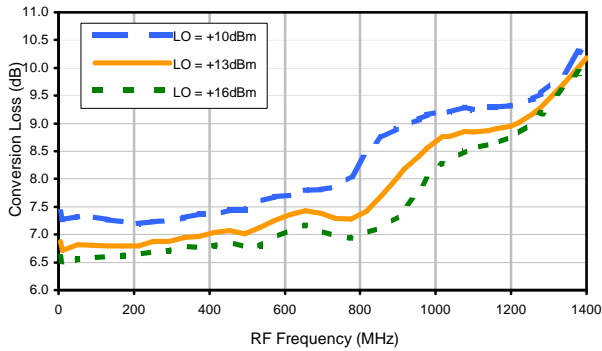


Frequency Mixer

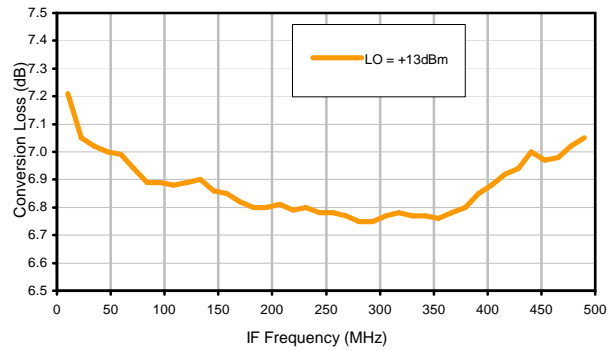
RMS-2MH+

Typical Performance Curves

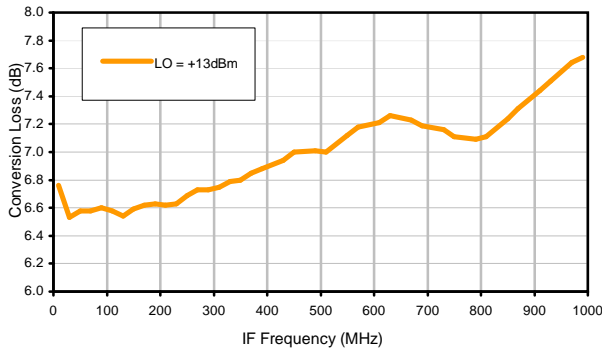
Conversion Loss @ IF=30MHz



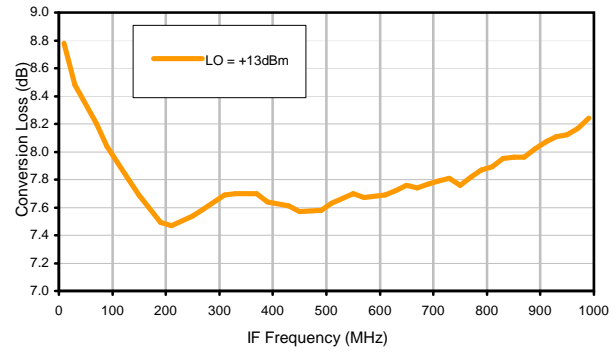
Conversion Loss vs. IF @ RF=500.1MHz



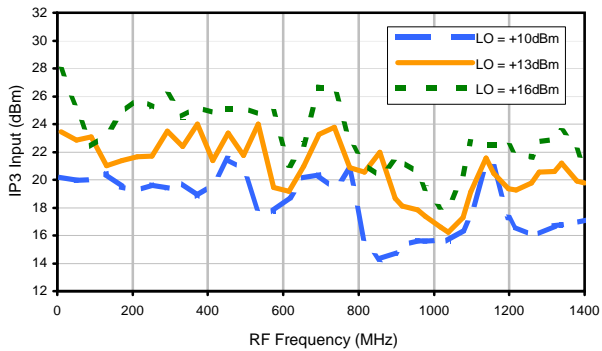
Conversion Loss vs. IF @ RF=10.1MHz



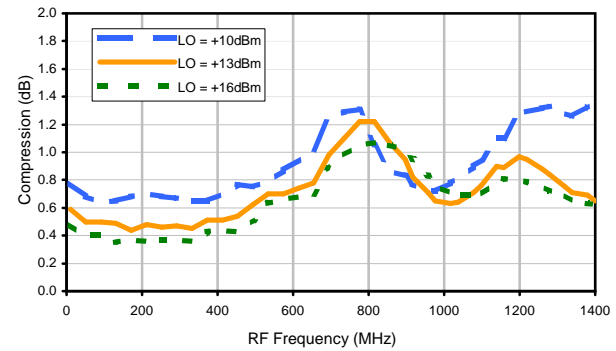
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input

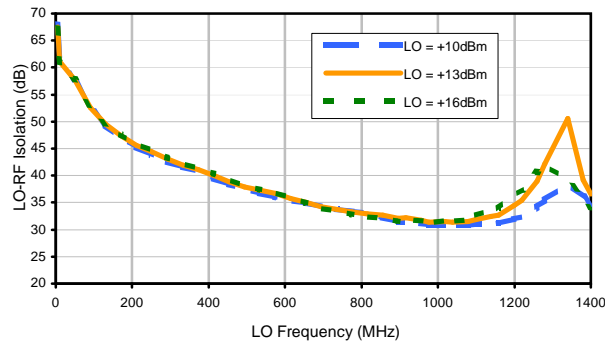


Compression @ RF IN=+9dBm

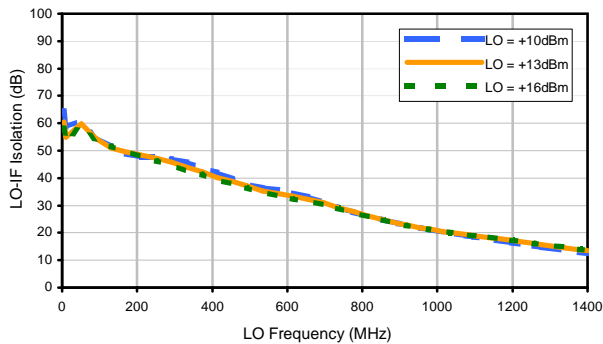


Typical Performance Curves

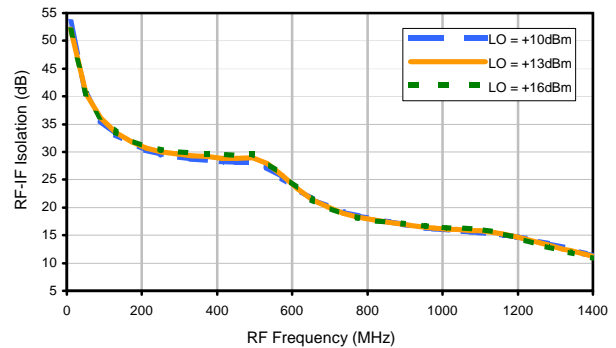
LO-RF Isolation



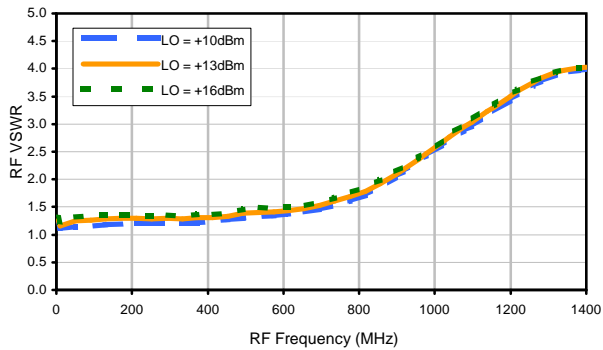
LO-IF Isolation



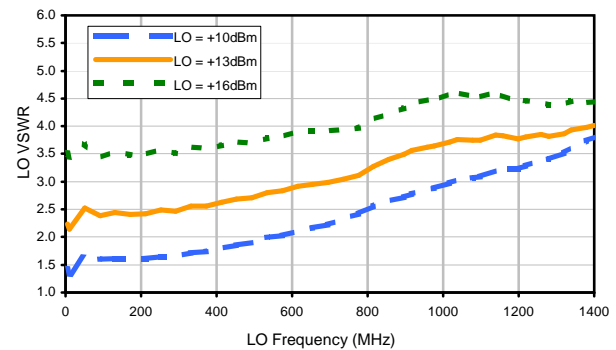
RF-IF Isolation



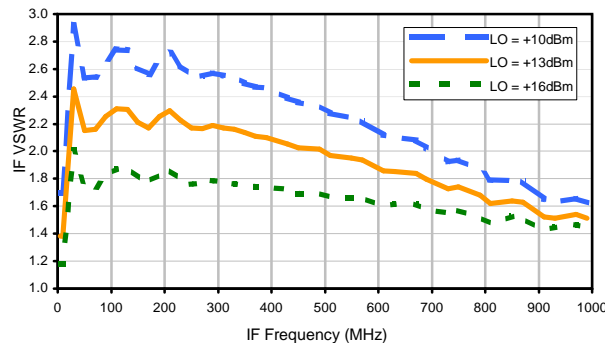
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	23	11	33	16	35	18	36	36	47
1	-	19	+0	31	13	33	28	41	43	39	48	44
2	>100	63	47	72	50	71	50	73	55	64	55	64
3	>100	69	73	70	61	69	59	71	68	75	64	>87
4	>100	>87	>87	87	>87	>87	80	>87	83	>87	>87	>87
5	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
6	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
7	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
8	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
9	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
10	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 500.1 MHz; -6.00 dBm.
 LO IN: 530.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -13.08 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	34	23	45	28	46	32	50	51	74
1	-	20	+0	29	13	36	28	47	42	44	52	51
2	81	60	39	55	39	68	41	59	48	62	45	63
3	>100	49	58	55	47	55	43	54	64	57	51	57
4	>100	77	69	69	66	69	66	75	62	85	72	69
5	>100	81	75	71	55	64	54	62	52	64	60	74
6	>100	95	88	93	77	83	70	76	64	75	65	78
7	>100	80	86	89	80	82	74	82	72	76	72	83
8	>100	>97	93	>97	>97	>97	91	>97	84	93	79	90
9	>100	>97	96	>97	>97	>97	89	94	85	88	86	88
10	>100	>97	>97	>97	>97	>97	>97	>97	96	>97	91	>97
	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; +13.00 dBm
 IF OUT: 29.91 MHz; -3.09 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.

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