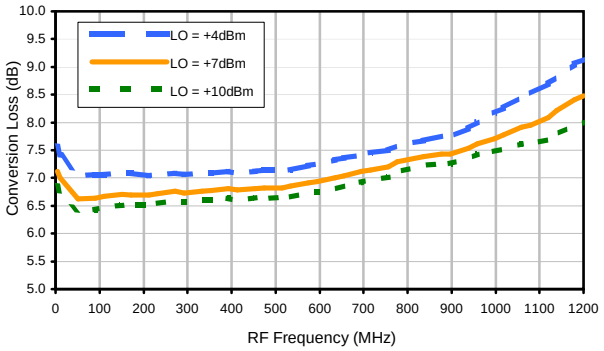
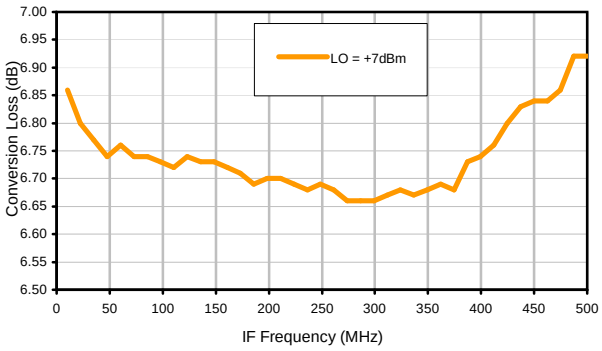
Typical Performance Curves

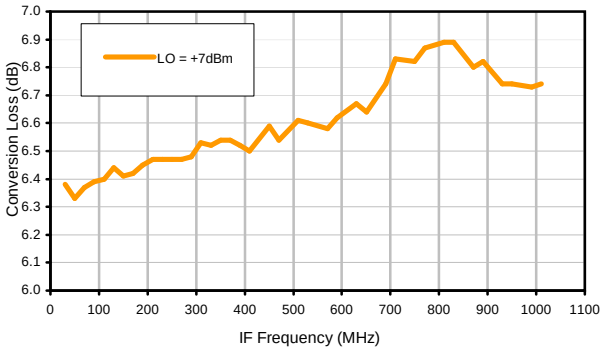
Conversion Loss @ IF=30MHz



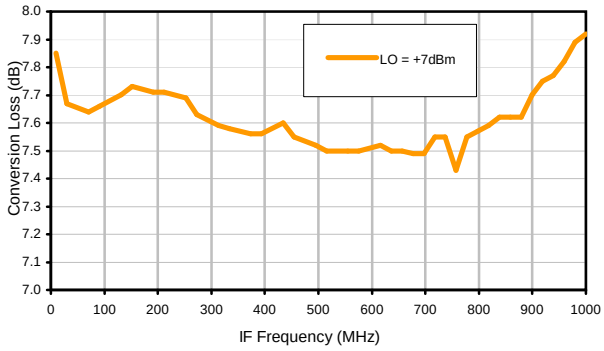
Conversion Loss vs. IF @ RF=510.1MHz



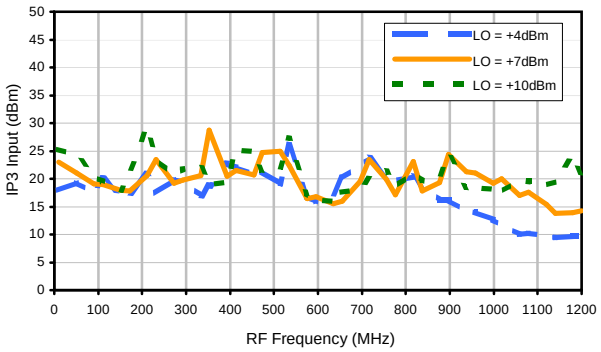
Conversion Loss vs. IF @ RF=10.1MHz



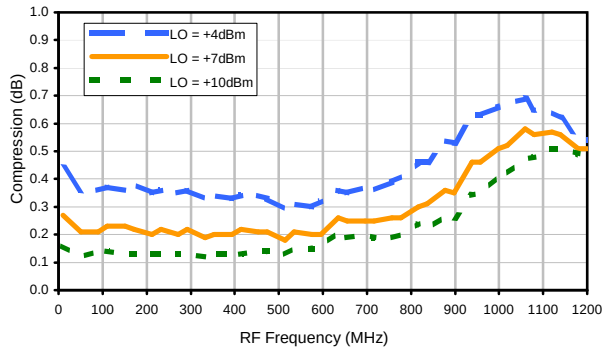
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input

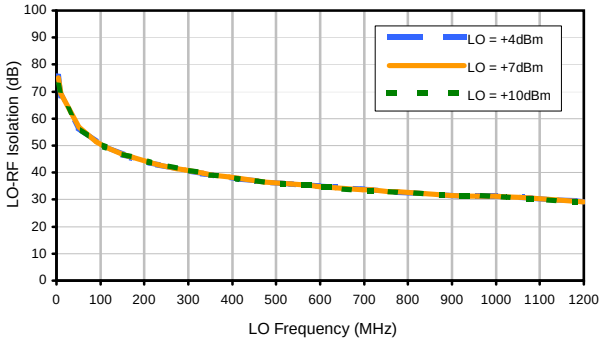


Compression @ RF IN=+1dBm

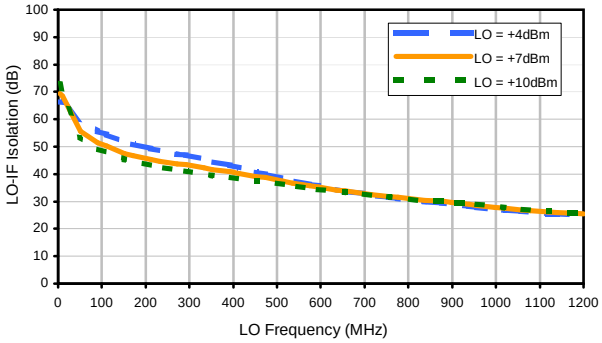


Typical Performance Curves

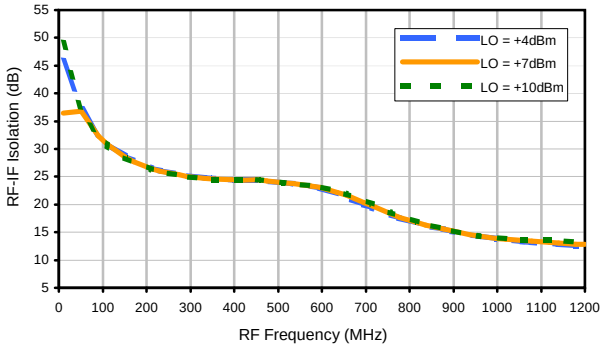
LO-RF Isolation



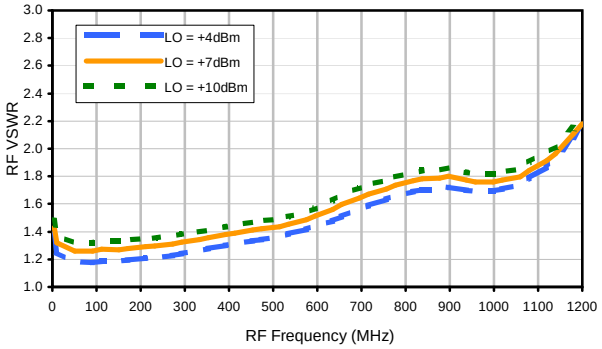
LO-IF Isolation



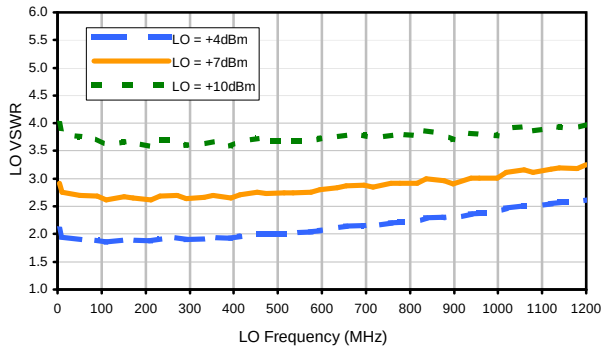
RF-IF Isolation



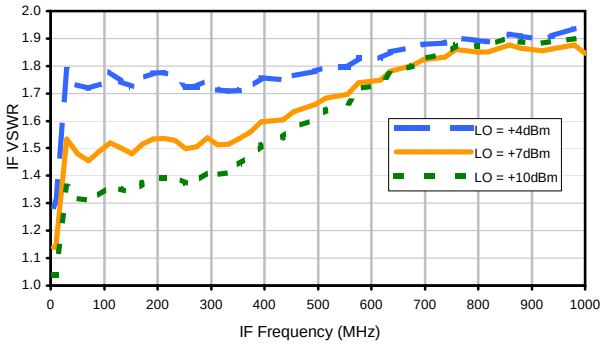
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	9	18	10	32	20	30	25	48	25	42
1	-	17	+0	29	12	33	18	36	39	47	42	42
2	103	63	51	61	50	64	49	57	54	69	57	68
3	117	73	71	78	80	76	63	88	73	78	78	85
4	118	89	91	93	90	88	99	93	92	89	91	102
5	123	109	100	105	103	105	92	94	97	102	96	104
6	124	101	113	115	111	110	98	92	96	100	107	99
7	109	104	113	109	102	98	99	91	87	102	110	119
8	124	108	110	106	105	104	99	113	87	92	103	99
9	107	108	112	105	105	119	99	111	102	88	87	110
10	117	106	103	101	104	106	99	99	106	94	91	99
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -14.00 dBm.
LO IN: 530.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -20.72 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	18	27	21	49	32	42	37	69	39	52
1	-	17	+0	29	12	33	19	39	39	52	45	48
2	99	58	42	58	42	64	42	56	49	60	50	67
3	116	54	50	58	58	57	45	67	48	55	62	64
4	121	67	84	67	66	66	65	69	57	64	63	81
5	118	77	70	88	63	82	60	72	58	81	60	83
6	118	99	80	87	78	84	82	88	78	79	80	82
7	120	95	92	90	77	84	77	88	79	88	83	86
8	113	108	105	114	99	102	101	110	101	94	108	100
9	112	110	111	121	104	102	104	102	102	96	92	101
10	123	120	110	111	115	119	102	102	104	113	96	99
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -4.00 dBm.
LO IN: 530.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -10.93 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.