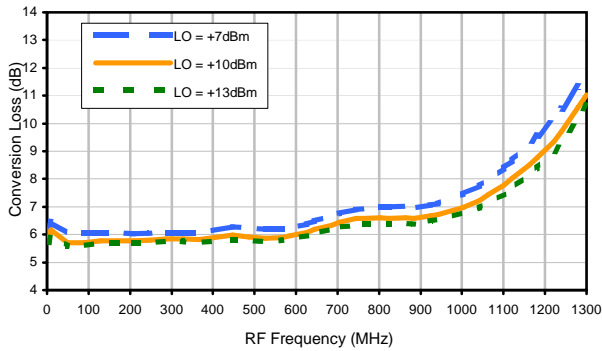


Frequency Mixer

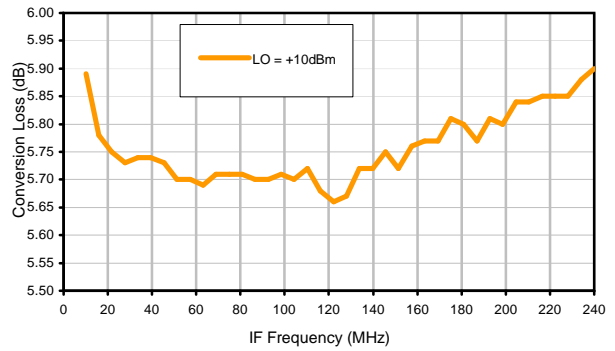
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Typical Performance Curves

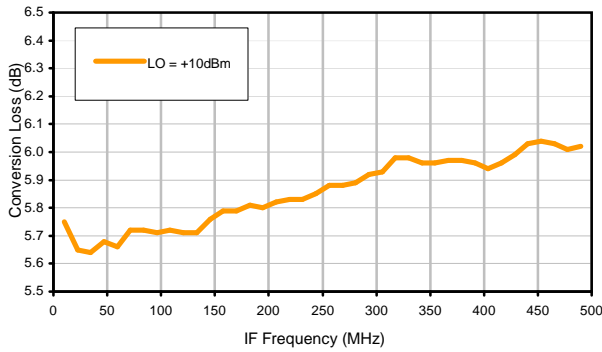
Conversion Loss @ IF=30MHz



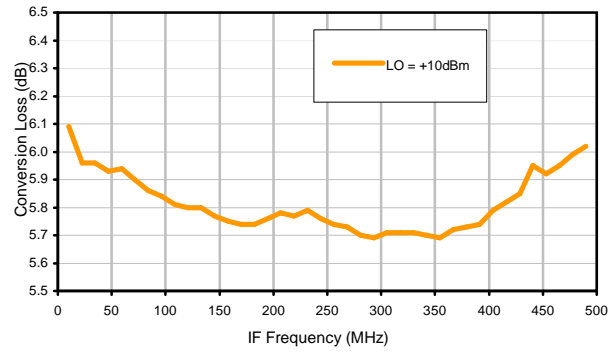
Conversion Loss vs. IF @ RF=250.1MHz



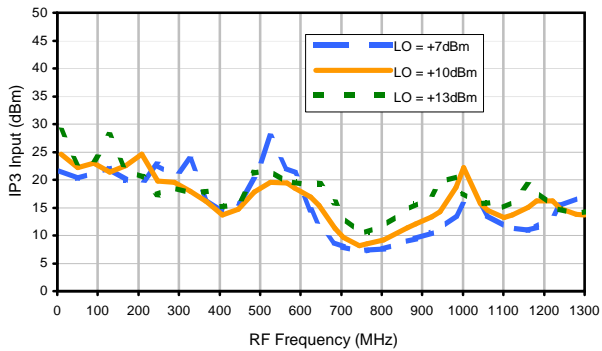
Conversion Loss vs. IF @ RF=10.1MHz



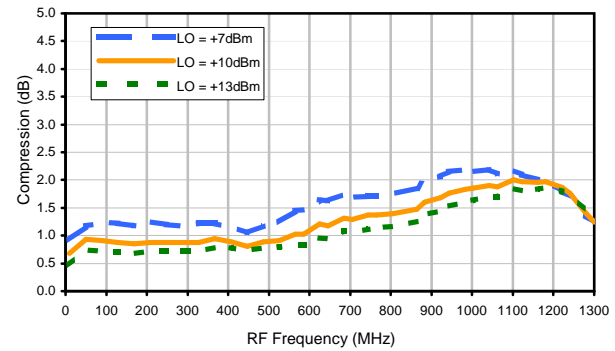
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

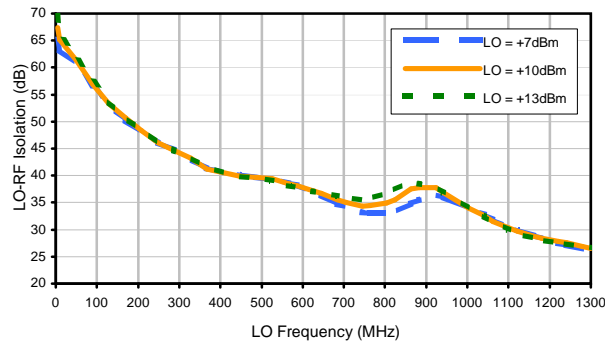


Compression @ RF IN=+5dBm

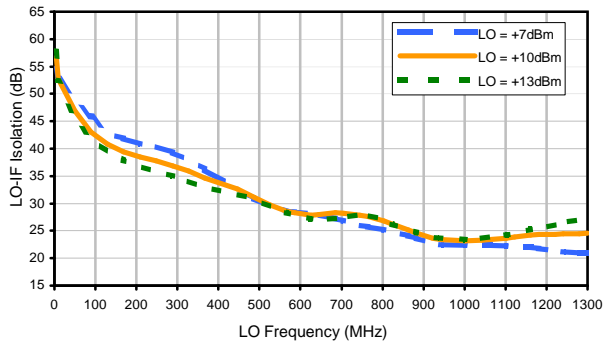


Typical Performance Curves

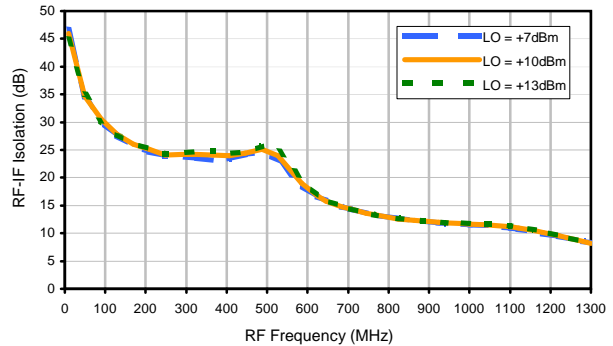
LO-RF Isolation



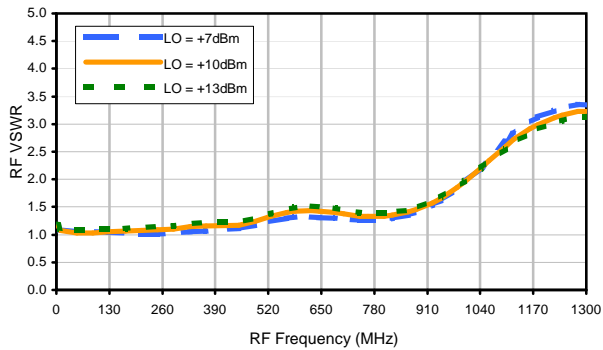
LO-IF Isolation



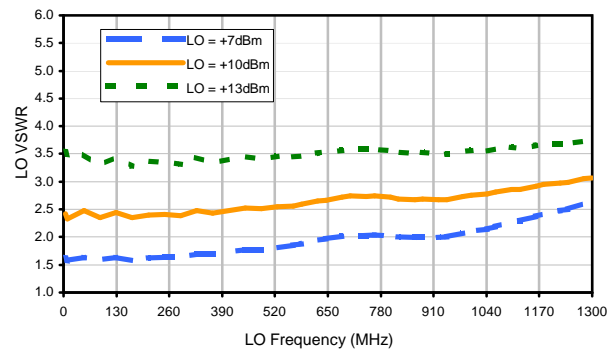
RF-IF Isolation



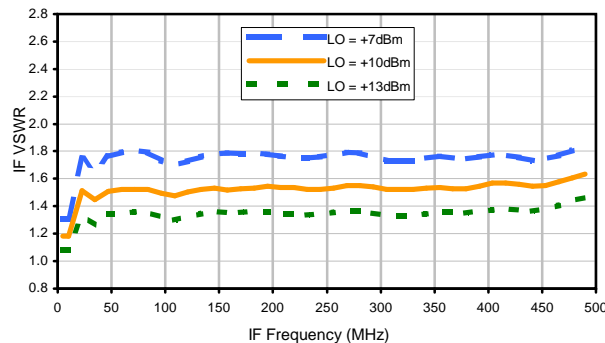
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	35	24	44	28	44	36	52	43	58
1	-	19	+0	30	12	34	18	32	26	54	46	54
2	93	60	40	71	40	58	40	53	40	51	44	62
3	>100	46	45	51	49	54	44	48	42	55	47	64
4	>100	70	59	71	58	70	57	66	53	64	50	64
5	>100	62	65	68	56	72	54	66	51	67	51	61
6	>100	74	65	86	67	79	69	78	69	77	66	80
7	>100	78	69	82	69	81	75	86	87	77	71	74
8	>100	86	79	82	79	90	77	91	77	87	80	82
9	>100	93	83	84	76	82	76	83	84	81	>94	93
10	>100	>94	92	>94	>94	>94	85	89	85	>94	79	>94
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 0.00 dBm.
 LO IN: 280.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -5.98 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	25	12	29	15	28	20	40	25	41
1	-	19	+0	29	12	32	17	30	25	53	44	45
2	>100	69	45	63	45	67	44	57	43	54	48	71
3	>100	66	64	70	65	>84	58	70	62	79	60	77
4	>100	>84	76	83	77	81	78	>84	75	>84	77	>84
5	>100	>84	>84	>84	>84	>84	83	>84	81	>84	82	>84
6	>100	>84	>84	>84	>84	>84	81	>84	>84	>84	>84	>84
7	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>100	>84	>84	>84	>84	>84	>84	>84	>84	67	>84	>84
10	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	79	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -10.00 dBm.
 LO IN: 280.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -15.91 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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