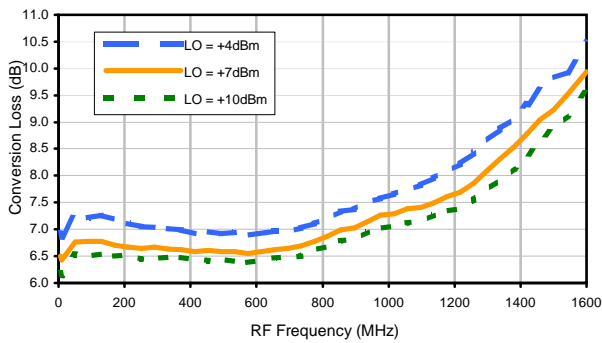


Frequency Mixer

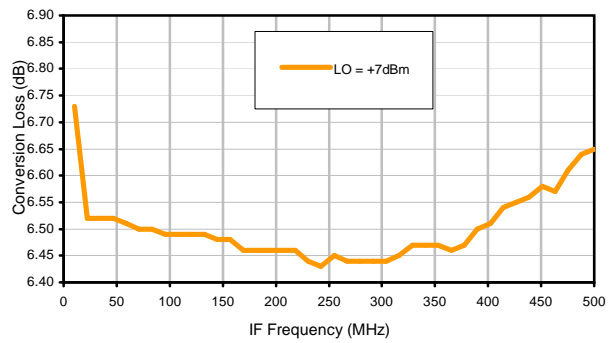
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Typical Performance Curves

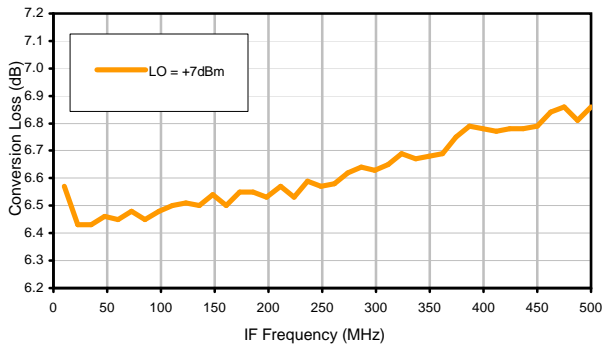
Conversion Loss @ IF=30MHz



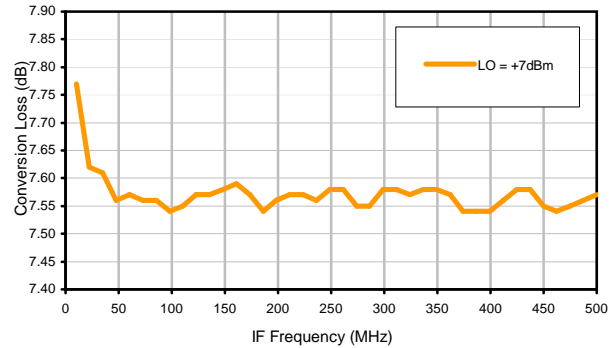
Conversion Loss vs. IF @ RF=600.1MHz



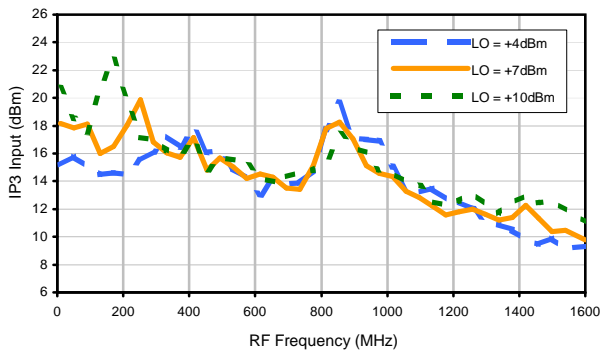
Conversion Loss vs. IF @ RF=10.1MHz



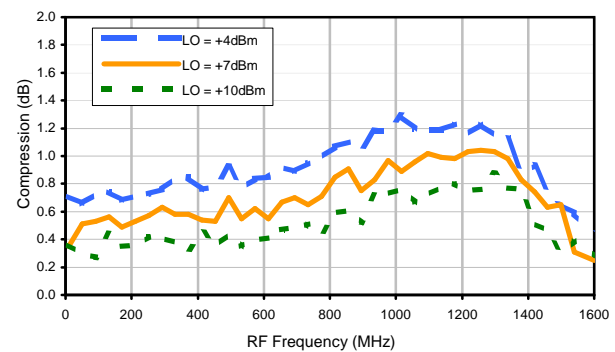
Conversion Loss vs. IF @ RF=1200.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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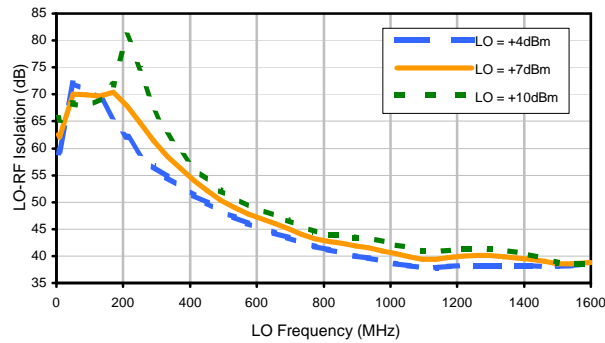


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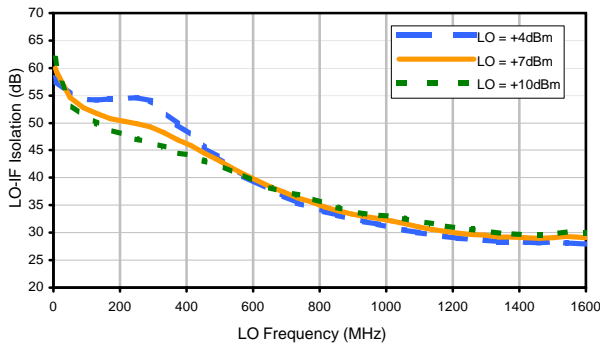


Typical Performance Curves

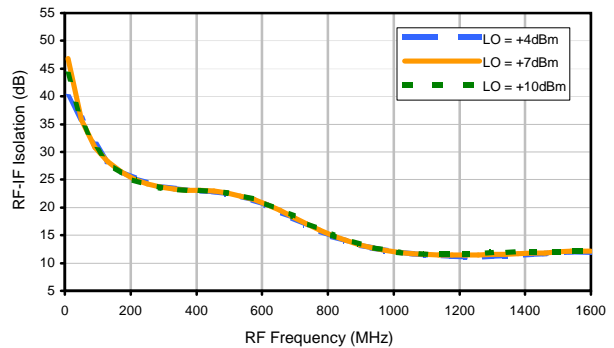
LO-RF Isolation



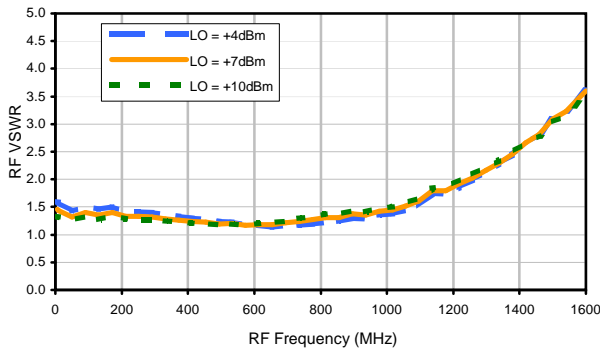
LO-IF Isolation



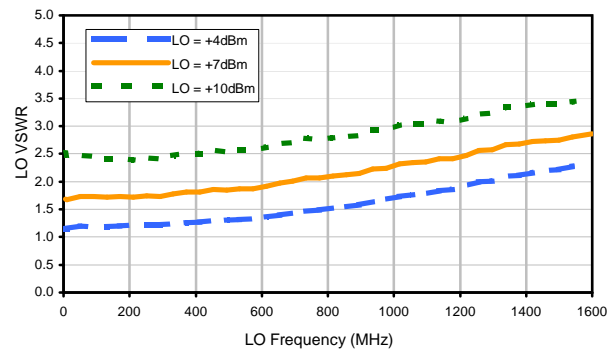
RF-IF Isolation



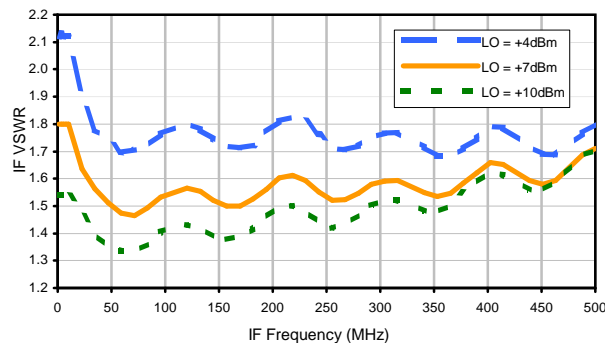
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	27	18	31	46	38	22	38	27	48
1	-	14	0	34	12	27	23	48	48	44	49	35
2	112	70	59	64	59	71	58	67	75	75	57	70
3	119	76	70	74	67	74	70	71	79	82	84	80
4	112	104	96	100	97	89	94	105	94	101	105	113
5	130	101	103	98	108	101	89	100	99	102	100	117
6	116	114	101	102	100	106	102	90	107	116	109	99
7	121	98	102	102	102	105	119	92	86	96	102	105
8	118	102	106	101	107	107	102	114	100	88	104	108
9	116	111	102	107	109	109	100	101	105	91	98	103
10	118	108	111	102	109	107	112	99	102	102	97	94
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 600.1 MHz; -14.00 dBm.
 LO IN: 630.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -20.70 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	21	37	28	43	53	50	35	49	42	62
1	-	14	0	33	12	28	24	53	47	48	51	40
2	93	65	50	55	49	77	52	61	66	65	51	65
3	112	56	48	54	45	59	50	49	51	65	71	61
4	125	78	78	69	71	70	74	70	64	71	80	88
5	116	83	77	74	61	75	59	75	60	73	65	81
6	111	108	97	86	90	81	80	82	80	99	82	87
7	126	92	105	91	80	79	77	87	76	89	83	87
8	126	133	104	120	112	102	107	105	110	93	101	94
9	113	104	110	113	109	112	102	98	97	113	90	99
10	105	110	114	120	115	115	112	107	114	101	101	99
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 600.1 MHz; -4.00 dBm.
 LO IN: 630.01 MHz; +7.00 dBm
 IF OUT: 29.91 MHz; -10.69 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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