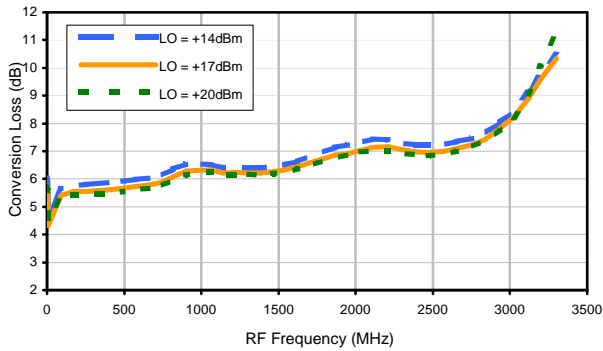


Frequency Mixer

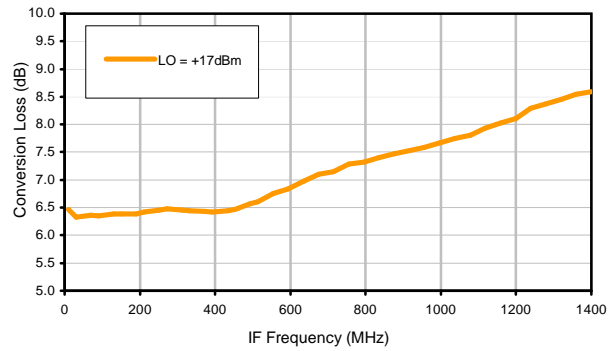
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Typical Performance Curves

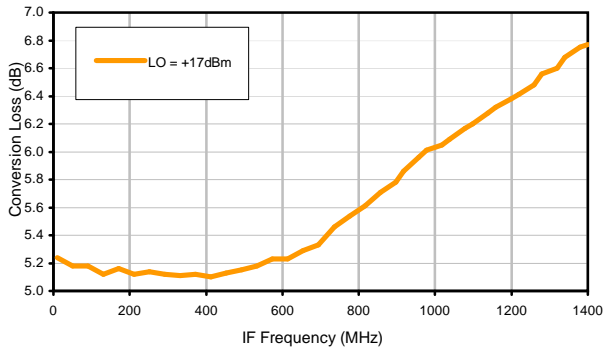
Conversion Loss @ IF=30MHz



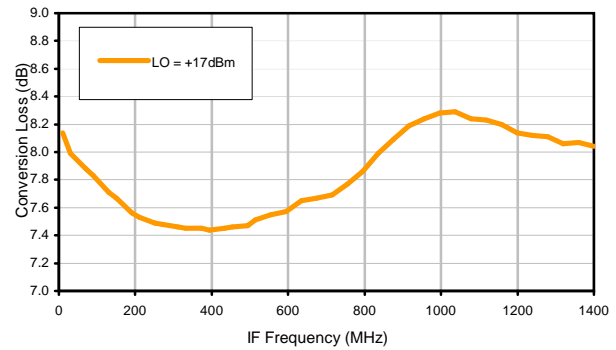
Conversion Loss vs. IF @ RF=1500.1MHz



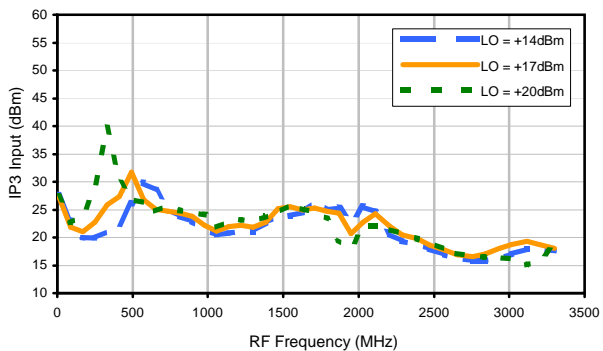
Conversion Loss vs. IF @ RF=10.1MHz



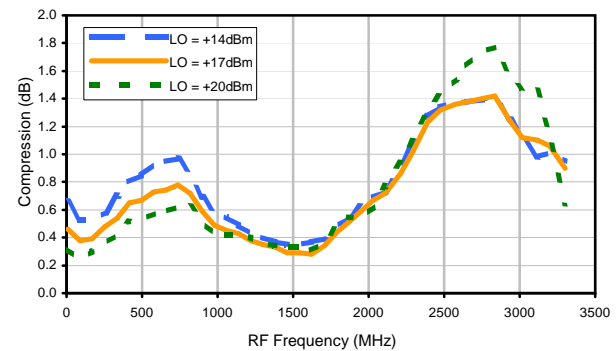
Conversion Loss vs. IF @ RF=3000.1MHz



IP3 Input



Compression @ RF IN=+10dBm



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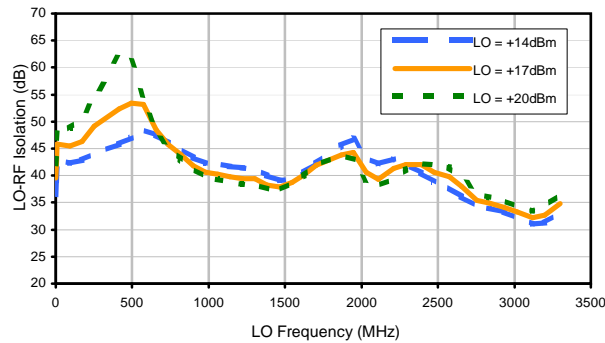


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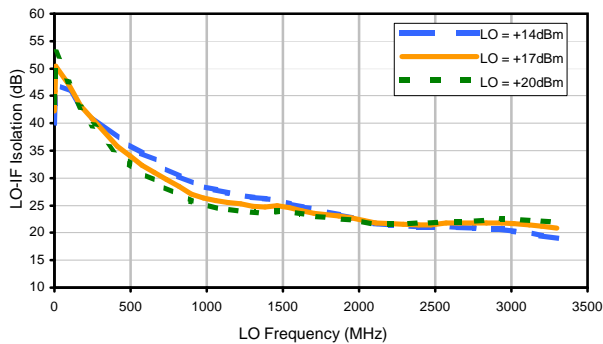


Typical Performance Curves

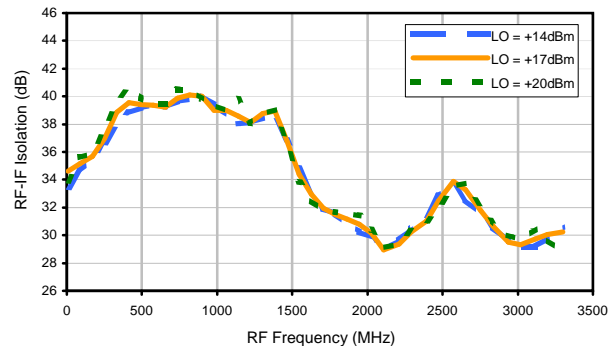
LO-RF Isolation



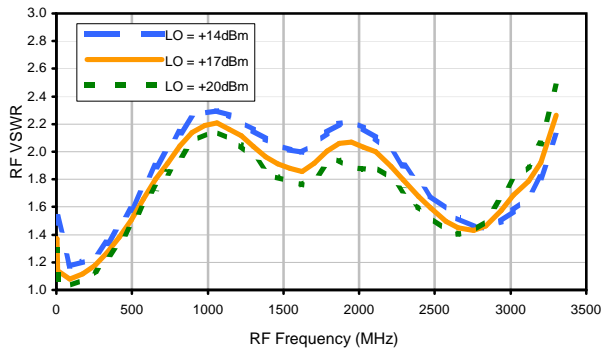
LO-IF Isolation



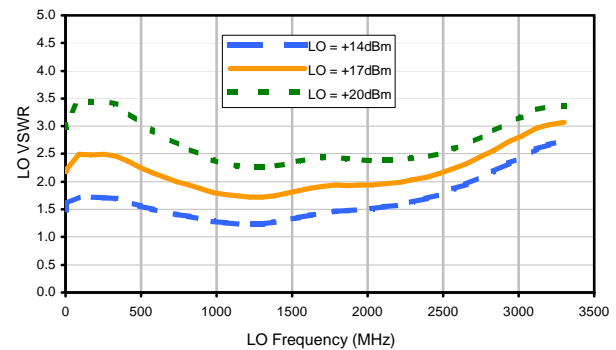
RF-IF Isolation



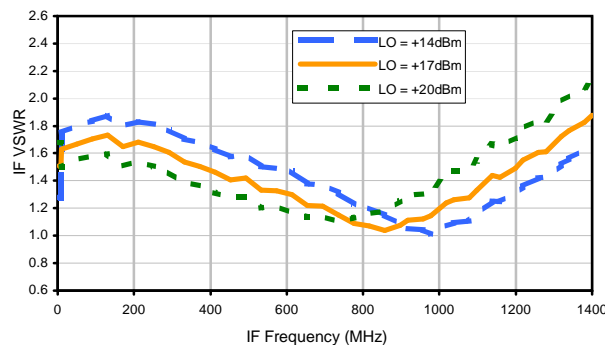
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	17	6	25	11	34	19	34	29	37
1	-	29	+0	47	14	43	31	48	34	41	54	48
2	91	61	50	67	49	62	51	68	54	72	53	57
3	>100	87	67	88	69	80	82	81	84	87	78	75
4	>100	>89	>89	>89	>89	>89	88	>89	>89	>89	>89	>89
5	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
6	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1500.1 MHz; -5.00 dBm.
 LO IN: 1530.01 MHz; +17.00 dBm
 IF OUT: 29.91 MHz; -11.31 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	27	16	35	23	43	33	49	42	52
1	-	29	+0	46	14	46	31	51	35	45	52	49
2	80	54	40	67	38	62	42	58	45	63	46	56
3	>100	68	46	72	47	71	55	67	60	69	57	61
4	>100	89	71	75	62	67	60	65	62	70	65	80
5	>100	80	80	77	78	74	74	73	75	79	83	89
6	>100	87	91	>99	>99	>99	92	82	86	79	86	85
7	>100	>99	>99	96	97	97	92	89	88	90	87	95
8	>100	92	>99	98	>99	>99	>99	>99	92	>99	96	96
9	>100	>99	>99	>99	>99	>99	>99	>99	>99	>99	>99	>99
10	>100	>99	>99	>99	>99	>99	>99	>99	>99	>99	>99	>99
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1500.1 MHz; 5.00 dBm.
 LO IN: 1530.01 MHz; +17.00 dBm
 IF OUT: 29.91 MHz; -1.36 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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