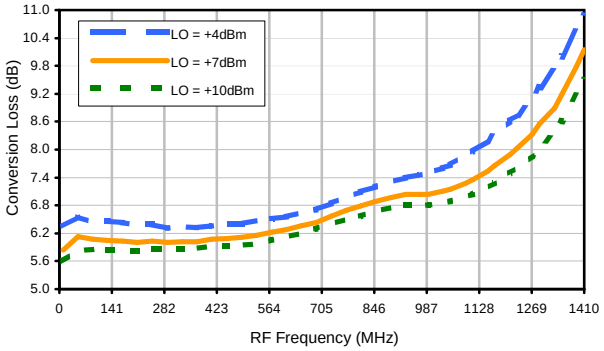
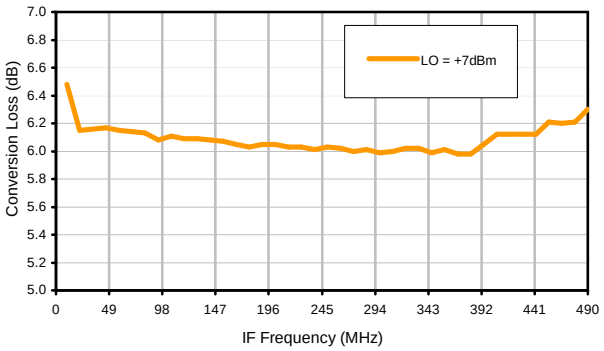
Typical Performance Curves

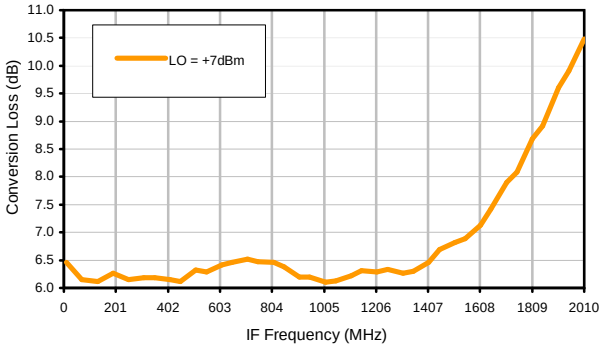
Conversion Loss @ IF=30MHz



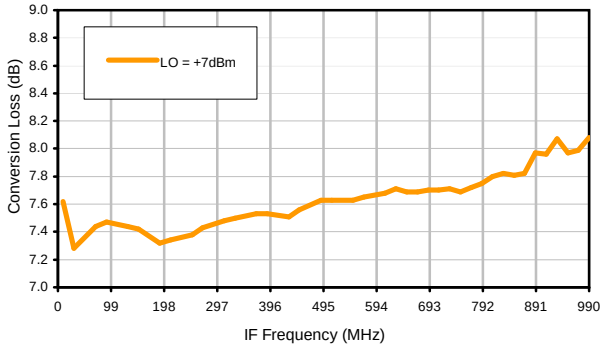
Conversion Loss vs. IF @ RF=510.1MHz



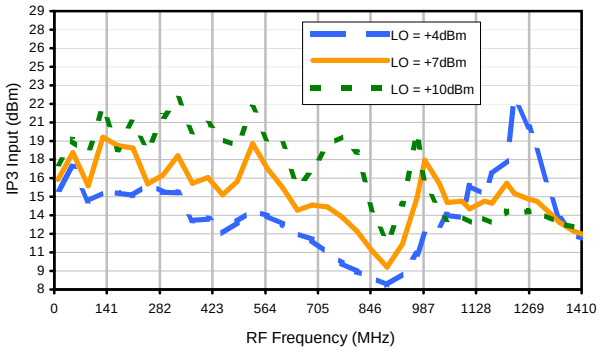
Conversion Loss vs. IF @ RF=39.9MHz



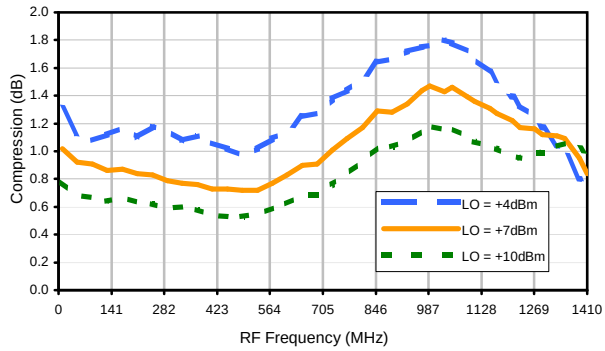
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input

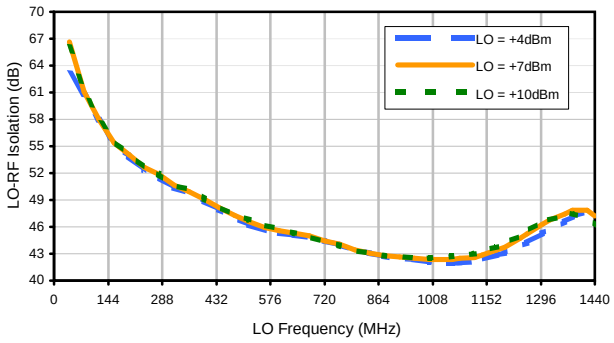


Compression @ RF IN=+1dBm

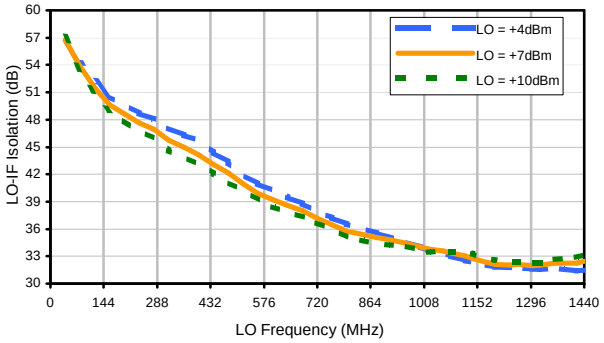


Typical Performance Curves

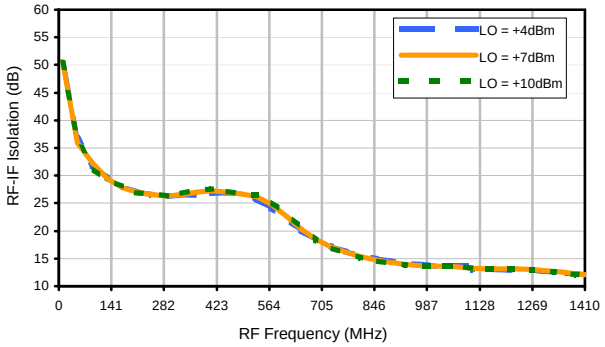
LO-RF Isolation



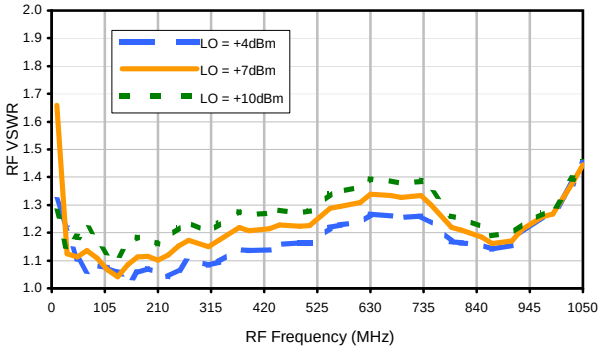
LO-IF Isolation



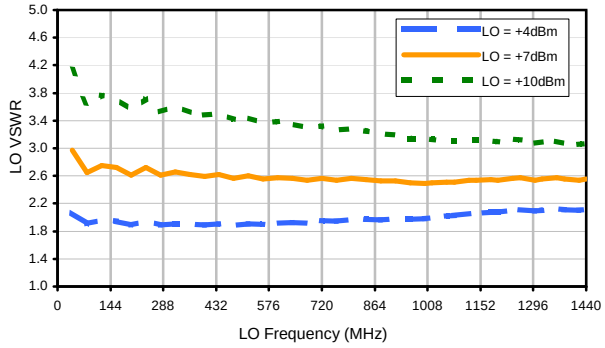
RF-IF Isolation



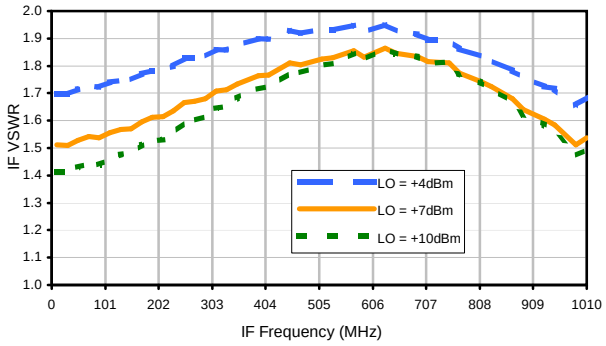
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	9	24	20	62	35	36	36	32	38	61
1	-	22	+0	31	11	28	21	38	39	33	54	48
2	> 90	> 69	53	> 69	53	> 69	52	68	64	> 69	> 69	64
3	> 90	69	> 69	> 69	> 69	> 69	62	69	> 69	> 69	> 69	68
4	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
5	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
6	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
7	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
8	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
9	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
10	> 90	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69	> 69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 525.00 MHz; -14.00 dBm.
LO IN: 555.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -20.51 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	19	35	34	57	50	48	53	49	54	77
1	-	22	+0	30	12	31	22	43	41	40	74	56
2	72	64	43	67	44	65	47	64	59	62	61	58
3	> 90	50	44	61	47	70	40	53	47	56	60	49
4	> 90	> 80	69	80	62	> 80	61	> 80	57	72	70	76
5	> 90	69	70	67	55	66	55	64	57	65	68	> 80
6	> 90	> 80	> 80	> 80	76	79	74	> 80	75	> 80	> 80	> 80
7	> 90	> 80	> 80	> 80	77	> 80	> 80	> 80	76	> 80	> 80	> 80
8	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 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: 525.00 MHz; -4.00 dBm.
LO IN: 555.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -10.37 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.