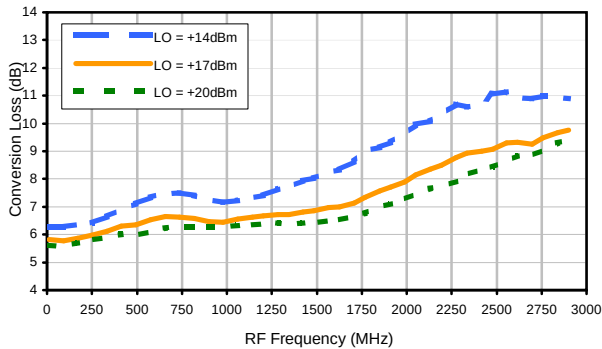


Frequency Mixer

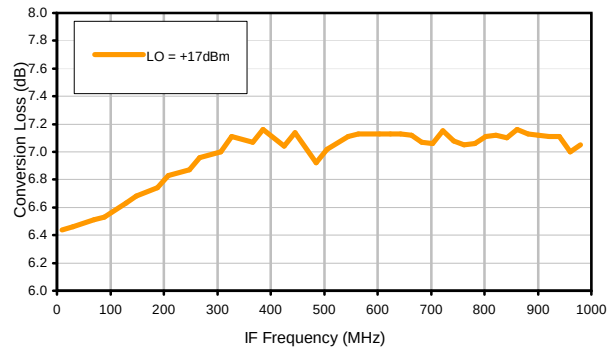
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Typical Performance Curves

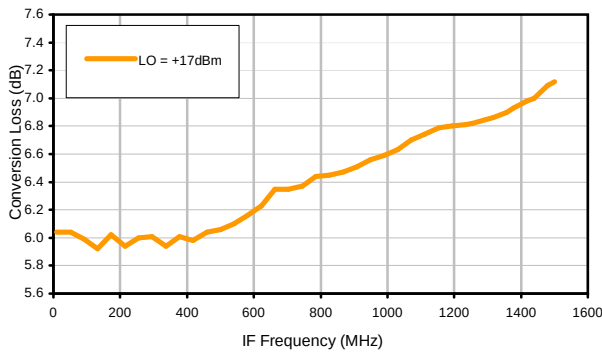
Conversion Loss @ IF=30MHz



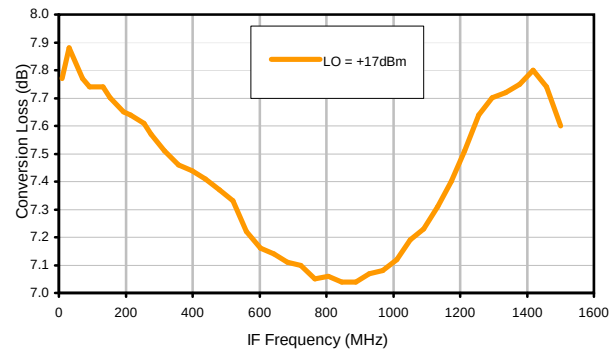
Conversion Loss vs. IF @ RF=1000.1MHz



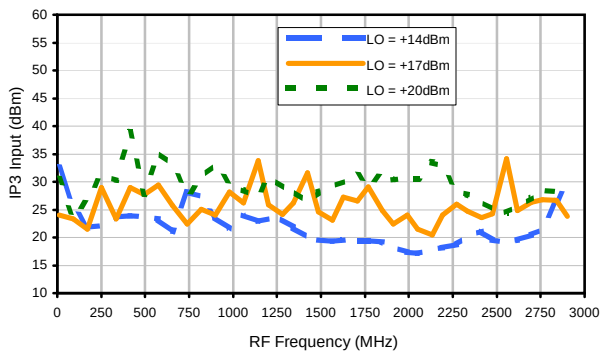
Conversion Loss vs. IF @ RF=10.1MHz



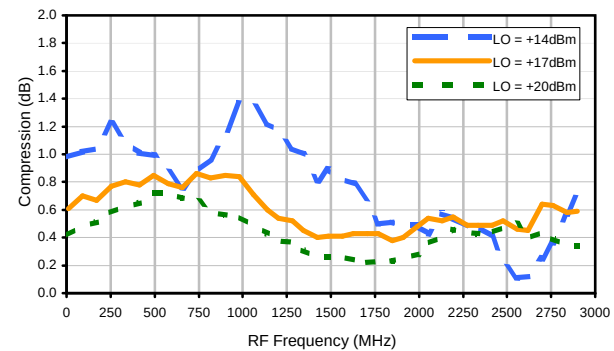
Conversion Loss vs. IF @ RF=2000.1MHz



IP3 Input



Compression @ RF IN=+14dBm



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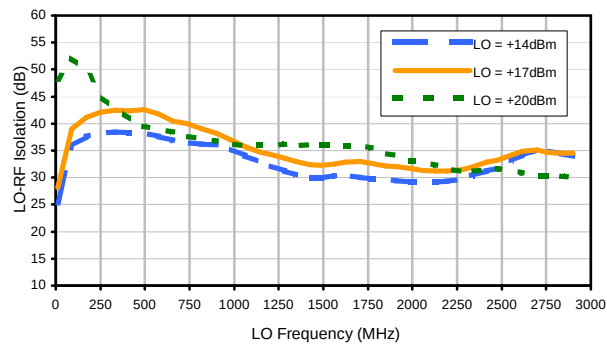


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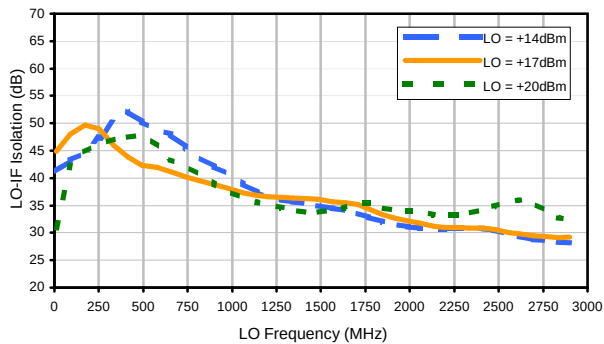


Typical Performance Curves

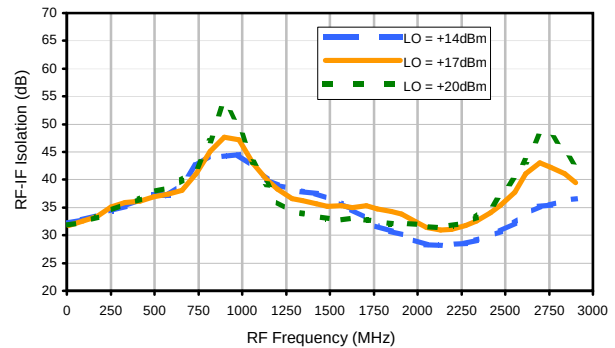
LO-RF Isolation



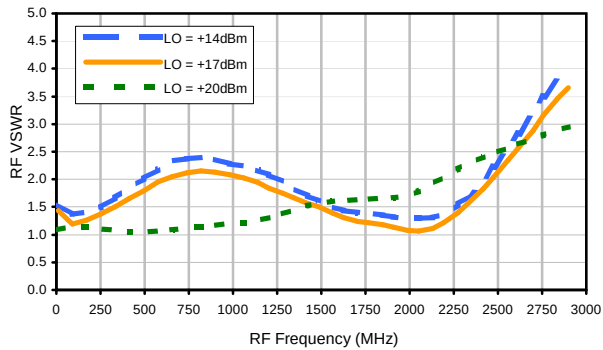
LO-IF Isolation



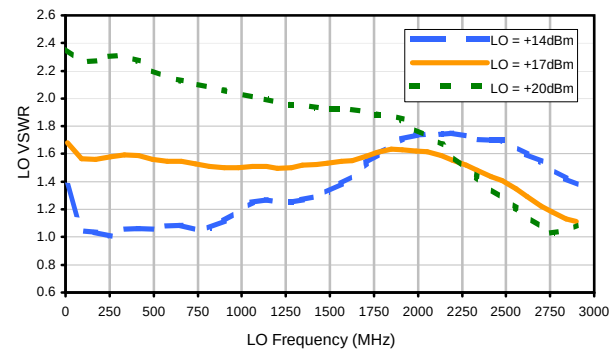
RF-IF Isolation



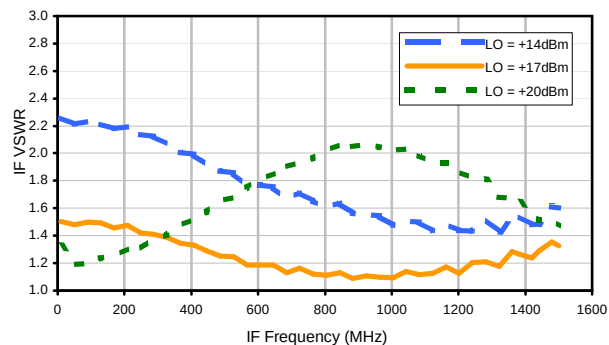
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	16	20	37	32	51	31	46	44	52
1	-	32	+0	36	15	31	23	39	47	42	49	61
2	>100	55	53	54	54	58	53	65	58	69	61	71
3	>100	71	66	71	56	74	61	64	59	71	66	69
4	>100	90	84	83	>92	80	89	85	90	89	>92	>92
5	>100	>92	>92	>92	92	>92	84	>92	88	>92	89	>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; -7.62 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	27	32	54	46	62	52	66	67	70
1	-	34	+0	39	15	34	26	45	56	52	57	82
2	85	47	44	49	47	50	47	63	53	66	54	68
3	>100	56	41	55	39	55	48	51	43	56	61	59
4	>100	75	75	58	65	57	61	57	65	66	64	66
5	>100	74	69	71	59	70	57	68	58	62	60	70
6	>100	96	89	77	75	73	82	67	73	70	73	72
7	>100	85	76	92	70	77	66	76	68	72	74	69
8	>100	96	90	87	>102	84	82	79	85	81	79	80
9	>100	>102	94	95	89	97	85	102	81	100	79	88
10	>100	>102	>102	98	99	92	102	85	91	81	90	79
	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; 2.33 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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