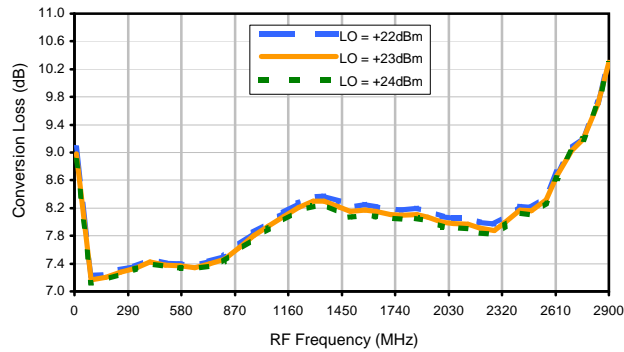


Frequency Mixer

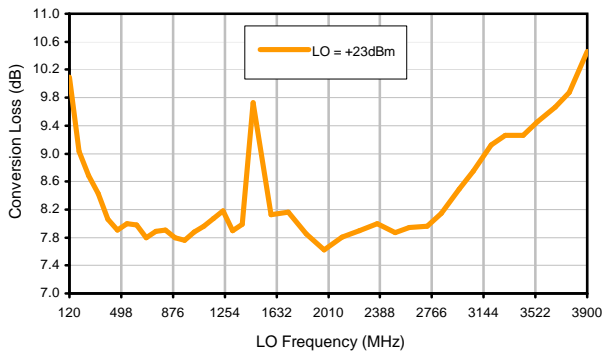
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Typical Performance Curves

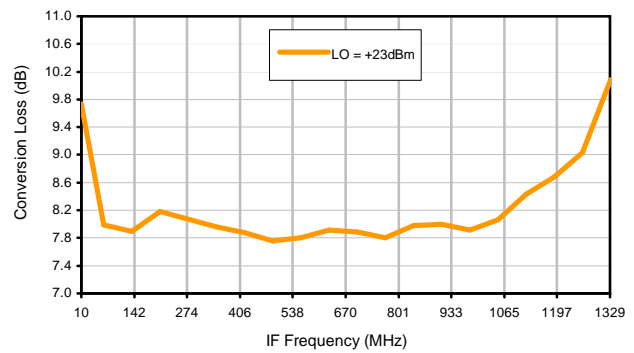
Conversion Loss @ IF=250MHz



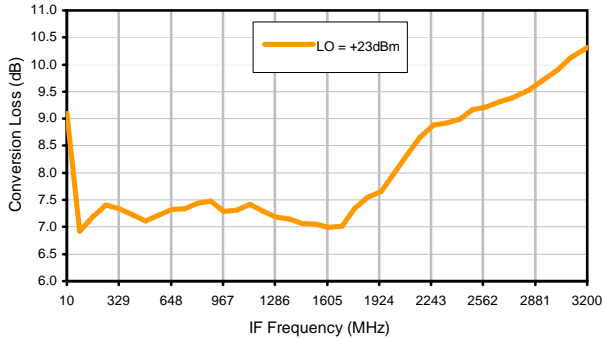
Conversion Loss vs. LO @ RF=1450MHz



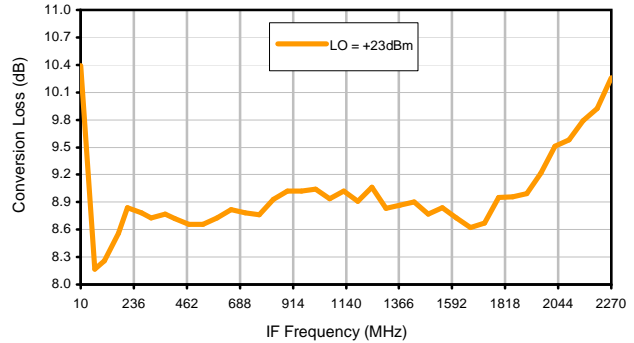
Conversion Loss vs. IF @ RF=1450MHz



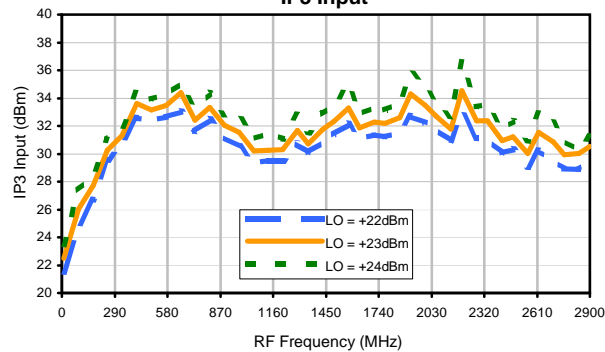
Conversion Loss vs. IF @ RF=400MHz



Conversion Loss vs. IF @ RF=2500.1MHz

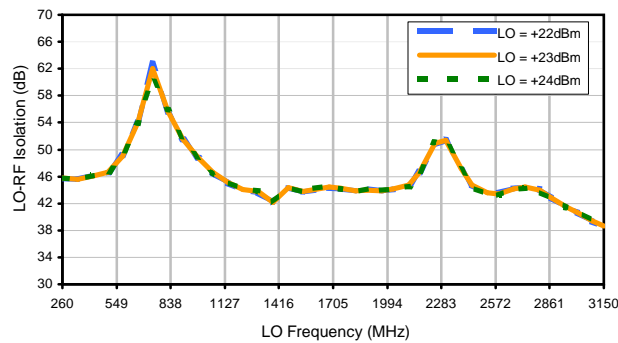


IP3 Input

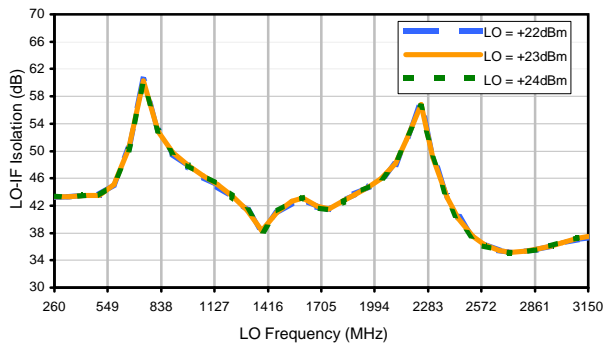


Typical Performance Curves

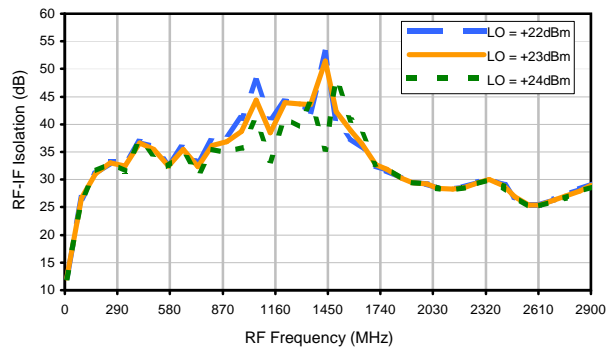
LO-RF Isolation



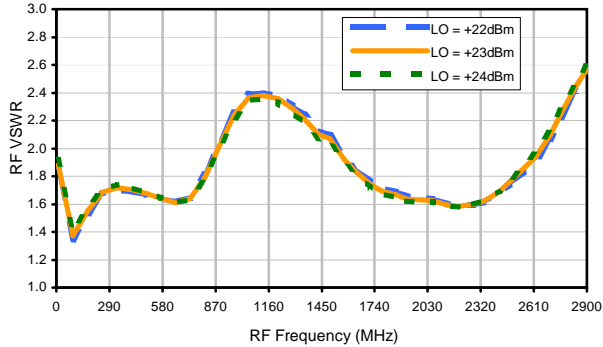
LO-IF Isolation



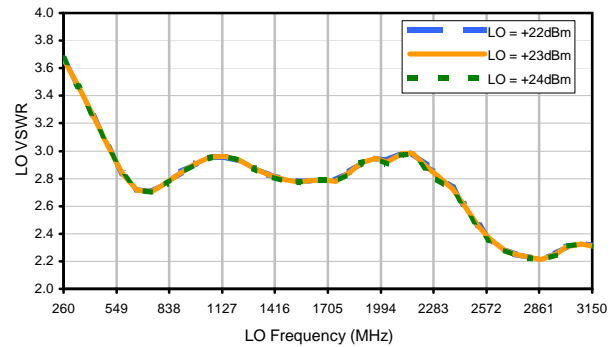
RF-IF Isolation



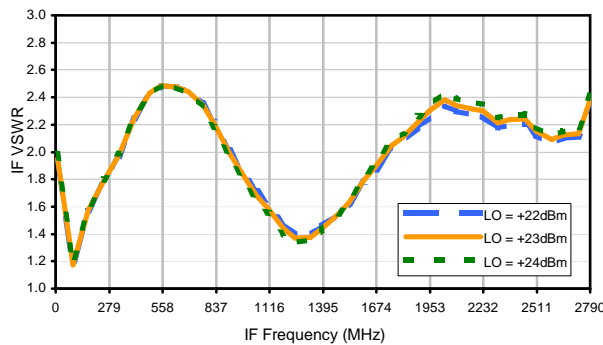
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

LAVI-25VH+

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	18	24	26	31	35	46	55	45	51	69
1	-	28	+0	27	15	40	35	53	45	50	51	56
2	65	44	66	47	53	36	56	40	68	47	73	56
3	>90	76	59	67	56	65	53	71	60	71	70	76
4	>90	84	>87	74	82	74	85	75	>87	74	80	79
5	>90	85	>87	>87	>87	>87	84	>87	82	>87	81	>87
6	88	>87	84	>87	82	80	85	>87	>87	>87	>87	>87
7	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	86
8	>90	>87	>87	86	85	>87	>87	>87	>87	84	>87	>87
9	89	>87	83	>87	>87	86	>87	86	84	>87	>87	86
10	>90	>87	>87	86	>87	79	>87	>87	83	>87	>87	86
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1450 MHz; 5.00 dBm.
 LO IN: 1650 MHz; +23.00 dBm
 IF OUT: 200 MHz; -3.44 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	28	33	33	46	40	51	44	61	68
1	-	29	+0	30	18	42	39	56	43	62	60	77
2	45	37	56	39	44	28	49	34	65	47	61	62
3	88	52	44	53	34	47	33	53	44	58	69	65
4	>90	58	61	62	65	56	62	51	69	48	75	56
5	>90	70	68	67	56	67	59	72	52	70	55	68
6	90	73	77	81	81	70	78	87	80	66	77	61
7	87	80	78	79	75	79	65	78	66	83	68	88
8	86	91	83	88	81	80	85	71	84	73	83	70
9	90	96	94	95	90	>96	82	92	80	95	75	85
10	>90	93	>96	>96	87	91	87	82	85	80	82	79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1450 MHz; 15.00 dBm.
 LO IN: 1650 MHz; +23.00 dBm
 IF OUT: 200 MHz; 6.35 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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