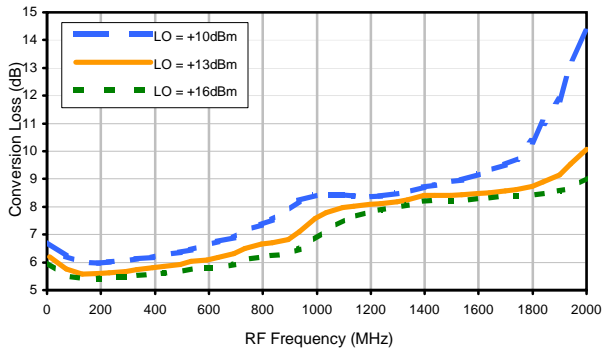


Frequency Mixer

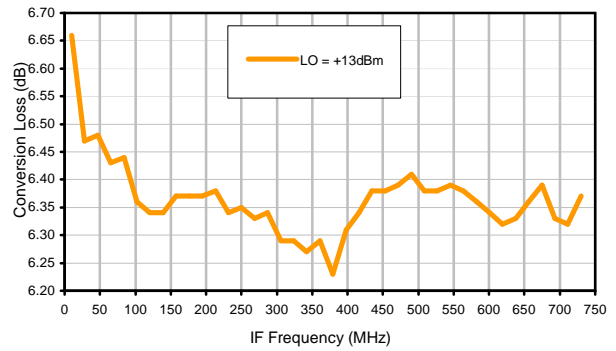
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Typical Performance Curves

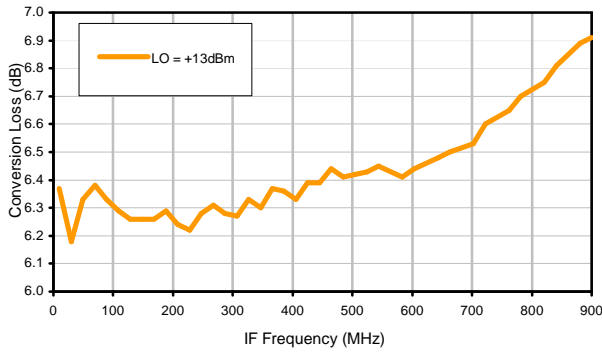
Conversion Loss @ IF=30MHz



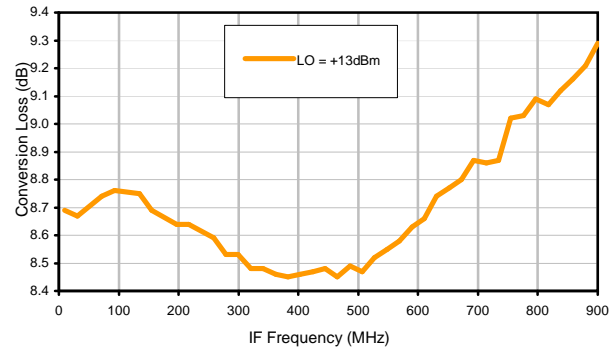
Conversion Loss vs. IF @ RF=750.1MHz



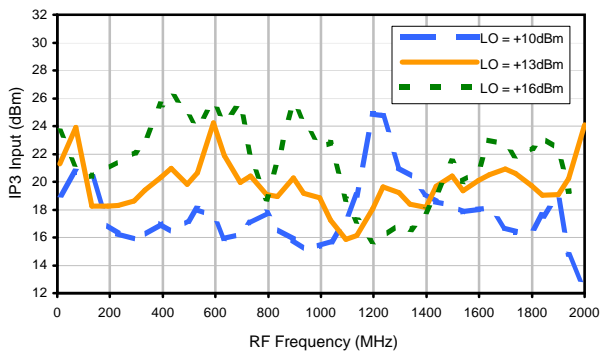
Conversion Loss vs. IF @ RF=10.1MHz



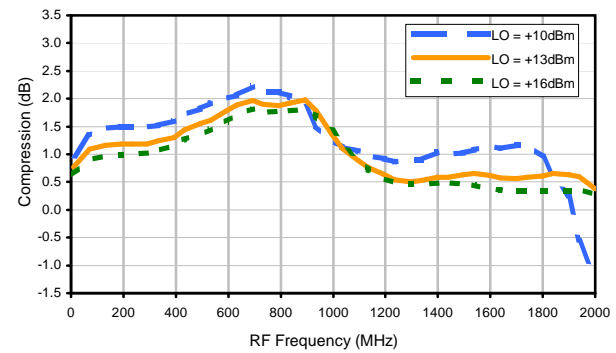
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input



Compression @ RF IN=+9dBm

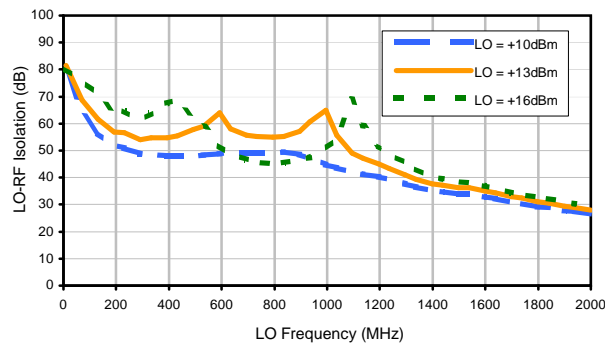


Frequency Mixer

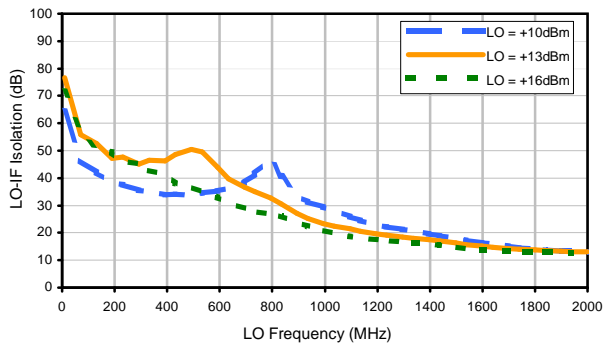
LRMS-5MHJ

Typical Performance Curves

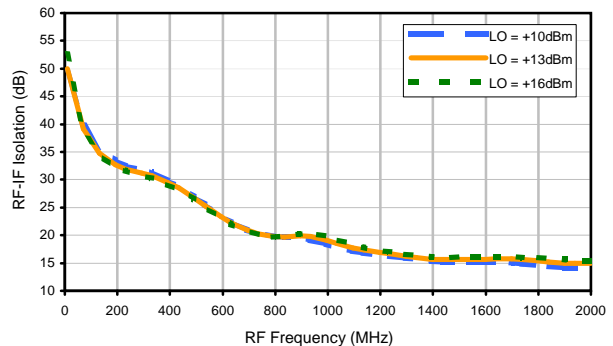
LO-RF Isolation



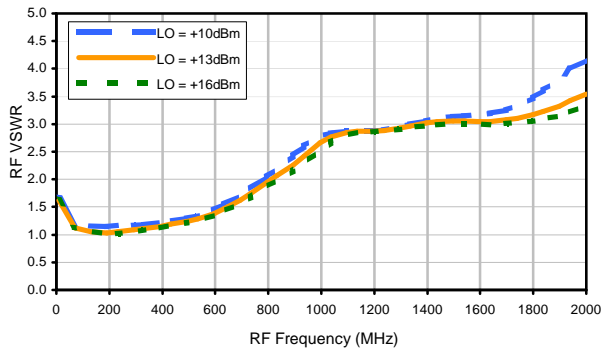
LO-IF Isolation



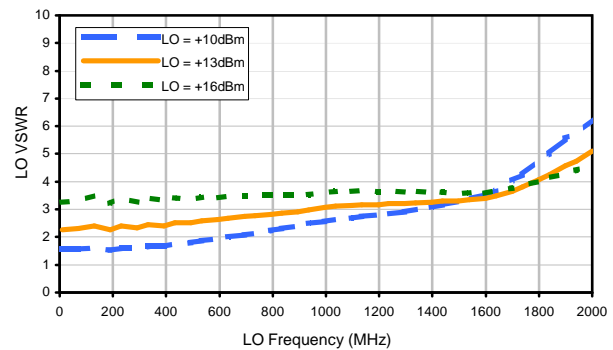
RF-IF Isolation



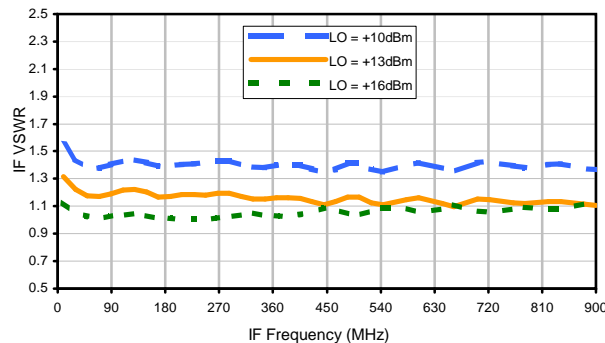
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	12	29	23	34	22	53	43	60	42	58
1	-	14	+0	36	19	38	47	51	43	57	52	60
2	82	45	28	45	27	56	44	62	38	54	55	66
3	>100	39	39	43	48	47	52	49	48	61	52	64
4	>100	58	60	53	64	54	48	59	55	52	67	61
5	>100	61	51	54	55	62	48	63	60	81	65	65
6	>100	87	79	64	69	71	50	67	49	66	60	73
7	>100	84	70	77	64	78	63	67	64	75	70	84
8	>100	96	91	87	85	75	81	69	67	67	67	77
9	>100	>97	89	95	79	81	76	81	74	73	77	74
10	>100	93	92	>97	94	94	84	75	89	84	66	77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 750.1 MHz; 4.00 dBm.
 LO IN: 780.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -2.58 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	19	11	21	8	36	36	44	32	39
1	-	13	+0	34	18	32	38	44	34	47	42	51
2	96	53	38	52	36	59	52	52	50	54	57	62
3	>100	64	58	60	53	61	63	70	58	76	64	74
4	>100	82	>87	>87	73	66	69	76	74	82	76	77
5	>100	80	>87	83	87	81	70	80	>87	>87	87	86
6	>100	>87	87	>87	78	>87	80	68	80	>87	82	>87
7	>100	>87	>87	85	85	87	>87	86	78	>87	>87	87
8	>100	>87	86	87	84	>87	>87	>87	79	78	>87	>87
9	>100	78	82	81	83	>87	>87	>87	>87	>87	79	>87
10	>100	84	79	>87	>87	80	>87	82	86	>87	78	77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 750.1 MHz; -6.00 dBm.
 LO IN: 780.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -12.62 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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