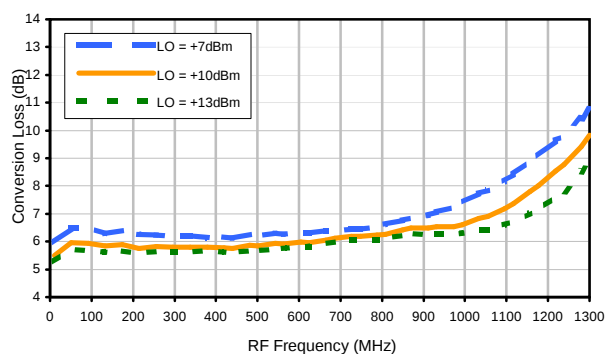


Frequency Mixer

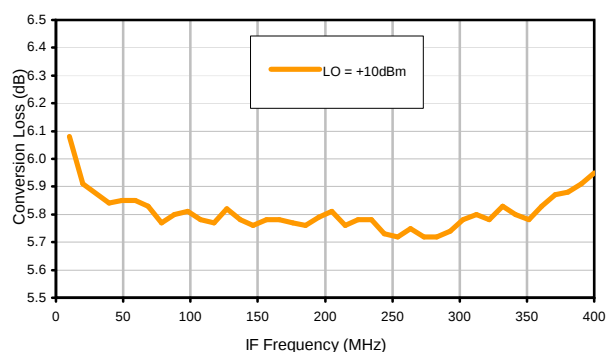
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Typical Performance Curves

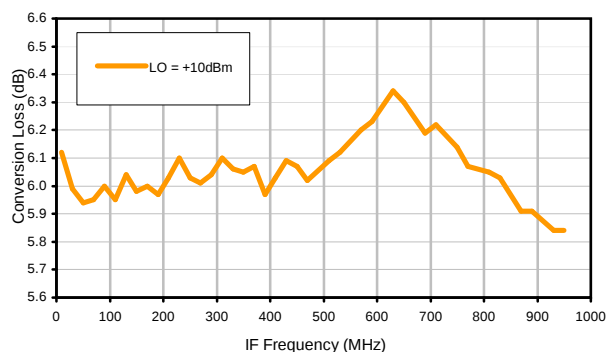
Conversion Loss @ IF=30MHz



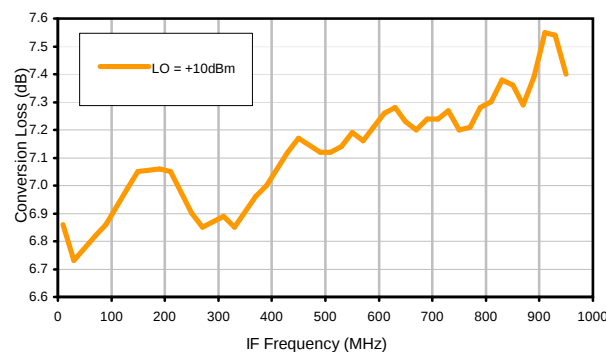
Conversion Loss vs. IF @ RF=500.1MHz



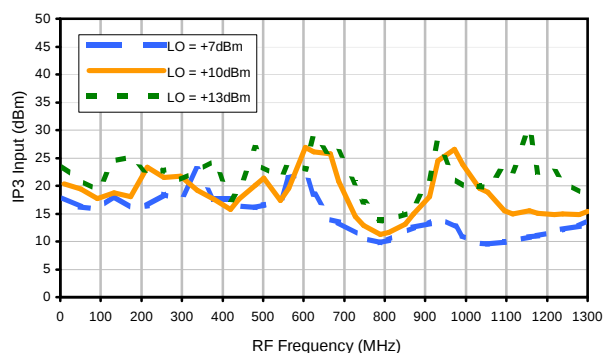
Conversion Loss vs. IF @ RF=50.1MHz



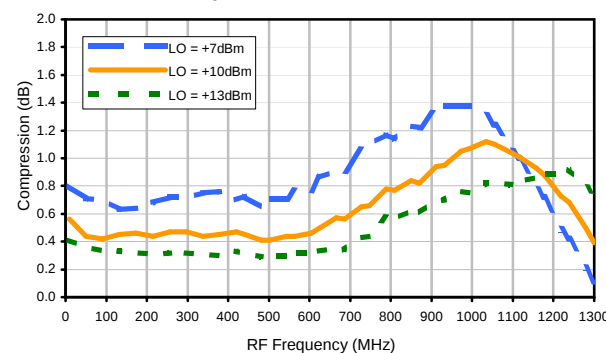
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input



Compression @ RF IN=+5dBm



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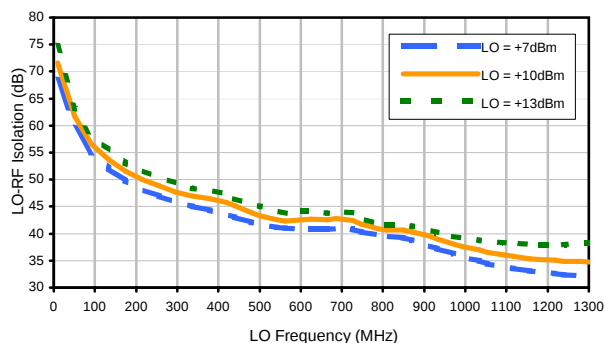


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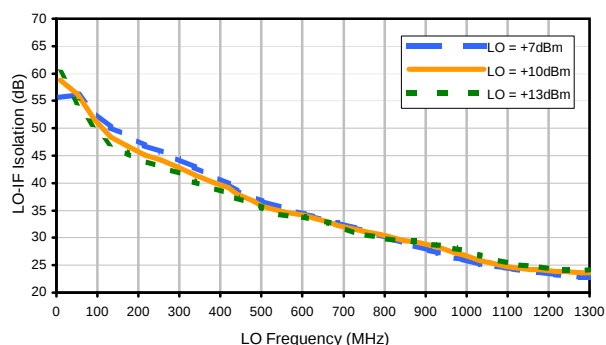


Typical Performance Curves

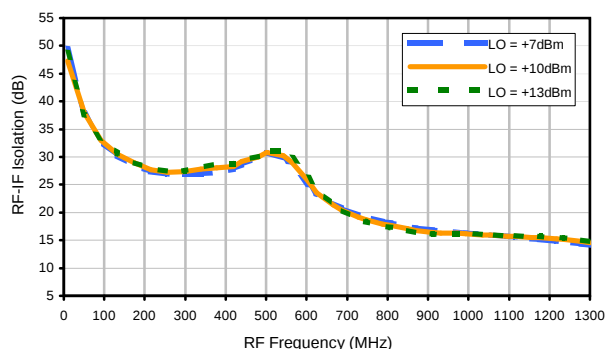
LO-RF Isolation



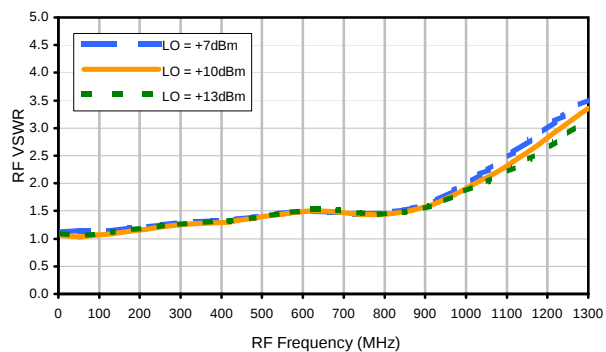
LO-IF Isolation



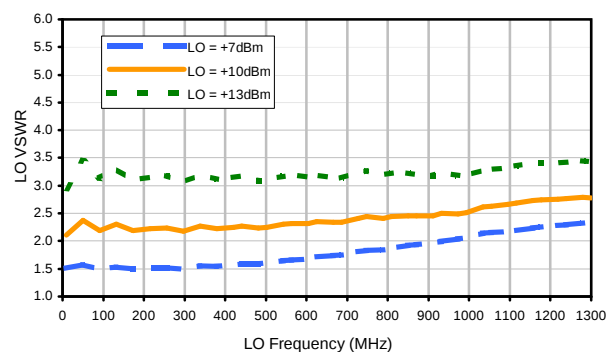
RF-IF Isolation



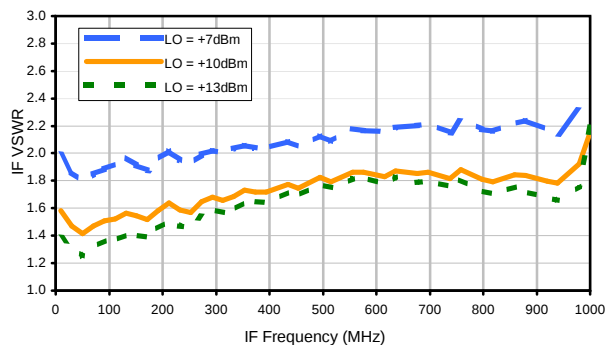
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	35	25	43	45	47	55	62	63	71
1	-	25	+0	28	11	32	22	40	43	36	54	55
2	90	67	43	63	43	67	43	56	64	73	70	59
3	>100	57	52	67	53	58	43	56	53	57	56	47
4	>100	74	71	83	66	73	64	74	59	78	78	70
5	>100	74	65	69	63	67	57	65	55	64	60	82
6	>100	>94	86	86	81	85	85	85	78	84	76	85
7	>100	81	89	91	79	93	78	83	80	80	>94	83
8	>100	>94	>94	>94	>94	91	93	90	91	87	92	93
9	>100	>94	>94	>94	>94	>94	91	>94	89	>94	>94	>94
10	>100	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 500.1 MHz; 0.00 dBm.

LO IN: 530.01 MHz; +10.00 dBm

IF OUT: 29.91 MHz; -6.04 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	9	25	13	30	33	38	43	40	42	58
1	-	25	+0	29	11	30	21	37	40	31	48	50
2	98	84	51	75	51	77	50	66	72	72	74	60
3	>100	73	71	74	66	73	61	70	69	79	73	72
4	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
5	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
6	>100	>84	>84	>84	>84	>84	>84	>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	>84	>84	>84
10	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 500.1 MHz; -10.00 dBm.

LO IN: 530.01 MHz; +10.00 dBm

IF OUT: 29.91 MHz; -16.02 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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