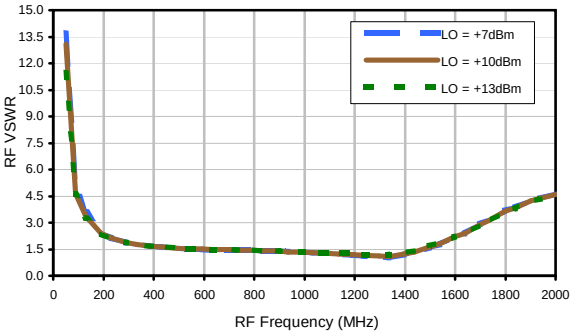
LO-IF Isolation



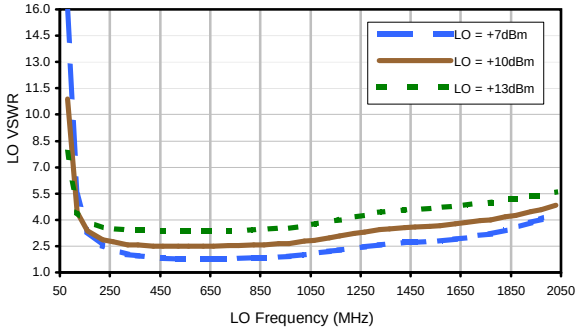
RF-IF Isolation



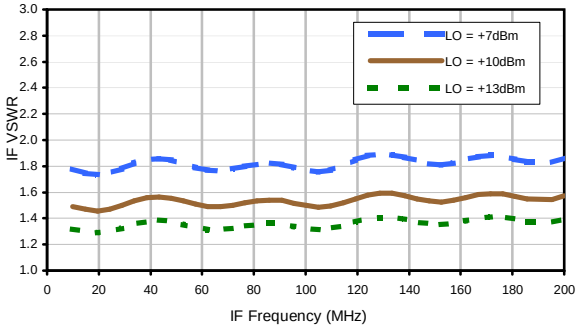
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	7	20	10	32	27	29	16	29	39	56
1	-	23	+0	25	11	36	20	38	43	32	43	43
2	79	59	43	58	44	58	42	60	66	60	52	54
3	> 90	62	62	62	62	71	57	65	64	> 74	68	68
4	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
5	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
6	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
7	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
8	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
9	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
10	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 650.00 MHz; -10.00 dBm.
LO IN: 680.00 MHz; +10.00 dBm
IF OUT: 30.00 MHz; -16.42 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	15	30	23	44	35	40	28	42	58	67
1	-	24	+0	25	11	43	21	42	41	39	49	51
2	60	50	36	53	34	50	35	54	63	69	43	54
3	> 90	44	40	42	54	46	39	45	52	60	62	48
4	> 90	69	61	58	54	56	51	53	49	66	72	60
5	> 90	67	66	58	53	71	53	63	52	63	57	74
6	> 90	> 84	79	> 84	68	72	67	74	60	63	62	74
7	> 90	78	> 84	82	72	72	77	73	> 84	69	74	70
8	> 90	> 84	83	> 84	> 84	> 84	82	79	76	76	71	70
9	> 90	> 84	> 84	84	> 84	> 84	80	76	76	> 84	79	> 84
10	> 90	> 84	> 84	> 84	> 84	> 84	> 84	> 84	> 84	> 84	> 84	> 84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 650.00 MHz; .00 dBm
LO IN: 680.00 MHz; +10.00 dBm
IF OUT: 30.00 MHz; -6.45 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.