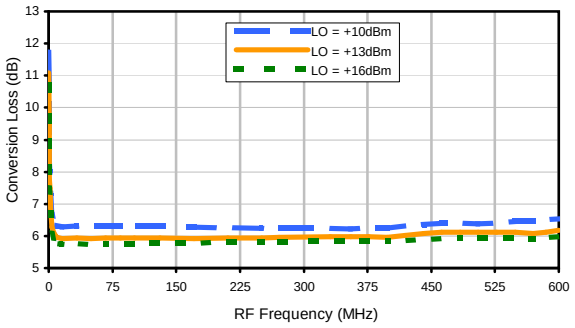
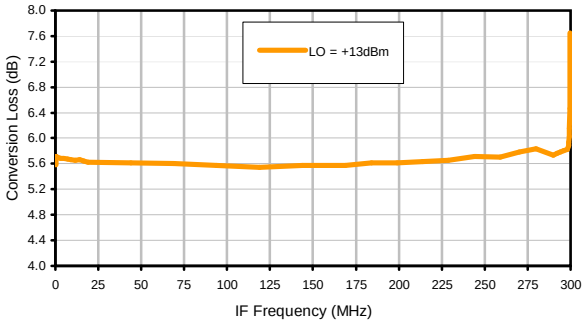
Typical Performance Curves

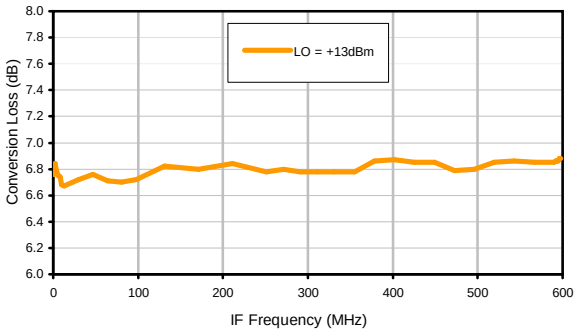
Conversion Loss @ IF=30 MHz



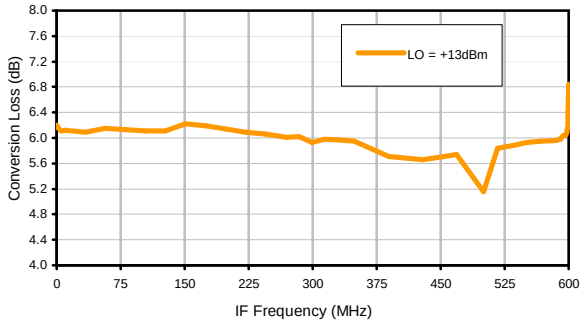
Conversion Loss vs. IF @ RF=300 MHz



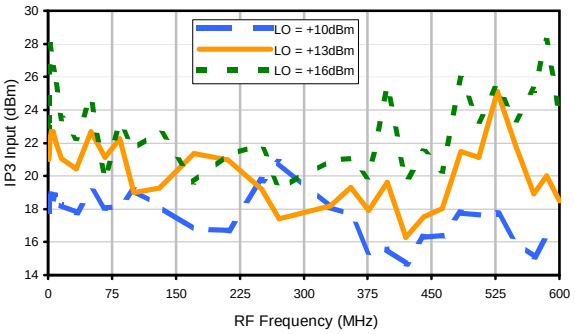
Conversion Loss vs. IF @ RF=2 MHz



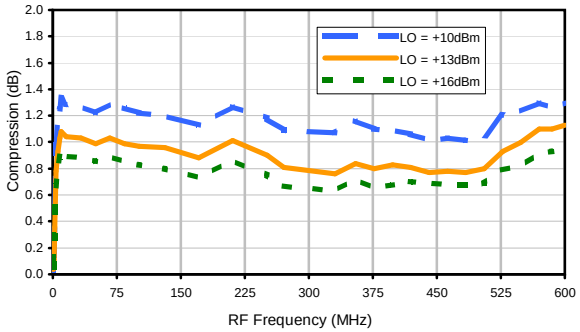
Conversion Loss vs. IF @ RF=600 MHz



IP3 Input

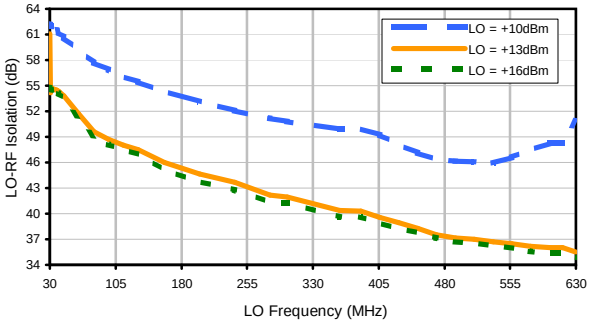


Compression @ RF IN = +5 dBm

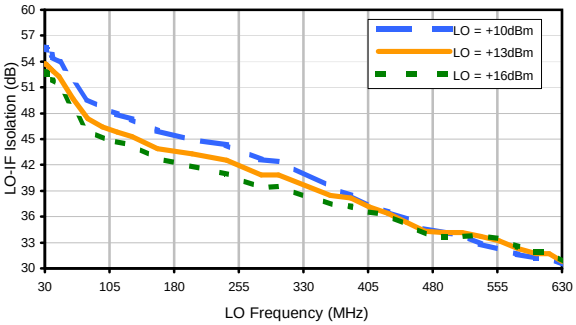


Typical Performance Curves

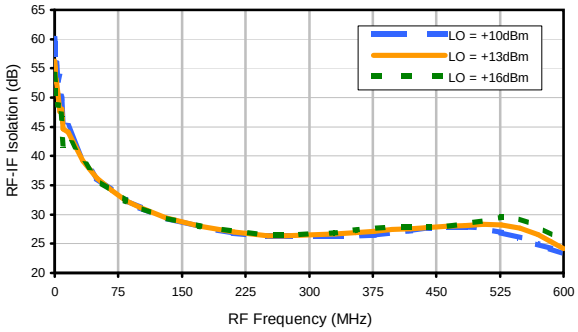
LO-RF Isolation



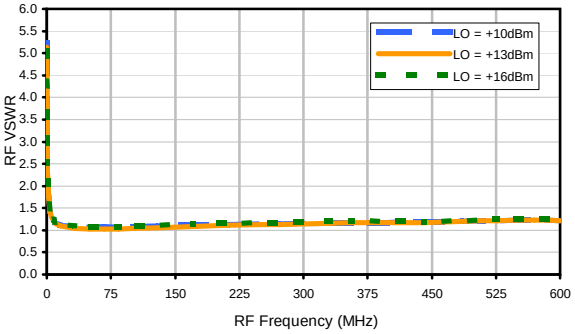
LO-IF Isolation



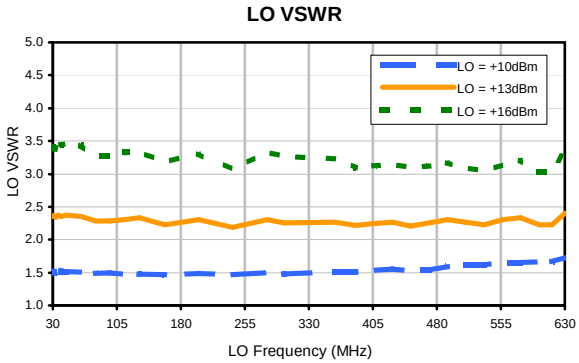
RF-IF Isolation



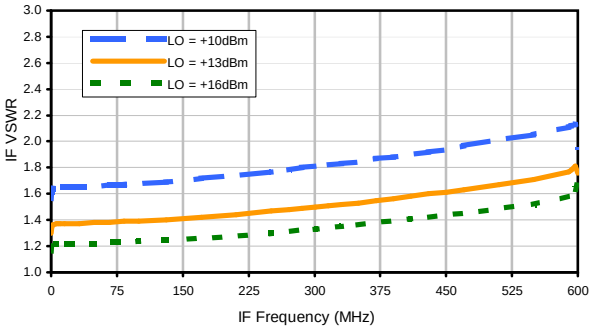
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	19	37	21	42	22	36	32	54	42	50
1	-	24	+0	33	12	33	17	36	33	39	38	39
2	76	74	52	73	53	75	54	> 78	53	64	64	76
3	> 90	74	65	68	62	67	53	72	54	63	56	75
4	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
5	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
6	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
7	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
8	> 90	75	56	63	54	72	53	68	62	70	65	74
9	> 90	76	64	64	53	> 78	54	76	53	74	52	74
10	> 90	39	38	39	33	36	17	33	12	33	+0	24
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 300.00 MHz; -6.00 dBm.
LO IN: 330.00 MHz; +13.00 dBm
IF OUT: 30.00 MHz; -11.99 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	27	46	35	52	37	56	50	62	59	73
1	-	24	+0	31	12	36	19	40	35	48	50	50
2	56	63	46	63	47	63	47	64	47	60	62	71
3	85	49	42	57	42	60	40	51	39	55	47	54
4	> 90	> 88	70	73	69	73	63	72	56	77	57	69
5	> 90	69	64	57	51	60	48	59	45	86	46	59
6	> 90	59	46	85	45	59	48	60	51	57	64	69
7	> 90	69	57	77	56	72	63	72	69	74	69	> 88
8	> 90	54	47	55	39	51	40	60	42	57	42	49
9	> 90	71	62	60	47	65	47	63	47	64	46	63
10	> 90	50	50	48	35	40	19	36	12	31	+0	24
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 300.00 MHz; +4.00 dBm.
LO IN: 330.00 MHz; +13.00 dBm
IF OUT: 30.00 MHz; -2.05 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.