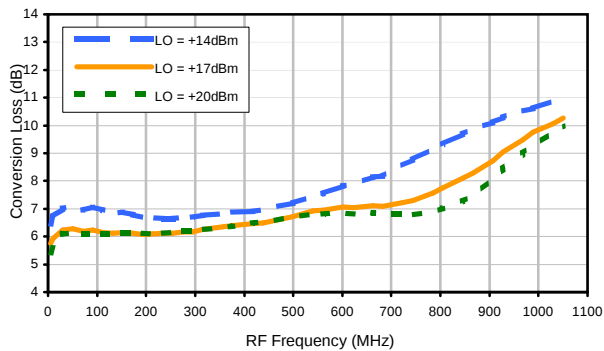


Frequency Mixer

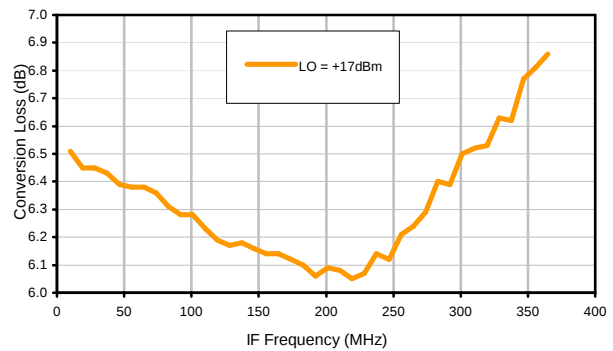
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Typical Performance Curves

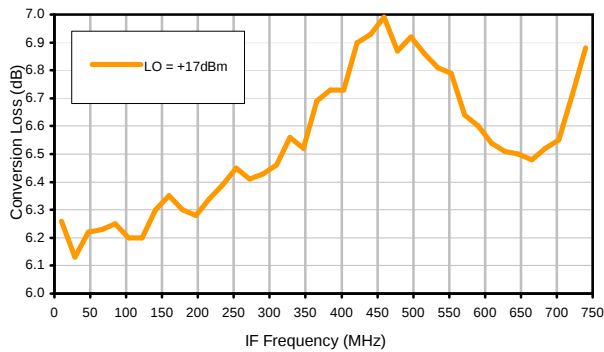
Conversion Loss @ IF=30MHz



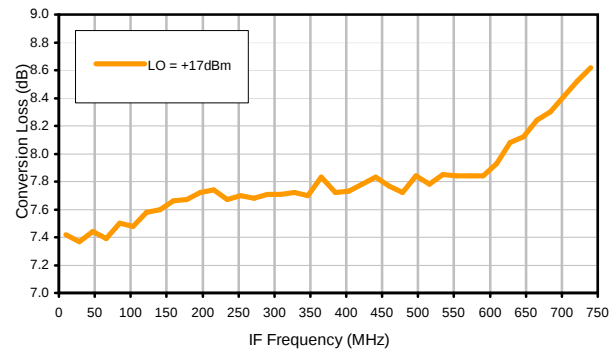
Conversion Loss vs. IF @ RF=375.1MHz



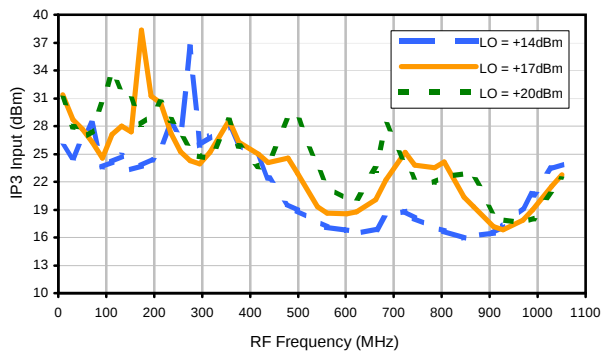
Conversion Loss vs. IF @ RF=10.1MHz



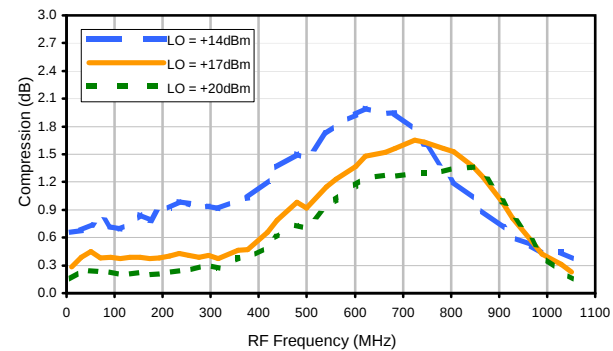
Conversion Loss vs. IF @ RF=750.1MHz



IP3 Input

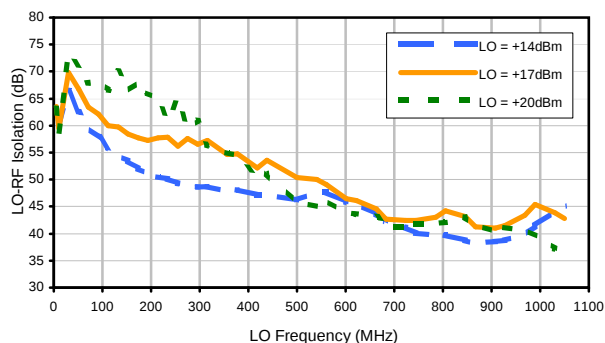


Compression @ RF IN=+14dBm

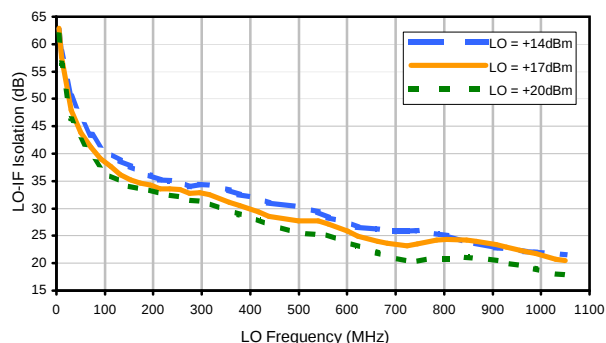


Typical Performance Curves

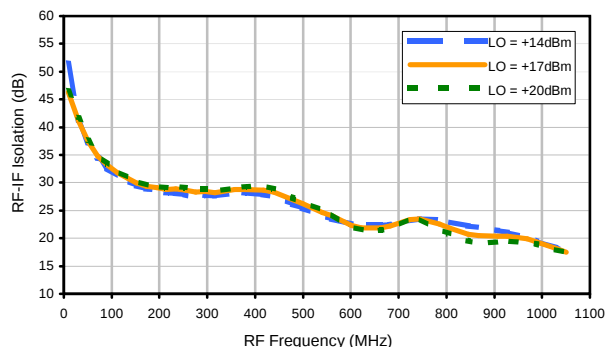
LO-RF Isolation



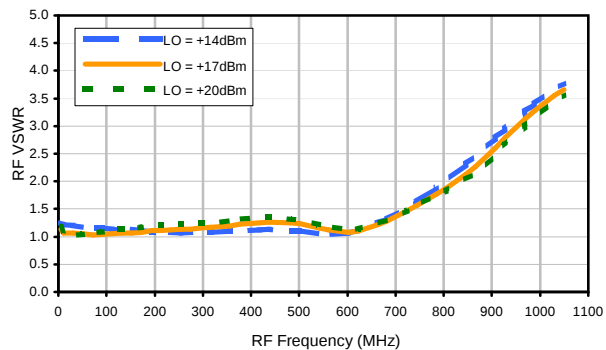
LO-IF Isolation



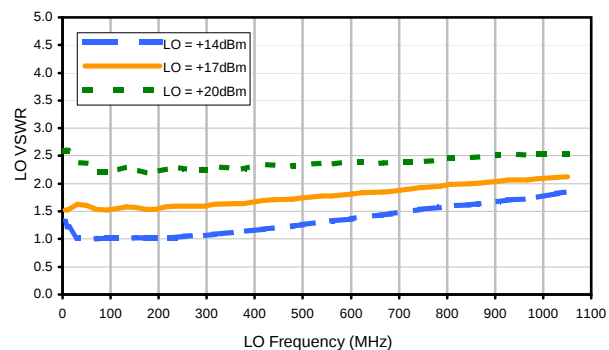
RF-IF Isolation



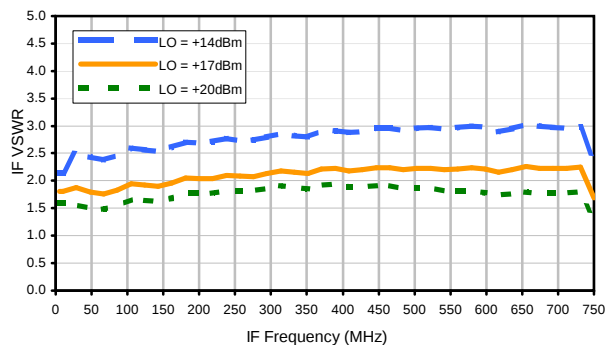
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	5	36	10	34	17	52	31	42	32	50
1	-	23	+0	33	12	38	29	48	32	42	36	55
2	98	56	37	56	38	55	38	58	50	64	49	65
3	>100	70	61	72	62	67	58	72	68	82	60	73
4	>100	78	67	73	66	71	69	71	70	83	87	81
5	>100	>92	91	>92	>92	>92	84	88	84	88	92	>92
6	>100	>92	>92	>92	>92	>92	>92	89	>92	89	>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: 370.1 MHz; -1.00 dBm.
LO IN: 400.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -7.53 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	14	47	26	48	32	60	47	51	47	65
1	-	23	+0	32	13	39	29	49	38	49	46	67
2	86	60	33	69	34	57	34	53	43	66	50	63
3	>100	58	43	58	44	56	41	71	61	63	47	59
4	>100	70	49	66	47	68	49	67	48	67	60	69
5	>100	82	68	76	59	73	56	65	53	67	66	79
6	>100	80	70	74	59	68	59	67	60	67	63	79
7	>100	86	82	93	77	>102	78	97	75	86	73	92
8	>100	89	84	92	82	82	72	77	71	74	70	74
9	>100	>102	>102	101	89	>102	80	88	83	86	81	86
10	>100	>102	96	96	102	101	101	87	91	84	82	79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 370.1 MHz; 9.00 dBm.
LO IN: 400.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; 2.38 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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