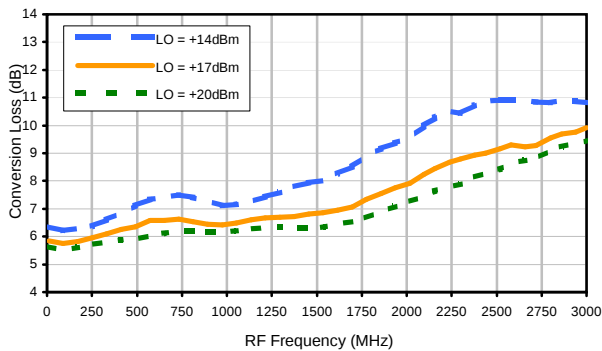


Frequency Mixer

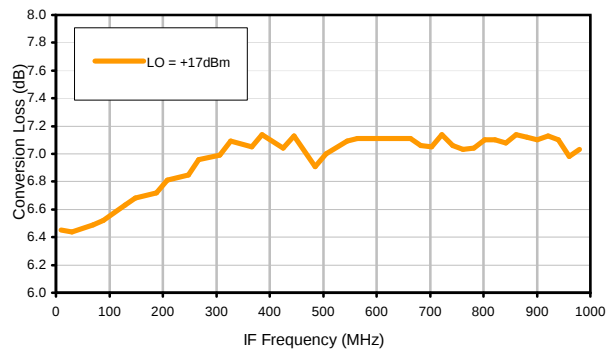
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Typical Performance Curves

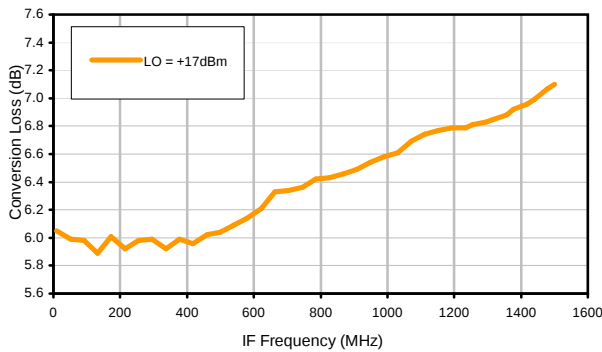
Conversion Loss @ IF=30MHz



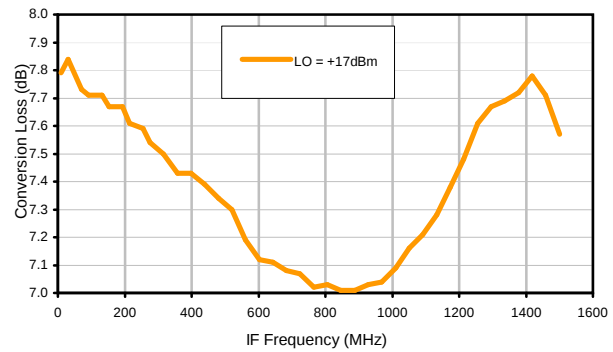
Conversion Loss vs. IF @ RF=1000.1MHz



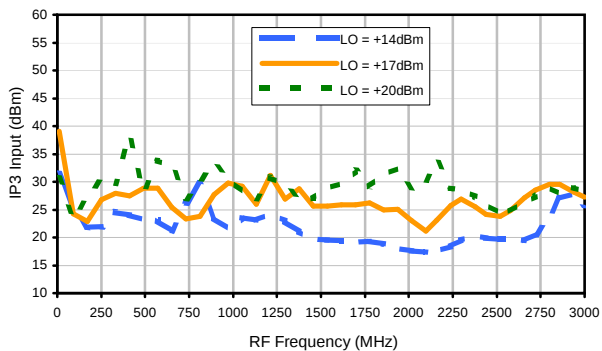
Conversion Loss vs. IF @ RF=10.1MHz



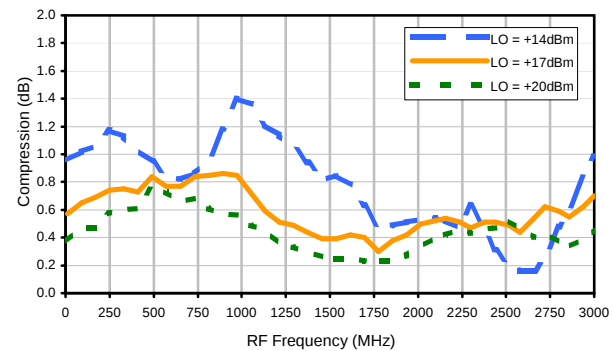
Conversion Loss vs. IF @ RF=2000.1MHz



IP3 Input



Compression @ RF IN=+14dBm



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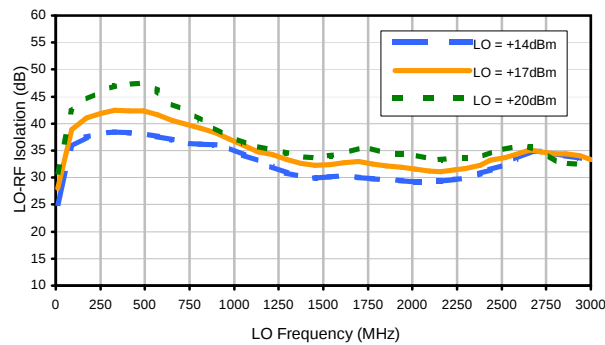
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100920

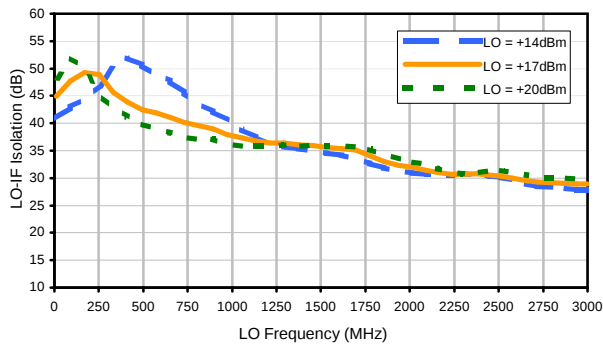
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Typical Performance Curves

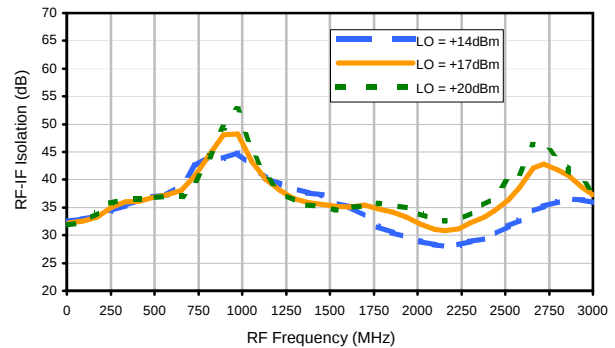
LO-RF Isolation



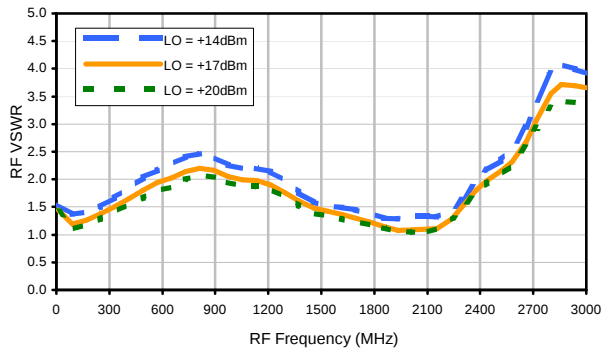
LO-IF Isolation



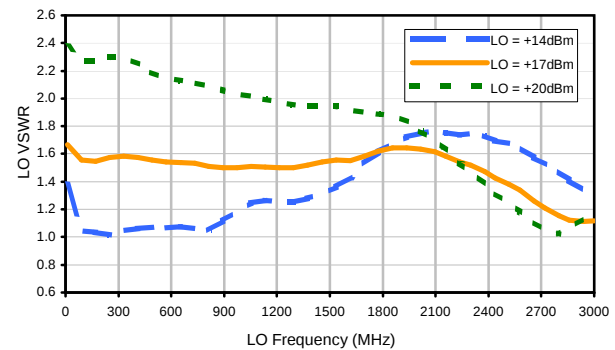
RF-IF Isolation



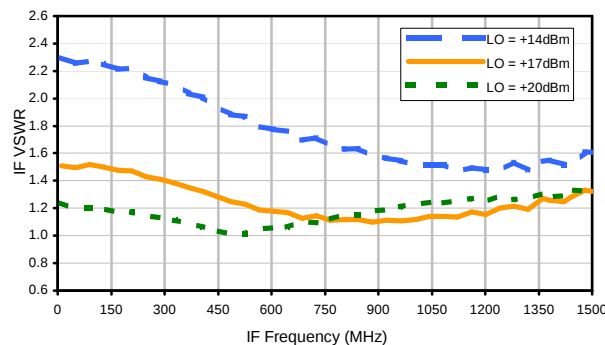
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	14	13	27	27	31	32	38	31	48	57
1	-	38	+0	58	15	51	24	49	39	49	39	46
2	>100	61	60	57	70	60	68	62	68	70	71	58
3	>100	80	68	80	71	85	70	92	68	90	72	88
4	>100	>92	>92	>92	>92	89	>92	>92	>92	>92	>92	>92
5	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
6	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
7	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
9	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1000.1 MHz; -1.00 dBm.
LO IN: 1030.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -7.63 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	23	24	38	39	45	47	53	49	58	67
1	-	36	+0	48	15	50	25	51	42	54	47	53
2	85	49	50	46	59	51	60	58	62	59	69	53
3	>100	56	46	56	47	62	54	79	54	70	58	66
4	>100	71	83	81	82	80	75	74	70	63	69	67
5	>100	86	63	77	63	76	61	81	64	81	64	90
6	>100	87	97	92	94	88	92	79	83	80	82	81
7	>100	94	97	>102	80	91	80	88	76	87	78	88
8	>100	99	>102	100	>102	>102	>102	97	99	91	98	88
9	>100	>102	102	>102	>102	>102	95	>102	93	97	94	98
10	>100	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102	101
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1000.1 MHz; 9.00 dBm.
LO IN: 1030.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; 2.35 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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