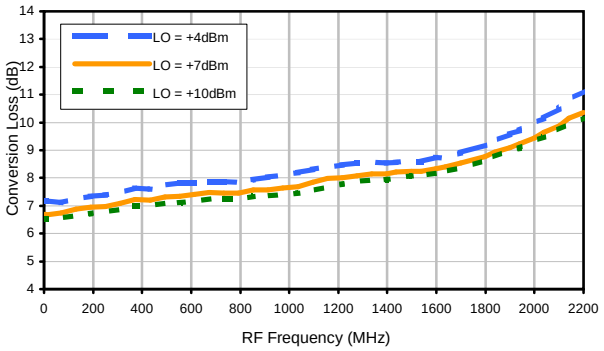
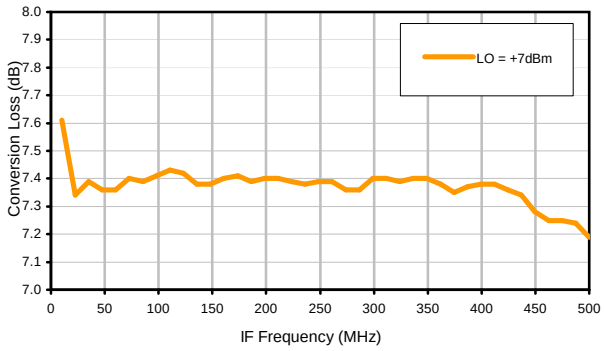
Typical Performance Curves

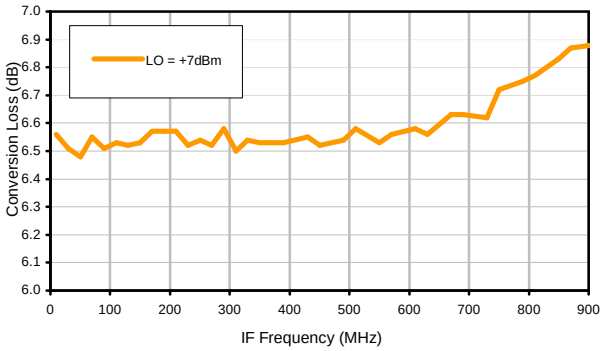
Conversion Loss @ IF=30MHz



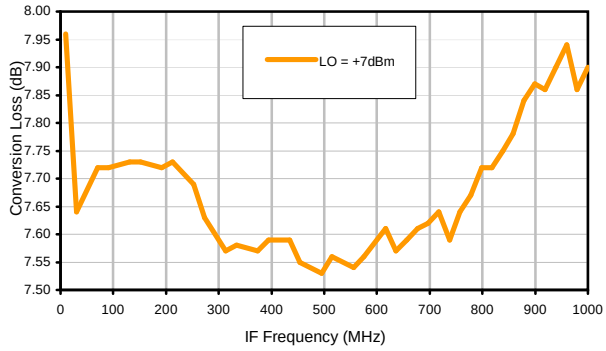
Conversion Loss vs. IF @ RF=510.1MHz



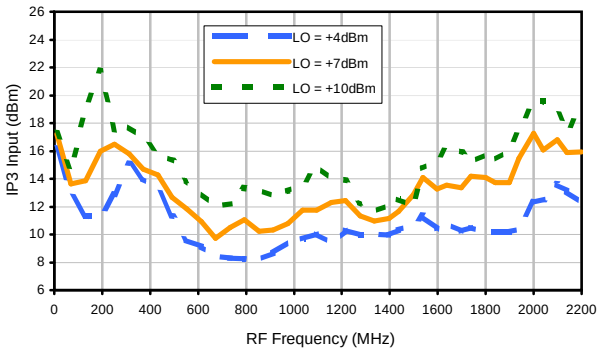
Conversion Loss vs. IF @ RF=10.1MHz



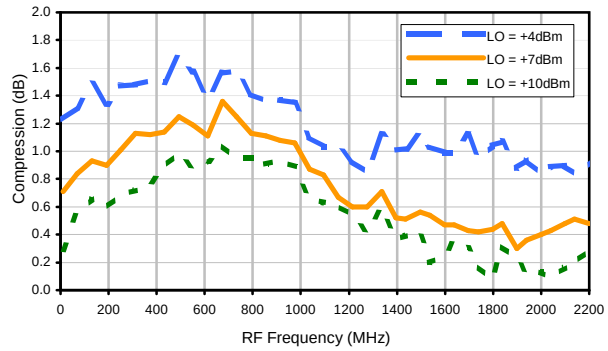
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input

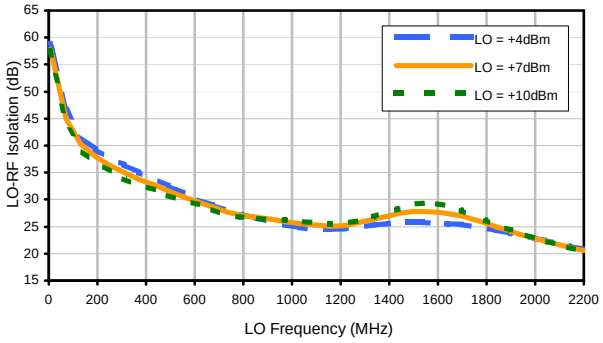


Compression @ RF IN=+1dBm

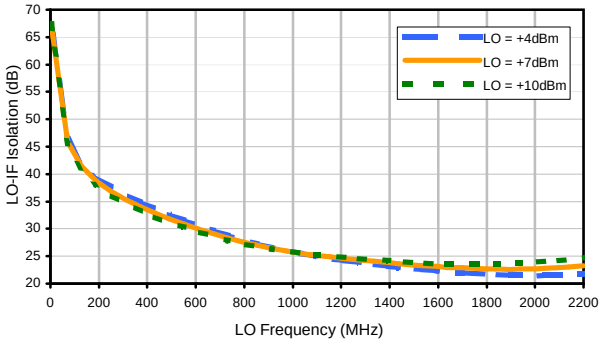


Typical Performance Curves

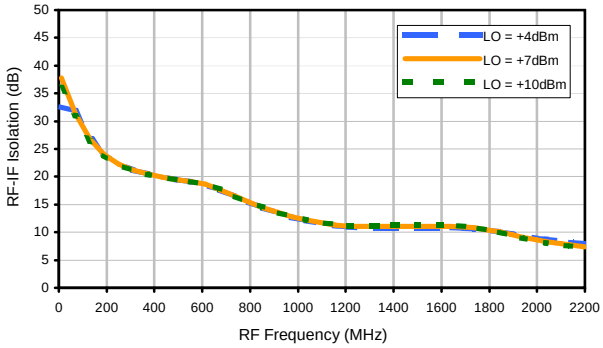
LO-RF Isolation



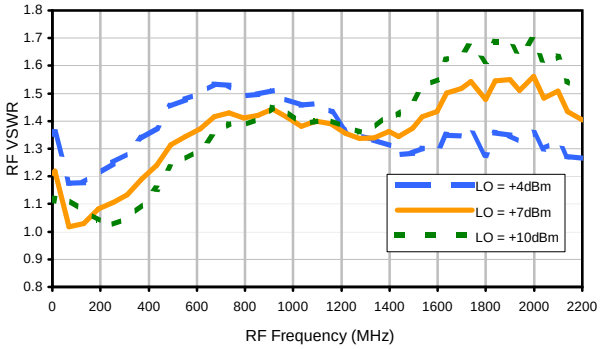
LO-IF Isolation



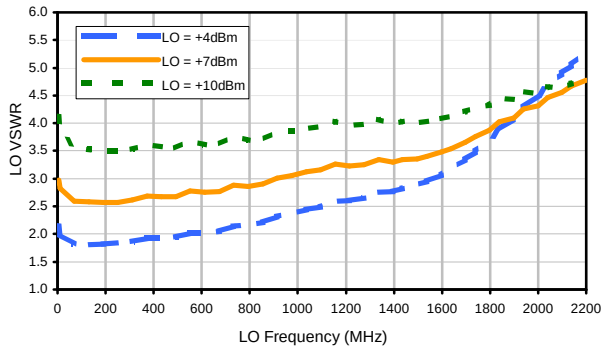
RF-IF Isolation



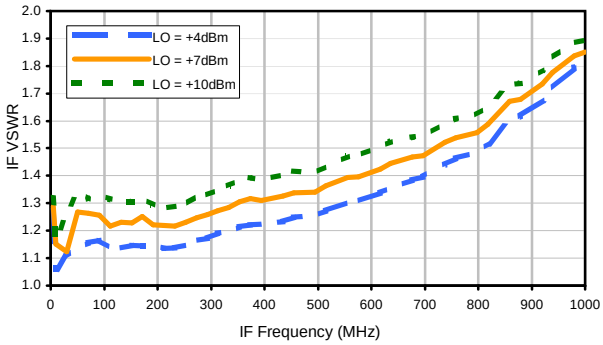
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+4	11	9	22	14	51	42	43	45	43
1	-	7	+0	27	18	24	30	32	40	40	43	42
2	108	52	64	43	53	53	59	58	44	59	59	57
3	114	59	62	67	57	68	64	58	70	72	67	68
4	109	86	82	77	85	75	84	83	79	81	75	81
5	116	92	106	95	95	118	85	101	93	87	103	94
6	117	105	102	101	110	111	101	95	103	107	95	100
7	115	106	110	109	102	100	107	109	86	98	103	118
8	109	95	97	104	100	102	104	98	102	92	98	100
9	117	100	108	106	105	109	104	110	103	108	97	103
10	125	104	100	94	101	105	120	107	106	114	122	89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 950.1 MHz; -14.00 dBm.
LO IN: 980.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -21.96 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	7	21	19	35	28	50	63	61	54	57
1	-	7	+0	29	18	28	33	37	50	50	58	63
2	89	50	66	39	47	51	47	53	40	65	59	62
3	112	41	45	49	42	48	63	42	52	51	56	57
4	119	70	76	59	66	52	60	61	71	66	53	65
5	124	76	77	71	60	78	53	75	58	59	70	73
6	113	88	78	91	81	71	75	68	73	78	72	74
7	117	88	99	83	98	81	78	79	70	76	75	71
8	99	92	93	92	89	91	85	83	90	76	85	87
9	119	99	109	96	107	87	99	92	93	95	85	90
10	110	96	100	99	102	97	97	97	94	89	92	84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 950.1 MHz; -4.00 dBm.
LO IN: 980.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -11.94 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.